SEVERN TRENT SERVICES

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ANALYTICAL REPORT

PBOW

Lot #: H1H020118

Maureen McMyler

IT Corporation - Knoxville
312 Directors Drive
Knoxville, TN 37923

SEVERN TRENT LABORATORIES, INC.

Jamie A. McKinney

Jamie A. McKinney
Project Manager

August 23, 2001

200-1e

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SAMPLE SUMMARY

H1H020118

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EHCMT	001	BB3003	08/01/01	15:3
EHDWG	002	BC3013	08/01/01	16:2
EHDWL	003	BA3021	08/01/01	17:1
EHDWM	004	TRIP BLANK	08/01/01	18:0

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.

ANALYTICAL METHODS SUMMARY

H1H020118

PARAMETER	ANALYTICAL METHOD
Nitroaromatics and Nitramines by HPLC	SW846 8330
Volatile Organics by GC/MS	SW846 8260B

References:

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

PROJECT NARRATIVE
H1H020118

The results reported herein are applicable to the samples submitted for analysis only.

The original chain of custody documentation is included with this report.

Sample Receipt

One of three vials were received with headspace for sample BA3021.

Quality Control

All holding times and QC criteria were met.

Volatiles

The pH of sample BA3021 was greater than 2. The sample was analyzed within the normal 14 day holding time. EPA has indicated that some aromatic compounds in wastewater samples, notably benzene, toluene, and ethyl benzene, may be susceptible to biological degradation if samples are not preserved to a pH of 2.

Explosives

Due to sample matrix interferences, estimated results below the reporting limit were not reported for 1,3-Dinitrobenzene for sample BA3021. The result was qualified with an "I" flag to indicate the presence of matrix interferences.

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STL Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ, California DHS ELAP Cert. #2423, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906 (SDWA, 5/14/01-6/21/02), Hawaii DOH, Indiana DOH Cert. #C-TN-02, Kentucky DEP Lab ID #90101, Louisiana DEQ Agency Interest #83979, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #81001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, 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, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, US Army Corps of Engineers, Naval Facilities Engineering Service Center, US EPA Perchlorate Approval and USDA Soil Permit #S-46424. 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 Receipt Documentation

HIH02018

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE COC NO.: PB08 01STL

PAGE 1 OF 1

Project Name/No: PBOW 825635
Sample Team Member: Hugh Adams
Profit Center: Knoxville
Project Manager: Mike Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 8-1-01
Laboratory Destination: STL
Laboratory Contact: Jamie McKinney
Project Contact/Phone: Maureen McMyler/865-690-3211
Carrier Waybill No.: 822665049332

Bill To: Accounting, IT Corporation, 312 Directors Drive, Knoxville, TN 37923
Report To: Maureen McMyler, IT Corporation, 312 Directors Drive, Knoxville, TN 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BB3003	WATER	8/1/01 15:33	Glass vial	40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B		
BB3003	WATER	8/1/01 15:33	Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330		
BC3013	WATER	8-1-01 16:20	Glass vial	40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B		
BC3013	WATER	8-1-01 16:20	Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330		
BA3021	WATER	8-1-01 17:12	Glass vial	40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B	Rec'd temp	2°C
BA3021	WATER	8-1-01 17:12	Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330	Custody Seals intact	
080101 TRIP BLANK	WATER	8-1-01 18:00	Glass vial	40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B	FedEx # 822665049332	
	WATER		Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330	MFH ~~08-01-01~~ MFH 08-02-01	08-02-01
	WATER		Glass vial	40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B		
	WATER		Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330		
	WATER		Glass vial	40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B		
	WATER		Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330		

Special Instructions: *7 DAY TURN AROUND TIME FOR 8330*

Possible Hazard Identification:
Non-haz: ___ Flammable: ___ Poison B: ___ Unknown: ___

Sample Disposal:
Return to Client: ___ Disposal by Lab: X Archive: ___

Turnaround Time:
Normal: X Rush: X

Level of QC Required:
Definitive Project Specific: ___

1. Relinquished by: IT Corporation	Date: 8-1-01 Time: 18:00	1. Received by: Matthew J. Howard	Date: ~~08-01-01~~ MFH 08-02-01 Time: 08:45
2. Relinquished by:	Date: Time:	2. Received by:	Date: Time:
3. Relinquished by:	Date: Time:	2. Received by:	Date: Time:

Comments:

STL KNOXVILLE

SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT. Corp. PROJECT: PBOW 825635 Lot No.: H1H020118

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?	✓		
(NOTE: North Carolina, 1668, 1613B have 0-4°C requirement)			
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 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: Matthew J. Howard DATE: 08-02-01

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 43241			
b. Informed Login associates of special instructions ?			

2. If custody seals were missing/not intact, was client notified? ___ ___ ___

PROJECT MANAGER : _____ DATE: _____

Client Sample ID	Analysis Requested	Condition (See legend)	Comments/Action
BA3021	8260	3E	1 of 3 40mL has headspace

☒ Client informed on 8/3/01 by Confirpt. Person contacted: M McMyles.

☐ Noted actions in comments section above.

☒ No action necessary; process as is.

Project Manager: [illegible] Date: 8/3/01

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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 received with < ½ holding time remaining
	4e Sample preservative: _____
	4f 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): _____

_____

_____

_____

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SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT PROJECT: PBOW Lot No.: H1H020118

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

LOT FOLDER REVIEWED BY: JM DATE: 8/3/01

Volatiles

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H020118 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/02/01
Work Order: EHCMT1AA Date Extracted:08/02/01
Dilution factor: 1 Date Analyzed: 08/02/01

QC Batch: 1214436

Client Sample Id: BB3003

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	5.0	U
67-64-1	**Acetone**	**10**	**J**
75-15-0	Carbon disulfide	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
67-66-3	Chloroform	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
75-27-4	Bromodichloromethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
79-01-6	Trichloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
71-43-2	Benzene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-25-2	Bromoform	5.0	U
108-10-1	4-Methyl-2-pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H020118 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/02/01
Work Order: EHCMT1AA Date Extracted:08/02/01
Dilution factor: 1 Date Analyzed: 08/02/01

QC Batch: 1214436

Client Sample Id: BB3003

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-88-3	Toluene	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
1330-20-7	Xylenes (total)	5.0	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H020118 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/02/01
Work Order: EHDWG1AA Date Extracted:08/02/01
Dilution factor: 1 Date Analyzed: 08/02/01

QC Batch: 1214436

Client Sample Id: BC3013

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	5.0	U
67-64-1	**Acetone**	**8.8**	**J**
75-15-0	Carbon disulfide	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
67-66-3	Chloroform	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
75-27-4	Bromodichloromethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
79-01-6	Trichloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
71-43-2	Benzene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-25-2	Bromoform	5.0	U
108-10-1	4-Methyl-2-pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

IT CORPORATION - KNOXVILLE

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: H1H020118 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/02/01
Work Order: EHDWG1AA Date Extracted: 08/02/01
Dilution factor: 1 Date Analyzed: 08/02/01

QC Batch: 1214436

Client Sample Id: BC3013

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-88-3	Toluene	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
1330-20-7	Xylenes (total)	5.0	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H020118 003
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/02/01
Work Order: EHDWL1AA Date Extracted:08/02/01
Dilution factor: 1 Date Analyzed: 08/02/01

QC Batch: 1214436

Client Sample Id: BA3021

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	5.0	U
67-64-1	**Acetone**	**8.8**	**J**
75-15-0	Carbon disulfide	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
67-66-3	**Chloroform**	**1.0**	**J**
107-06-2	1,2-Dichloroethane	5.0	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
75-27-4	Bromodichloromethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
79-01-6	Trichloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
71-43-2	Benzene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-25-2	Bromoform	5.0	U
108-10-1	4-Methyl-2-pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H020118 003
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/02/01
Work Order: EHDWL1AA Date Extracted:08/02/01
Dilution factor: 1 Date Analyzed: 08/02/01

QC Batch: 1214436

Client Sample Id: BA3021

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-88-3	Toluene	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
1330-20-7	Xylenes (total)	5.0	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H020118 004
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/02/01
Work Order: EHDWM1AA Date Extracted:08/02/01
Dilution factor: 1 Date Analyzed: 08/02/01

QC Batch: 1214436

Client Sample Id: TRIP BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	5.0	U
67-64-1	Acetone	20	U
75-15-0	Carbon disulfide	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
67-66-3	**Chloroform**	**1.3**	**J**
107-06-2	1,2-Dichloroethane	5.0	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
75-27-4	Bromodichloromethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
79-01-6	Trichloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
71-43-2	Benzene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-25-2	Bromoform	5.0	U
108-10-1	4-Methyl-2-pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

IT CORPORATION - KNOXVILLE

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: H1H020118 004
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/02/01
Work Order: EHDWM1AA Date Extracted: 08/02/01
Dilution factor: 1 Date Analyzed: 08/02/01

QC Batch: 1214436

Client Sample Id: TRIP BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-88-3	Toluene	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
1330-20-7	Xylenes (total)	5.0	U

IT CORPORATION - KNOXVILLE
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: H1H020000 436
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/02/01
Work Order: EHD651AA Date Extracted: 08/02/01
Dilution factor: 1 Date Analyzed: 08/02/01

QC Batch: 1214436

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	5.0	U
67-64-1	Acetone	20	U
75-15-0	Carbon disulfide	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
67-66-3	Chloroform	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
75-27-4	Bromodichloromethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
79-01-6	Trichloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
71-43-2	Benzene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-25-2	Bromoform	5.0	U
108-10-1	4-Methyl-2-pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

IT CORPORATION - KNOXVILLE
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H020000 436
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/02/01
Work Order: EHD651AA Date Extracted:08/02/01
Dilution factor: 1 Date Analyzed: 08/02/01

QC Batch: 1214436

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-88-3	Toluene	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
1330-20-7	Xylenes (total)	5.0	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H020118 001
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL
Work Order: EHCMT1AC
Dilution factor: 1
Moisture %:NA

Date Received: 08/02/01
Date Extracted:08/06/01
Date Analyzed: 08/14/01

QC Batch: 1218176

Client Sample Id: BB3003

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.50	U
121-82-4	RDX	0.50	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
98-95-3	Nitrobenzene	0.20	U
118-96-7	**2,4,6-Trinitrotoluene**	**0.14**	**J**
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

IT CORPORATION - KNOXVILLE

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: H1H020118 002
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL
Work Order: EHDWG1AC
Dilution factor: 1
Moisture %: NA

Date Received: 08/02/01
Date Extracted: 08/06/01
Date Analyzed: 08/14/01

QC Batch: 1218176

Client Sample Id: BC3013

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.50	U
121-82-4	RDX	0.50	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
98-95-3	Nitrobenzene	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H020118 003
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL
Work Order: EHDWL1AC
Dilution factor: 3
Moisture %:NA

Date Received: 08/02/01
Date Extracted:08/06/01
Date Analyzed: 08/14/01

QC Batch: 1218176

Client Sample Id: BA3021

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	1.5	U
121-82-4	RDX	1.5	U
99-35-4	1,3,5-Trinitrobenzene	0.60	U
99-65-0	1,3-Dinitrobenzene	0.60	I U
479-45-8	Tetryl	0.60	U
98-95-3	Nitrobenzene	0.60	U
118-96-7	2,4,6-Trinitrotoluene	4.1	
19406-51-0	4-Amino-2,6-dinitrotoluene	3.9	
35572-78-2	2-Amino-4,6-dinitrotoluene	4.3	
606-20-2	2,6-Dinitrotoluene	4.9	
121-14-2	2,4-Dinitrotoluene	9.5	
88-72-2	2-Nitrotoluene	24	
99-99-0	4-Nitrotoluene	3.1	
99-08-1	3-Nitrotoluene	1.3	

IT CORPORATION - KNOXVILLE
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H060000 176
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL
Work Order: EHHVW1AA
Dilution factor: 1
Moisture %:NA

Date Received: 08/01/01
Date Extracted:08/06/01
Date Analyzed: 08/14/01

QC Batch: 1218176

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.50	U
121-82-4	RDX	0.50	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
98-95-3	Nitrobenzene	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

IT CORPORATION - KNOXVILLE
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H060000 176
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL
Work Order: EHHVW1AC
Dilution factor: 1
Moisture %:NA

Date Received: 08/01/01
Date Extracted:08/06/01
Date Analyzed: 08/14/01

QC Batch: 1218176

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	2.70	
121-82-4	RDX	2.60	
99-35-4	1,3,5-Trinitrobenzene	2.63	
99-65-0	1,3-Dinitrobenzene	2.52	
479-45-8	Tetryl	2.48	
98-95-3	Nitrobenzene	2.23	
118-96-7	2,4,6-Trinitrotoluene	2.58	
19406-51-0	4-Amino-2,6-dinitrotoluene	2.58	
35572-78-2	2-Amino-4,6-dinitrotoluene	2.47	
606-20-2	2,6-Dinitrotoluene	2.46	
121-14-2	2,4-Dinitrotoluene	2.57	
88-72-2	2-Nitrotoluene	2.01	
99-99-0	4-Nitrotoluene	2.15	
99-08-1	3-Nitrotoluene	2.14	

IT CORPORATION - KNOXVILLE
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H060000 176
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL
Work Order: EHHVW1AD
Dilution factor: 1
Moisture %:NA

Date Received: 08/01/01
Date Extracted:08/06/01
Date Analyzed: 08/14/01

QC Batch: 1218176

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	2.93	
121-82-4	RDX	2.80	
99-35-4	1,3,5-Trinitrobenzene	2.81	
99-65-0	1,3-Dinitrobenzene	2.68	
479-45-8	Tetryl	2.64	
98-95-3	Nitrobenzene	2.36	
118-96-7	2,4,6-Trinitrotoluene	2.75	
19406-51-0	4-Amino-2,6-dinitrotoluene	2.65	
35572-78-2	2-Amino-4,6-dinitrotoluene	2.53	
606-20-2	2,6-Dinitrotoluene	2.55	
121-14-2	2,4-Dinitrotoluene	2.71	
88-72-2	2-Nitrotoluene	2.11	
99-99-0	4-Nitrotoluene	2.31	
99-08-1	3-Nitrotoluene	2.22	

SW846 8330 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: IT CORPORATION - KNOXVILLE

Lab Code: STLKNX SDG No:

Lot #: H1H060000 WO #: EHHVW1AC
BATCH: 1218176

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
HMX	3.00	2.70	90	68 - 122	
RDX	3.00	2.60	87	71 - 127	
1,3,5-Trinitrobenzene	3.00	2.63	88	70 - 124	
1,3-Dinitrobenzene	3.00	2.52	84	72 - 124	
Tetryl	3.00	2.48	83	68 - 123	
Nitrobenzene	3.00	2.23	74	60 - 122	
2,4,6-Trinitrotoluene	3.00	2.58	86	71 - 123	
4-Amino-2,6-dinitrotoluen	3.00	2.58	86	66 - 122	
2-Amino-4,6-dinitrotoluen	3.00	2.47	82	65 - 124	
2,6-Dinitrotoluene	3.00	2.46	82	66 - 129	
2,4-Dinitrotoluene	3.00	2.57	86	70 - 125	
2-Nitrotoluene	3.00	2.01	67	54 - 121	
4-Nitrotoluene	3.00	2.15	72	59 - 123	
3-Nitrotoluene	3.00	2.14	71	58 - 124	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 14 outside limits

COMMENTS:

SW846 8330 CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: IT CORPORATION - KNOXVILLE

Lab Code: STLKNX SDG No:

Lot #: H1H060000 WO #: EHHVW1AD
BATCH: 1218176

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
HMX	3.00	2.93	98	68 - 122	
RDX	3.00	2.80	93	71 - 127	
1,3,5-Trinitrobenzene	3.00	2.81	94	70 - 124	
1,3-Dinitrobenzene	3.00	2.68	89	72 - 124	
Tetryl	3.00	2.64	88	68 - 123	
Nitrobenzene	3.00	2.36	78	60 - 122	
2,4,6-Trinitrotoluene	3.00	2.75	92	71 - 123	
4-Amino-2,6-dinitrotoluen	3.00	2.65	88	66 - 122	
2-Amino-4,6-dinitrotoluen	3.00	2.53	84	65 - 124	
2,6-Dinitrotoluene	3.00	2.55	85	66 - 129	
2,4-Dinitrotoluene	3.00	2.71	90	70 - 125	
2-Nitrotoluene	3.00	2.11	70	54 - 121	
4-Nitrotoluene	3.00	2.31	77	59 - 123	
3-Nitrotoluene	3.00	2.22	74	58 - 124	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 14 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

EHHVW1AA

SW846 8330 METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLKNX

SDG Number:

Lab File ID: H13S0089

Lot Number: H1H020118

Date Analyzed: 08/14/01

Time Analyzed: 08:53

Matrix: WATER

Date Extracted:08/06/01

GC Column: C18 ID: 4.60

Extraction Method: 3535

Instrument ID: HS

Level:(low/med)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BB3003	EHCMT1AC	H13S0082	08/14/01	07:25
02	BC3013	EHDWG1AC	H13S0083	08/14/01	07:37
03	BA3021	EHDWL1AC	H13S0084	08/14/01	07:50
04	CHECK SAMPLE	EHHVW1AC C	H13S0090	08/14/01	09:06
05	DUPLICATE CHECK	EHHVW1AD L	H13S0091	08/14/01	09:18
06					
07					
08					
09					
10					
11					
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27					
28					
29					
30					

COMMENTS:

FORM IV

STL Knoxville HPLC Initial Calibration Data Review / Narrative Checklist
Method: 8330 - KNOX-LC-0001 Rev 5
Page 1 of 1

Analysis Date:	8-11-01	Instrument/File ID:	H11S / H11T	Scanned ☐

Review Items A. Initial Calibration	Yes	No	NA	2nd ✓	If No, why is data reportable?
1. Were at least *5-levels* of each analyte and surrogate analyzed?	✓			✓	
2. Were *all standards used* in the curve?	✓			✓	
3. Is low level standard concentration ≤ *RL*?	✓			✓	
4. Are *%RSD* ≤20% or *correlation* coefficients ≥0.995? (No 2nd or 3rd order curves allowed.)	✓			✓	
5. Was a *2nd source* verification standard analyzed & were calculated concentrations < *30%D* from cal. std?	✓			✓	
6. Was each run checked for *saturation*?	✓			✓	
7. Is *integration* acceptable?	✓			✓	
8. If *manual integrations* were performed, are they clearly identified, initialed, dated and reason given?	✓			✓	
9. Was ICAL method file processed using the *correct data files*? (Analyst should compare area or peak height on chromatograms to calibration summary for all analytes. 2nd level reviewer should check 20% of analytes.)	✓			✓	

Analyst:	Date: 8/12/01	2nd Level Reviewer: MDP	Date: 8/12/01
Comments:		Comments:	

SEVERN
TRENT
SERVICES

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921-5947

Tel: 865-291-3000
Fax: 865-584-4315
www.stl-inc.com

ANALYTICAL REPORT

PBOW

Lot #: H1H030124

Maureen McMyler

IT Corporation - Knoxville
312 Directors Drive
Knoxville, TN 37923

SEVERN TRENT LABORATORIES, INC.

Jamie A. McKinney
Project Manager

August 23, 2001

H1H030124 Analytical Report 1
Sample Receipt Documentation 5
Volatiles 9
Explosives 28
Total Number of Pages 109

Sample Receipt Documentation

SAMPLE SUMMARY

H1H030124

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EHFEA	001	BA3014	08/02/01	10:25
EHFEV	002	TB080201	08/02/01	12:00

NOTE(S):

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

ANALYTICAL METHODS SUMMARY

H1H030124

PARAMETER	ANALYTICAL METHOD
Nitroaromatics and Nitramines by HPLC	SW846 8330
Volatile Organics by GC/MS	SW846 8260B

References:

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

PROJECT NARRATIVE
H1H030124

The results reported herein are applicable to the samples submitted for analysis only.

The original chain of custody documentation is included with this report.

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control

All holding times and QC criteria were met.

Explosives

Sample BA3014 was reported with an elevated reporting limit for 2 –Nitrotoluene due to the diificult sample matrix.

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STL Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ, California DHS ELAP Cert. #2423, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906 (SDWA, 5/14/01-6/21/02), Hawaii DOH, Indiana DOH Cert. #C-TN-02, Kentucky DEP Lab ID #90101, Louisiana DEQ Agency Interest #83979, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #81001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, 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, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, US Army Corps of Engineers, Naval Facilities Engineering Service Center, US EPA Perchlorate Approval and USDA Soil Permit #S-46424. 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.

HIH030124

PB080201STL

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE COC NO.: ~~PB08 019TL~~

PAGE 1 OF 1

Bill To: Accounting, IT Corporation, 312 Directors Drive, Knoxville, TN 37923

Report To: Maureen McMyler, IT Corporation, 312 Directors Drive, Knoxville, TN 37923

Project Name/No: PBOW 825635
Sample Team Member: Hugh Adams
Profit Center: Knoxville
Project Manager: Mike Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 8-2-01
Laboratory Destination: STL
Laboratory Contact: Jamie McKinney x 3051
Project Contact/Phone: Maureen McMyler/865-690-3211
Carrier Waybill No.: 822665049300

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BA3014	WATER	8-2-01 10:25	Glass vial	3 ea 40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B		
BA3014	WATER	8-2-01 10:25	Amber	1 ea 1 L	N/A	Nitroaromatics Screen SW-846 8330		
TB080201	WATER	8-2-01 12:00	Glass vial	2 ea 40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B		
	WATER		Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330		
	WATER		Glass vial	40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B	Rec'd temp.	2°c
	WATER		Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330	Custody Seals	intact
	WATER		Glass vial	40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B	Fedex #822	665049300
	WATER		Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330	MPH-08-03-	01
	WATER		Glass vial	40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B		
	WATER		Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330		
	WATER		Glass vial	40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B		
	WATER		Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330		

Special Instructions: *7 DAY TURN AROUND TIME FOR 8330*

Possible Hazard Identification:
Non-haz: ___ Flammable: ___ Poison B: ___ Unknown: ___

Sample Disposal:
Return to Client: ___ Disposal by Lab: X Archive: ___

Turnaround Time:
Normal: X Rush: X

Level of QC Required:
Definitive Project Specific: ___

1. Relinquished by: IT Corporation	Date: 8-2-01 Time: 17:00	1. Received by: Matthew T. Howard	Date: 08-03-01 Time: 08:45
2. Relinquished by:	Date: Time:	2. Received by:	Date: Time:
3. Relinquished by:	Date: Time:	2. Received by:	Date: Time:

Comments: TEMPERATURE BLANK INCLUDED IN COOLER

STL KNOXVILLE

SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT. Corp. PROJECT: PBOW825635 Lot No.: H1H030124

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?	✓		
(NOTE: North Carolina, 1668, 1613B have 0-4°C requirement)			
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 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: 08-03-01

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 43241			
b. Informed Login associates of special instructions ?	✓		
PAOT B			
2. If custody seals were missing/not intact, was client notified?			✓

PROJECT MANAGER : [signature] DATE: 8/6/01

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: _____

STL KNOXVILLE

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT PROJECT: PBOW Lot No.: HH030124

TO BE COMPETED BY PROJECT MANAGER:

1. Client Documents (Request for Analysis/Chain of Custody):	YES	NO	NA
a. Was QuanTIMS lot number documented on all paperwork?	X		
b. Was RFA/COC signed upon receipt, including date/time?	X		
c. Is preservative check (pH) noted on RFA/COC?			X
d. Is cooler temperature & custody seal condition noted on COC?	X		

2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	X		
b. Were tests/parameters assigned correctly?	X		
c. Were correct analytical and report due dates assigned?	X		
d. Has the correct fax due date been assigned to the lot?			X
e. Is the correct report format noted in the lot summary?	X		
f. Is percent moisture logged for samples requiring this analysis?			X
g. Are client assigned QC samples properly defined?			X

3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?			X
b If the purchase order number is given, is it noted in Lot header?			X
c. If samples were subcontracted, was copy of COC in folder?			X

4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?			X
b Is SDG number noted in Lot header & sample comments?			X
c. If SDG is complete, has the due date been revised & marked closed?			X

5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	X		
b. Was there a CUR?			X
c. Were all issues resolved?			X

LOT FOLDER REVIEWED BY: jm DATE: 8/6/0

Volatiles

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H030124 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/03/01
Work Order: EHFEA1AA Date Extracted:08/07/01
Dilution factor: 1 Date Analyzed: 08/07/01

QC Batch: 1218375

Client Sample Id: BA3014

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	5.0	U
67-64-1	Acetone	20	U
75-15-0	Carbon disulfide	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
67-66-3	Chloroform	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
75-27-4	Bromodichloromethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
79-01-6	Trichloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
71-43-2	Benzene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-25-2	Bromoform	5.0	U
108-10-1	4-Methyl-2-pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H030124 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/03/01
Work Order: EHFEA1AA Date Extracted:08/07/01
Dilution factor: 1 Date Analyzed: 08/07/01

QC Batch: 1218375

Client Sample Id: BA3014

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-88-3	Toluene	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
1330-20-7	Xylenes (total)	5.0	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H030124 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/03/01
Work Order: EHFEV1AA Date Extracted:08/07/01
Dilution factor: 1 Date Analyzed: 08/07/01

QC Batch: 1218375

Client Sample Id: TB080201

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	**Methylene chloride**	**1.2**	**J B**
67-64-1	Acetone	20	U
75-15-0	Carbon disulfide	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
67-66-3	Chloroform	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
75-27-4	Bromodichloromethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
79-01-6	Trichloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
71-43-2	Benzene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-25-2	Bromoform	5.0	U
108-10-1	4-Methyl-2-pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H030124 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/03/01
Work Order: EHFEV1AA Date Extracted:08/07/01
Dilution factor: 1 Date Analyzed: 08/07/01

QC Batch: 1218375

Client Sample Id: TB080201

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-88-3	Toluene	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
1330-20-7	Xylenes (total)	5.0	U

IT CORPORATION - KNOXVILLE
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H060000 375
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/03/01
Work Order: EHJGQ1AA Date Extracted:08/07/01
Dilution factor: 1 Date Analyzed: 08/07/01

QC Batch: 1218375

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	3.1	J
67-64-1	Acetone	20	U
75-15-0	Carbon disulfide	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
67-66-3	Chloroform	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
75-27-4	Bromodichloromethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
79-01-6	Trichloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
71-43-2	Benzene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-25-2	Bromoform	5.0	U
108-10-1	4-Methyl-2-pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

IT CORPORATION - KNOXVILLE
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H060000 375
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/03/01
Work Order: EHJGQ1AA Date Extracted:08/07/01
Dilution factor: 1 Date Analyzed: 08/07/01

QC Batch: 1218375

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-88-3	Toluene	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
1330-20-7	Xylenes (total)	5.0	U

IT CORPORATION - KNOXVILLE
METHOD BLANK COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: H1H060000 176
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL Date Received: 08/01/01
Work Order: EHHVW1AA Date Extracted: 08/06/01
Dilution factor: 1 Date Analyzed: 08/14/01
Moisture %: NA

QC Batch: 1218176

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.50	U
121-82-4	RDX	0.50	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
98-95-3	Nitrobenzene	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.68	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

IT CORPORATION - KNOXVILLE
CHECK SAMPLE COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: H1H060000 176
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL Date Received: 08/01/01
Work Order: EHHVW1AC Date Extracted: 08/06/01
Dilution factor: 1 Date Analyzed: 08/14/01
Moisture %: NA

QC Batch: 1218176

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	2.70	
121-82-4	RDX	2.60	
99-35-4	1,3,5-Trinitrobenzene	2.63	
99-65-0	1,3-Dinitrobenzene	2.52	
479-45-8	Tetryl	2.48	
98-95-3	Nitrobenzene	2.23	
118-96-7	2,4,6-Trinitrotoluene	2.58	
19406-51-0	4-Amino-2,6-dinitrotoluene	2.58	
35572-78-2	2-Amino-4,6-dinitrotoluene	2.47	
606-20-2	2,6-Dinitrotoluene	2.46	
121-14-2	2,4-Dinitrotoluene	2.57	
88-72-2	2-Nitrotoluene	2.01	
99-99-0	4-Nitrotoluene	2.15	
99-08-1	3-Nitrotoluene	2.14	

IT CORPORATION - KNOXVILLE
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H060000 176
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL Date Received: 08/01/01
Work Order: EHHVW1AD Date Extracted:08/06/01
Dilution factor: 1 Date Analyzed: 08/14/01
Moisture %:NA

QC Batch: 1218176

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	2.93	
121-82-4	RDX	2.80	
99-35-4	1,3,5-Trinitrobenzene	2.81	
99-65-0	1,3-Dinitrobenzene	2.68	
479-45-8	Tetryl	2.64	
98-95-3	Nitrobenzene	2.36	
118-96-7	2,4,6-Trinitrotoluene	2.75	
19406-51-0	4-Amino-2,6-dinitrotoluene	2.65	
35572-78-2	2-Amino-4,6-dinitrotoluene	2.53	
606-20-2	2,6-Dinitrotoluene	2.55	
121-14-2	2,4-Dinitrotoluene	2.71	
88-72-2	2-Nitrotoluene	2.11	
99-99-0	4-Nitrotoluene	2.31	
99-08-1	3-Nitrotoluene	2.22	

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H030124 001
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL Date Received: 08/03/01
Work Order: EHFEA1AC Date Extracted:08/06/01
Dilution factor: 1 Date Analyzed: 08/14/01
Moisture %:NA

QC Batch: 1218176

Client Sample Id: BA3014

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.50	U
121-82-4	RDX	0.50	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
98-95-3	Nitrobenzene	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.68	G U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

SEVERN
TRENT
SERVICES

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ANALYTICAL REPORT

PBOW

Lot #: H1H070218

Maureen McMyler

IT Corporation - Knoxville
312 Directors Drive
Knoxville, TN 37923

SEVERN TRENT LABORATORIES, INC.

Jamie A. McKinney
Project Manager

September 12, 2001

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Sample Receipt Documentation 5
Explosives 9
Total Number of Pages 117

SAMPLE SUMMARY

H1H070218

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EHK2L	001	BC3019	08/06/01	12:10
EHK2N	002	BB3002	08/06/01	11:45

NOTE(S):

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

ANALYTICAL METHODS SUMMARY

H1H070218

PARAMETER	ANALYTICAL METHOD
Nitroaromatics and Nitramines by HPLC	SW846 8330

References:

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

PROJECT NARRATIVE
H1H070218

The results reported herein are applicable to the samples submitted for analysis only.

The original chain of custody documentation is included with this report.

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control

Unless otherwise noted, all holding times and QC criteria were met. The test results shown in this report meet all applicable NELAC requirements. Any exceptions are noted below.

The surrogate recovery for laboratory control sample EHN1P1AC was below QC limits. The samples were re-extracted 17 days outside holding time. All surrogates and associated QC samples were within QC limits in the re-extraction. Since the re-extraction was outside holding time, both sets of data were reported.

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

STL Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ, California DHS ELAP Cert. #2423, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906 (SDWA, 5/14/01-6/21/02), Hawaii DOH, Indiana DOH Cert. #C-TN-02, Kentucky DEP Lab ID #90101, Louisiana DEQ Agency Interest #83979, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #81001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, 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, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, US Army Corps of Engineers, Naval Facilities Engineering Service Center, US EPA Perchlorate Approval and USDA Soil Permit #S-46424. 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 Receipt Documentation

H1H070218

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE COC NO.: PB08 - 01STL 06

PAGE 1 OF 1

Project Name/No: PBOW 825635
Sample Team Member: Hugh Adams
Profit Center: Knoxville
Project Manager: Mike Spangberg
Purchase Order No.:
Required Report Date: 7 Days

Sample Shipment Date: 8/6/01
Laboratory Destination: STL
Laboratory Contact: Jamie McKinney
Project Contact/Phone: Maureen McMyler/865-690-3211
Carrier Waybill No.: 822665049310

Bill To: Accounting, IT Corporation, 312 Directors Drive, Knoxville, TN 37923
Report To: Maureen McMyler, IT Corporation, 312 Directors Drive, Knoxville, TN 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BC3019	WATER	8/6/01 1210	Glass vial	3@ 40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B		
BC3019	WATER	8/6/01 1210	Amber	1@ 1 L	N/A	Nitroaromatics Screen SW-846 8330		
BB3002	WATER	8/6/01 1145	Glass vial	3@ 40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B		
BB3002	WATER	8/6/01 1145	Amber	1@ 1 L	N/A	Nitroaromatics Screen SW-846 8330		
TB080601	WATER	8/6/01	Glass vial	2@ 40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B	Rec'd temp. 3°C	
	WATER		Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330	Custody Seals intact	
	WATER		Glass vial	40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B	fedex# 822665049310	
	WATER		Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330	MFH. 08-07-01	
	WATER		Glass vial	40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B		
	WATER		Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330		
	WATER		Glass vial	40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B		
	WATER		Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330		

Special Instructions: * 7 DAY TURN AROUND TIME FOR 8330

Possible Hazard Identification: Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: X

Sample Disposal: Return to Client: ____ Disposal by Lab: X Archive: ____

Turnaround Time: Normal: X Rush: X 7days

Level of QC Required: Definitive Project Specific: ____

1. Relinquished by: David Kessler IT Corporation Date: 8/6/01 Time: 1700
1. Received by: Matthew J. Howard Date: 08-07-01 Time: 08:45
2. Relinquished by: Date: Time:
2. Received by: Date: Time:
3. Relinquished by: Date: Time:
2. Received by: Date: Time:

Comments:

STL KNOXVILLE
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST
Page 1 of 2

CLIENT: IT Corp. PROJECT: PBOW 825635 Lot No.: H1H070218

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?	✓		
(NOTE: North Carolina, 1668, 1613B have 0-4°C requirement)			
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 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: Matthew F Howard DATE: 08-07-01

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 43241			
b. Informed Login associates of special instructions ?			X

2. If custody seals were missing/not intact, was client notified? — — X

PROJECT MANAGER : jm DATE: 8/8/01

Client Sample ID	Analysis Requested	Conditions (See legend)	Comments/Actions

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

STL KNOXVILLE

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT PROJECT: PBOW Lot No.: H1H070218

TO BE COMPETED BY PROJECT MANAGER:

1. Client Documents (Request for Analysis/Chain of Custody):	YES	NO	NA
a. Was QuanTIMS lot number documented on all paperwork?	X		
b. Was RFA/COC signed upon receipt, including date/time?	X		
c. Is preservative check (pH) noted on RFA/COC?			X
d. Is cooler temperature & custody seal condition noted on COC?	X		

2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	X		
b. Were tests/parameters assigned correctly?	X		
c. Were correct analytical and report due dates assigned?	X		
d. Has the correct fax due date been assigned to the lot?		X	changed per chat
e. Is the correct report format noted in the lot summary?	X		
f. Is percent moisture logged for samples requiring this analysis?			X
g. Are client assigned QC samples properly defined?			X

3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?			X
b If the purchase order number is given, is it noted in Lot header?			X
c. If samples were subcontracted, was copy of COC in folder?			X

4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?			X
b Is SDG number noted in Lot header & sample comments?			X
c. If SDG is complete, has the due date been revised & marked closed?			X

5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	X		
b. Was there a CUR?			X
c. Were all issues resolved?			X

LOT FOLDER REVIEWED BY: pm DATE: 8/8/0

Explosives

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H070218 001
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL
Work Order: EHK2L1AA
Dilution factor: 1
Moisture %:NA

Date Received: 08/07/01
Date Extracted:08/09/01
Date Analyzed: 08/23/01

QC Batch: 1221149

Client Sample Id: BC3019

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.50	U
121-82-4	RDX	0.50	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
98-95-3	Nitrobenzene	0.20	U
118-96-7	**2,4,6-Trinitrotoluene**	**4.0**	
19406-51-0	4-Amino-2,6-dinitrotoluene	1.5	G U
35572-78-2	2-Amino-4,6-dinitrotoluene	1.1	G U
606-20-2	2,6-Dinitrotoluene	0.68	G U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H070218 001
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 380 / mL
Work Order: EHK2L2AA
Dilution factor: 1
Moisture %:NA

Date Received: 08/07/01
Date Extracted:08/30/01
Date Analyzed: 09/04/01

QC Batch: 1242120

Client Sample Id: BC3019 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.66	U
121-82-4	RDX	0.66	U
99-35-4	1,3,5-Trinitrobenzene	0.26	U
99-65-0	1,3-Dinitrobenzene	0.26	U
479-45-8	Tetryl	0.26	U
98-95-3	Nitrobenzene	0.26	I U
118-96-7	**2,4,6-Trinitrotoluene**	**0.14**	**J**
19406-51-0	4-Amino-2,6-dinitrotoluene	0.63	G U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.26	U
606-20-2	2,6-Dinitrotoluene	0.26	U
121-14-2	2,4-Dinitrotoluene	0.26	U
88-72-2	2-Nitrotoluene	0.26	U
99-99-0	4-Nitrotoluene	0.26	U
99-08-1	3-Nitrotoluene	0.26	U

IT CORPORATION - KNOXVILLE

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID: H1H070218 002
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL
Work Order: EHK2N1AA
Dilution factor: 1
Moisture %: NA

Date Received: 08/07/01
Date Extracted: 08/09/01
Date Analyzed: 08/23/01

QC Batch: 1221149

Client Sample Id: BB3002

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.50	U
121-82-4	RDX	0.50	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
98-95-3	Nitrobenzene	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H070218 002
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 370 / mL Date Received: 08/07/01
Work Order: EHK2N2AA Date Extracted:08/30/01
Dilution factor: 1 Date Analyzed: 09/04/01
Moisture %:NA

QC Batch: 1242120

Client Sample Id: BB3002 -RE 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.68	U
121-82-4	RDX	0.68	U
99-35-4	1,3,5-Trinitrobenzene	0.27	U
99-65-0	1,3-Dinitrobenzene	0.27	U
479-45-8	Tetryl	0.27	U
98-95-3	Nitrobenzene	0.27	U
118-96-7	2,4,6-Trinitrotoluene	0.27	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.27	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.27	U
606-20-2	2,6-Dinitrotoluene	0.27	U
121-14-2	2,4-Dinitrotoluene	0.27	U
88-72-2	2-Nitrotoluene	0.27	U
99-99-0	4-Nitrotoluene	0.27	U
99-08-1	3-Nitrotoluene	0.27	U

IT CORPORATION - KNOXVILLE
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H090000 149
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL
Work Order: EHN1P1AA
Dilution factor: 1
Moisture %:NA

Date Received: 08/07/01
Date Extracted:08/09/01
Date Analyzed: 08/23/01

QC Batch: 1221149

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.50	U
121-82-4	RDX	0.50	U
99-35-4	1,3,5-Trinitrobenzene	0.20	U
99-65-0	1,3-Dinitrobenzene	0.20	U
479-45-8	Tetryl	0.20	U
98-95-3	Nitrobenzene	0.20	U
118-96-7	2,4,6-Trinitrotoluene	0.20	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.20	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.20	U
606-20-2	2,6-Dinitrotoluene	0.20	U
121-14-2	2,4-Dinitrotoluene	0.20	U
88-72-2	2-Nitrotoluene	0.20	U
99-99-0	4-Nitrotoluene	0.20	U
99-08-1	3-Nitrotoluene	0.20	U

IT CORPORATION - KNOXVILLE
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H090000 149
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL
Work Order: EHN1P1AC
Dilution factor: 1
Moisture %:NA

Date Received: 08/07/01
Date Extracted:08/09/01
Date Analyzed: 08/23/01

QC Batch: 1221149

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	2.59	
121-82-4	RDX	2.60	
99-35-4	1,3,5-Trinitrobenzene	2.60	
99-65-0	1,3-Dinitrobenzene	2.49	
479-45-8	Tetryl	2.59	
98-95-3	Nitrobenzene	2.20	
118-96-7	2,4,6-Trinitrotoluene	2.44	
19406-51-0	4-Amino-2,6-dinitrotoluene	2.19	
35572-78-2	2-Amino-4,6-dinitrotoluene	2.15	
606-20-2	2,6-Dinitrotoluene	2.33	
121-14-2	2,4-Dinitrotoluene	2.37	
88-72-2	2-Nitrotoluene	2.03	
99-99-0	4-Nitrotoluene	2.07	
99-08-1	3-Nitrotoluene	2.02	

IT CORPORATION - KNOXVILLE
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H090000 149
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL Date Received: 08/07/01
Work Order: EHN1P1AD Date Extracted:08/09/01
Dilution factor: 1 Date Analyzed: 08/23/01
Moisture %:NA

QC Batch: 1221149

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	2.38	
121-82-4	RDX	2.40	
99-35-4	1,3,5-Trinitrobenzene	2.38	
99-65-0	1,3-Dinitrobenzene	2.31	
479-45-8	Tetryl	2.44	
98-95-3	Nitrobenzene	2.00	
118-96-7	2,4,6-Trinitrotoluene	2.29	
19406-51-0	4-Amino-2,6-dinitrotoluene	2.13	
35572-78-2	2-Amino-4,6-dinitrotoluene	2.06	
606-20-2	2,6-Dinitrotoluene	2.21	
121-14-2	2,4-Dinitrotoluene	2.22	
88-72-2	2-Nitrotoluene	1.74	
99-99-0	4-Nitrotoluene	1.84	
99-08-1	3-Nitrotoluene	1.87	

IT CORPORATION - KNOXVILLE
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H300000 120
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL Date Received: 08/07/01
Work Order: EJRMX1AA Date Extracted:08/30/01
Dilution factor: 1 Date Analyzed: 09/04/01
Moisture %:NA

QC Batch: 1242120

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	0.66	U
121-82-4	RDX	0.66	U
99-35-4	1,3,5-Trinitrobenzene	0.26	U
99-65-0	1,3-Dinitrobenzene	0.26	U
479-45-8	Tetryl	0.26	U
98-95-3	Nitrobenzene	0.26	U
118-96-7	2,4,6-Trinitrotoluene	0.26	U
19406-51-0	4-Amino-2,6-dinitrotoluene	0.27	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.26	U
606-20-2	2,6-Dinitrotoluene	0.26	U
121-14-2	2,4-Dinitrotoluene	0.26	U
88-72-2	2-Nitrotoluene	0.26	U
99-99-0	4-Nitrotoluene	0.26	U
99-08-1	3-Nitrotoluene	0.26	U

IT CORPORATION - KNOXVILLE
CHECK SAMPLE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H300000 120
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL
Work Order: EJRMX1AC
Dilution factor: 1
Moisture %:NA

Date Received: 08/07/01
Date Extracted:08/30/01
Date Analyzed: 09/04/01

QC Batch: 1242120

Client Sample Id: CHECK SAMPLE

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	3.08	
121-82-4	RDX	3.18	
99-35-4	1,3,5-Trinitrobenzene	3.22	
99-65-0	1,3-Dinitrobenzene	3.05	
479-45-8	Tetryl	3.20	
98-95-3	Nitrobenzene	2.75	
118-96-7	2,4,6-Trinitrotoluene	3.11	
19406-51-0	4-Amino-2,6-dinitrotoluene	3.00	
35572-78-2	2-Amino-4,6-dinitrotoluene	2.86	
606-20-2	2,6-Dinitrotoluene	2.79	
121-14-2	2,4-Dinitrotoluene	3.06	
88-72-2	2-Nitrotoluene	2.56	
99-99-0	4-Nitrotoluene	2.65	
99-08-1	3-Nitrotoluene	2.60	

IT CORPORATION - KNOXVILLE
CHECK SAMPLE DUPLICATE COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H300000 120
Method: SW846 8330
Nitroaromatics & Nitramines: Explosives (8330)

Sample WT/Vol: 500 / mL Date Received: 08/07/01
Work Order: EJRMX1AD Date Extracted:08/30/01
Dilution factor: 1 Date Analyzed: 09/04/01
Moisture %:NA

QC Batch: 1242120

Client Sample Id: DUPLICATE CHECK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
2691-41-0	HMX	3.07	
121-82-4	RDX	3.20	
99-35-4	1,3,5-Trinitrobenzene	3.19	
99-65-0	1,3-Dinitrobenzene	3.05	
479-45-8	Tetryl	3.17	
98-95-3	Nitrobenzene	2.70	
118-96-7	2,4,6-Trinitrotoluene	3.09	
19406-51-0	4-Amino-2,6-dinitrotoluene	2.98	
35572-78-2	2-Amino-4,6-dinitrotoluene	2.81	
606-20-2	2,6-Dinitrotoluene	2.78	
121-14-2	2,4-Dinitrotoluene	3.00	
88-72-2	2-Nitrotoluene	2.49	
99-99-0	4-Nitrotoluene	2.58	
99-08-1	3-Nitrotoluene	2.64	

SW846 8330 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: IT CORPORATION - KNOXVILLE

Lab Code: STLKNX SDG No:

Lot #: H1H090000 WO #: EHN1P1AC
BATCH: 1221149

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
HMX	3.00	2.59	86	68- 122	
RDX	3.00	2.60	87	71- 127	
1,3,5-Trinitrobenzene	3.00	2.60	87	70- 124	
1,3-Dinitrobenzene	3.00	2.49	83	72- 124	
Tetryl	3.00	2.59	86	68- 123	
Nitrobenzene	3.00	2.20	73	60- 122	
2,4,6-Trinitrotoluene	3.00	2.44	81	71- 123	
4-Amino-2,6-dinitrotoluen	3.00	2.19	73	66- 122	
2-Amino-4,6-dinitrotoluen	3.00	2.15	72	65- 124	
2,6-Dinitrotoluene	3.00	2.33	78	66- 129	
2,4-Dinitrotoluene	3.00	2.37	79	70- 125	
2-Nitrotoluene	3.00	2.03	68	54- 121	
4-Nitrotoluene	3.00	2.07	69	59- 123	
3-Nitrotoluene	3.00	2.02	67	58- 124	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 14 outside limits

COMMENTS:

FORM III

SW846 8330 CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: IT CORPORATION - KNOXVILLE

Lab Code: STLKNX SDG No:

Lot #: H1H090000 WO #: EHN1P1AD
BATCH: 1221149

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
HMX	3.00	2.38	79	68- 122	
RDX	3.00	2.40	80	71- 127	
1,3,5-Trinitrobenzene	3.00	2.38	79	70- 124	
1,3-Dinitrobenzene	3.00	2.31	77	72- 124	
Tetryl	3.00	2.44	81	68- 123	
Nitrobenzene	3.00	2.00	67	60- 122	
2,4,6-Trinitrotoluene	3.00	2.29	76	71- 123	
4-Amino-2,6-dinitrotoluen	3.00	2.13	71	66- 122	
2-Amino-4,6-dinitrotoluen	3.00	2.06	69	65- 124	
2,6-Dinitrotoluene	3.00	2.21	74	66- 129	
2,4-Dinitrotoluene	3.00	2.22	74	70- 125	
2-Nitrotoluene	3.00	1.74	58	54- 121	
4-Nitrotoluene	3.00	1.84	61	59- 123	
3-Nitrotoluene	3.00	1.87	62	58- 124	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 14 outside limits

COMMENTS:

FORM III

SW846 8330 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: IT CORPORATION - KNOXVILLE

Lab Code: STLKNX SDG No:

Lot #: H1H300000 WO #: EJRMX1AC
BATCH: 1242120

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
HMX	3.00	3.08	103	68 - 122	
RDX	3.00	3.18	106	71 - 127	
1,3,5-Trinitrobenzene	3.00	3.22	107	70 - 124	
1,3-Dinitrobenzene	3.00	3.05	102	72 - 124	
Tetryl	3.00	3.20	107	68 - 123	
Nitrobenzene	3.00	2.75	92	60 - 122	
2,4,6-Trinitrotoluene	3.00	3.11	104	71 - 123	
4-Amino-2,6-dinitrotoluen	3.00	3.00	100	66 - 122	
2-Amino-4,6-dinitrotoluen	3.00	2.86	95	65 - 124	
2,6-Dinitrotoluene	3.00	2.79	93	66 - 129	
2,4-Dinitrotoluene	3.00	3.06	102	70 - 125	
2-Nitrotoluene	3.00	2.56	85	54 - 121	
4-Nitrotoluene	3.00	2.65	88	59 - 123	
3-Nitrotoluene	3.00	2.60	87	58 - 124	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 14 outside limits

COMMENTS:

FORM III

SW846 8330 CHECK SAMPLE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: IT CORPORATION - KNOXVILLE

Lab Code: STLKNX SDG No:

Lot #: H1H300000 WO #: EJRMX1AD
BATCH: 1242120

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
HMX	3.00	3.07	102	68- 122	
RDX	3.00	3.20	107	71- 127	
1,3,5-Trinitrobenzene	3.00	3.19	106	70- 124	
1,3-Dinitrobenzene	3.00	3.05	102	72- 124	
Tetryl	3.00	3.17	106	68- 123	
Nitrobenzene	3.00	2.70	90	60- 122	
2,4,6-Trinitrotoluene	3.00	3.09	103	71- 123	
4-Amino-2,6-dinitrotoluen	3.00	2.98	99	66- 122	
2-Amino-4,6-dinitrotoluen	3.00	2.81	94	65- 124	
2,6-Dinitrotoluene	3.00	2.78	93	66- 129	
2,4-Dinitrotoluene	3.00	3.00	100	70- 125	
2-Nitrotoluene	3.00	2.49	83	54- 121	
4-Nitrotoluene	3.00	2.58	86	59- 123	
3-Nitrotoluene	3.00	2.64	88	58- 124	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 14 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

EHN1P1AA

SW846 8330 METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLKNX

SDG Number:

Lab File ID: H23S0021

Lot Number: H1H070218

Date Analyzed: 08/23/01

Time Analyzed: 20:39

Matrix: WATER

Date Extracted:08/09/01

GC Column: ID: .00

Extraction Method: 3535

Instrument ID: HS

Level:(low/med)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BC3019	EHK2L1AA	H23S0010	08/23/01	18:20
02	BB3002	EHK2N1AA	H23S0011	08/23/01	18:33
03	CHECK SAMPLE	EHN1P1AC C	H23S0022	08/23/01	20:52
04	DUPLICATE CHECK	EHN1P1AD L	H23S0023	08/23/01	21:04
05					
06					
07					
08					
09					
10					
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30					

COMMENTS:

FORM IV

BLANK WORKORDER NO.

EJRMX1AA

SW846 8330 METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLKNX

SDG Number:

Lab File ID: I04S0038

Lot Number: H1H070218

Date Analyzed: 09/04/01

Time Analyzed: 22:59

Matrix: WATER

Date Extracted:08/30/01

GC Column: C18 ID: 4.60

Extraction Method: 3535

Instrument ID: HS

Level:(low/med)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BC3019	EHK2L2AA	I04S0020	09/04/01	19:15
02	BB3002	EHK2N2AA	I04S0021	09/04/01	19:27
03	CHECK SAMPLE	EJRMX1AC C	I04S0039	09/04/01	23:12
04	DUPLICATE CHECK	EJRMX1AD L	I04S0040	09/04/01	23:24
05					
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30					

COMMENTS:

FORM IV

SEVERN
TRENT
SERVICES

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921-5947

Tel: 865-291-3000
Fax: 865-584-4315
www.stl-inc.com

ANALYTICAL REPORT

PBOW

Lot #: H1H070257

Maureen McMyler

IT Corporation - Knoxville
312 Directors Drive
Knoxville, TN 37923

SEVERN TRENT LABORATORIES, INC.

Jamie A McKinney

Jamie A. McKinney
Project Manager

August 14, 2001

H1H070257 Analytical Report 1
Sample Receipt Documentation 5
Volatiles 9
Total Number of Pages 29

SAMPLE SUMMARY

H1H070257

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EHK20	001	BC3019	08/06/01	12:10
EHK23	002	BB3002	08/06/01	11:45
EHK25	003	TB080601	08/06/01	11:45

NOTE(S):

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

ANALYTICAL METHODS SUMMARY

H1H070257

PARAMETER	ANALYTICAL METHOD
Volatile Organics by GC/MS	SW846 8260B

References:

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

PROJECT NARRATIVE
H1H070257

The results reported herein are applicable to the samples submitted for analysis only.

The original chain of custody documentation is included with this report.

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control

All holding times and QC criteria were met.

Comments

The result for methylene chloride for method blank EHPLD1AA was greater than the reporting limit, but less than 5 times the reporting limit. Methylene chloride is considered a common laboratory contaminant.

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

STL Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ, California DHS ELAP Cert. #2423, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906 (SDWA, 5/14/01-6/21/02), Hawaii DOH, Indiana DOH Cert. #C-TN-02, Kentucky DEP Lab ID #90101, Louisiana DEQ Agency Interest #83979, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #81001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, 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, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, US Army Corps of Engineers, Naval Facilities Engineering Service Center, US EPA Perchlorate Approval and USDA Soil Permit #S-46424. 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 Receipt Documentation

HH070257

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE COC NO.: PB08 - 01STL 06

PAGE 1 OF 1

Project Name/No: PBOW 825635
Sample Team Member: Hugh Adams
Profit Center: Knoxville
Project Manager: Mike Spangberg
Purchase Order No.:
Required Report Date: 7 Days

Sample Shipment Date: 8/6/01
Laboratory Destination: STL
Laboratory Contact: Jamie McKinney
Project Contact/Phone: Maureen McMyler/865-690-3211
Carrier Waybill No.: 822665049310

Bill To: Accounting, IT Corporation, 312 Directors Drive, Knoxville, TN 37923
Report To: Maureen McMyler, IT Corporation, 312 Directors Drive, Knoxville, TN 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BC3019	WATER	8/6/01 1210	Glass vial	3@ 40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B		
BC3019	WATER	8/6/01 1210	Amber	1@ 1 L	N/A	Nitroaromatics Screen SW-846 8330		
BB3002	WATER	8/6/01 1145	Glass vial	3@ 40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B		
BB3002	WATER	8/6/01 1145	Amber	1@ 1 L	N/A	Nitroaromatics Screen SW-846 8330		
TB080601	WATER	8/6/01	Glass vial	2@ 40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B	Rec'd temp. 3°C	
	WATER		Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330	Custody Seals intact	
	WATER		Glass vial	40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B	Fedex # 822665049310	
	WATER		Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330	MFH 08-07-01	
	WATER		Glass vial	40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B		
	WATER		Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330		
	WATER		Glass vial	40 mL	HCL < pH2	TCL VOC Screen SW-846 8260B		
	WATER		Amber	1 L	N/A	Nitroaromatics Screen SW-846 8330		

Special Instructions: X 7 DAY TURN AROUND TIME FOR 8330

Possible Hazard Identification:
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: X

Sample Disposal:
Return to Client: ____ Disposal by Lab: X Archive: ____

Turnaround Time:
Normal: X Rush: X 7days

Level of QC Required:
Definitive Project Specific: ____

1. Relinquished by: David Kessler IT Corporation Date: 8/6/01 Time: 1700
1. Received by: Matthew J. Howard Date: 08-07-01 Time: 08:15
2. Relinquished by: Date: Time:
2. Received by: Date: Time:
3. Relinquished by: Date: Time:
2. Received by: Date: Time:

Comments: Temp Blank included

STL KNOXVILLE
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST
Page 1 of 2

CLIENT: IT Corp. PROJECT: PBow 825635 Lot No.: H1H070257

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?	✓		
(NOTE: North Carolina, 1668, 1613B have 0-4°C requirement)			
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 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: Matthew F Howard DATE: 08-07-01

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 43241			
b. Informed Login associates of special instructions ?			X
2. If custody seals were missing/not intact, was client notified?			X

PROJECT MANAGER : JM DATE: 8/8/01

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: _____

STL KNOXVILLE

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT PROJECT: PBOW Lot No.: H1H070257

TO BE COMPETED BY PROJECT MANAGER:

1. Client Documents (Request for Analysis/Chain of Custody):	YES	NO	NA
a. Was QuanTIMS lot number documented on all paperwork?	X		
b. Was RFA/COC signed upon receipt, including date/time?	X		
c. Is preservative check (pH) noted on RFA/COC?			X
d. Is cooler temperature & custody seal condition noted on COC?	X		

2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	X		
b. Were tests/parameters assigned correctly?	X		
c. Were correct analytical and report due dates assigned?	X		
d. Has the correct fax due date been assigned to the lot?			X
e. Is the correct report format noted in the lot summary?	X		
f. Is percent moisture logged for samples requiring this analysis?			X
g. Are client assigned QC samples properly defined?			X

3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?			X
b If the purchase order number is given, is it noted in Lot header?			X
c. If samples were subcontracted, was copy of COC in folder?			X

4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?			X
b Is SDG number noted in Lot header & sample comments?			X
c. If SDG is complete, has the due date been revised & marked closed?			X

5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	X		
b. Was there a CUR?			X
c. Were all issues resolved?			X

LOT FOLDER REVIEWED BY: JM DATE: 8/8/01

Volatiles

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H070257 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/07/01
Work Order: EHK201AA Date Extracted:08/09/01
Dilution factor: 1 Date Analyzed: 08/09/01

QC Batch: 1221266

Client Sample Id: BC3019

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	5.0	U
67-64-1	Acetone	20	U
75-15-0	**Carbon disulfide**	**0.75**	**J**
75-35-4	1,1-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
67-66-3	Chloroform	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
75-27-4	Bromodichloromethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
79-01-6	Trichloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
71-43-2	Benzene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-25-2	Bromoform	5.0	U
108-10-1	4-Methyl-2-pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H070257 001
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/07/01
Work Order: EHK201AA Date Extracted:08/09/01
Dilution factor: 1 Date Analyzed: 08/09/01

QC Batch: 1221266

Client Sample Id: BC3019

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-88-3	Toluene	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
1330-20-7	Xylenes (total)	5.0	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H070257 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/07/01
Work Order: EHK231AA Date Extracted:08/09/01
Dilution factor: 1 Date Analyzed: 08/09/01

QC Batch: 1221266

Client Sample Id: BB3002

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	5.0	U
67-64-1	Acetone	17	J
75-15-0	Carbon disulfide	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
67-66-3	Chloroform	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
75-27-4	Bromodichloromethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
79-01-6	Trichloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
71-43-2	Benzene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-25-2	Bromoform	5.0	U
108-10-1	4-Methyl-2-pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H070257 002
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/07/01
Work Order: EHK231AA Date Extracted:08/09/01
Dilution factor: 1 Date Analyzed: 08/09/01

QC Batch: 1221266

Client Sample Id: BB3002

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-88-3	Toluene	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
1330-20-7	Xylenes (total)	5.0	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H070257 003
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/07/01
Work Order: EHK251AA Date Extracted:08/09/01
Dilution factor: 1 Date Analyzed: 08/09/01

QC Batch: 1221266

Client Sample Id: TB080601

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	5.0	U
67-64-1	Acetone	20	U
75-15-0	Carbon disulfide	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
67-66-3	Chloroform	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
75-27-4	Bromodichloromethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
79-01-6	Trichloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
71-43-2	Benzene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-25-2	Bromoform	5.0	U
108-10-1	4-Methyl-2-pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

IT CORPORATION - KNOXVILLE

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H070257 003
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/07/01
Work Order: EHK251AA Date Extracted:08/09/01
Dilution factor: 1 Date Analyzed: 08/09/01

QC Batch: 1221266

Client Sample Id: TB080601

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-88-3	Toluene	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
1330-20-7	Xylenes (total)	5.0	U

IT CORPORATION - KNOXVILLE
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H090000 266
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/07/01
Work Order: EHPLD1AA Date Extracted:08/09/01
Dilution factor: 1 Date Analyzed: 08/09/01

QC Batch: 1221266

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	7.3	
67-64-1	Acetone	20	U
75-15-0	Carbon disulfide	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
540-59-0	1,2-Dichloroethene (total)	5.0	U
67-66-3	Chloroform	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
75-27-4	Bromodichloromethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
79-01-6	Trichloroethene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
71-43-2	Benzene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
75-25-2	Bromoform	5.0	U
108-10-1	4-Methyl-2-pentanone	20	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

IT CORPORATION - KNOXVILLE
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:H1H090000 266
Method: SW846 8260B
Volatile Organics, GC/MS (8260B)

Sample WT/Vol: 5 / mL Date Received: 08/07/01
Work Order: EHPLD1AA Date Extracted:08/09/01
Dilution factor: 1 Date Analyzed: 08/09/01

QC Batch: 1221266

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
108-88-3	Toluene	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U
100-42-5	Styrene	5.0	U
1330-20-7	Xylenes (total)	5.0	U

BLANK WORKORDER NO.

EHPLD1AA

SW846 8260B METHOD BLANK SUMMARY

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLKNX

SDG Number:

Lab File ID: ehn5v1aa.

Lot Number: H1H070257

Date Analyzed: 08/09/01

Time Analyzed: 13:54

Matrix: WATER

Date Extracted:08/09/01

GC Column: DB-624 ID: .18

Extraction Method: 5030

Instrument ID: MJ

Level:(low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	BC3019	EHK201AA	ehk201aa.	08/09/01	21:54
02	BB3002	EHK231AA	ehk231aa.	08/09/01	22:20
03	TB080601	EHK251AA	ehk251aa.	08/09/01	22:47
04					
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COMMENTS:

FORM IV

SEVERN
TRENT
SERVICES

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921-5947

Tel: 865-291-3000
Fax: 865-584-4315
www.stl-inc.com

ANALYTICAL REPORT

PBOW

Lot #: H1I270167

Maureen McMyler

IT Corporation - Knoxville
312 Directors Drive
Knoxville, TN 37923

SEVERN TRENT LABORATORIES, INC.

Jamie A. McKinney
Project Manager

October 31, 2001

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SAMPLE SUMMARY

H1I270167

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EK7DP	001	BD0003	09/26/01	12:20
EK7D9	002	BD0004	09/26/01	12:25
EK7EH	003	BD0005	09/26/01	15:35
EK7EM	004	BD0006	09/26/01	16:05
EK7EP	005	BD0007	09/26/01	09:20
EK7ET	006	BD0008	09/26/01	09:35
EK7EW	007	BD0009	09/26/01	10:15
EK7E1	008	BD0010	09/26/01	10:15
EK7E4	009	BD0012	09/26/01	10:45
EK7E6	010	BD3026	09/26/01	13:40
EK7FP	011	BD3026	09/26/01	13:40

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.

ANALYTICAL METHODS SUMMARY

H1I270167

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
Nitrate	MCAWW 353.2
Nitroaromatics and Nitramines by HPLC	SW846 8330
Non-Filterable Residue (TSS)	MCAWW 160.2
Percent Moisture	MCAWW 160.3 MOD
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Sulfate	MCAWW 375.4
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	SW846 9060
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Turbidity (Nephelometric)	MCAWW 180.1
Volatile Organics by GC/MS	SW846 8260B

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
H1I270167

The results reported herein are applicable to the samples submitted for analysis only.

The original chain of custody documentation is included with this report.

Sample Receipt

Samples BD0010 and BD0012 did not have tests listed on the Chain of Custody. The label listed the same tests as sample BD009.

Subcontract

The following analyses were performed by STL North Canton Laboratory, 4101 Shuffel Drive, NW, North Canton, OH 44720: Hardness (MCAAW 130.2), Total Dissolved Solids (MCAAW 160.1), Total Suspended Solids (MCAAW 160.2), Turbidity (MCAAW 180.1), Alkalinity (MCAAW 310.1), Chloride (MCAAW 325.2), Nitrate (MCAAW 353.2), Sulfate (MCAAW 375.4), and Total Organic Carbon (SW846 9060).

Quality Control

Unless otherwise noted, all holding times and QC criteria were met. The test results shown in this report meet all applicable NELAC requirements. Any exceptions are noted below.

Volatiles

Internal standard recoveries for samples BD0006 and BD0008 were outside QC limits. However, the samples were bracketed by acceptable runs, indicating that a sample matrix effect is responsible for the internal standard criteria not being met.

Internal standard and surrogate recoveries for sample BD0007 were outside QC limits. However, the sample was bracketed by acceptable runs, indicating that a sample matrix effect is responsible for the internal standard criteria not being met. The surrogates outside QC limits were quantitated against the internal standards that exhibited low recoveries. The sample was not reanalyzed since the elevated surrogate recoveries were due to a matrix effect on the associated internal standards.

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STL Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ, California DHS ELAP Cert. #2423, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906 (SDWA, 5/14/01-6/21/02), Hawaii DOH, Indiana DOH Cert. #C-TN-02, Kentucky DEP Lab ID #90101, Louisiana DEQ Agency Interest #83979, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #81001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, 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, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, US Army Corps of Engineers, Naval Facilities Engineering Service Center, US EPA Perchlorate Approval and USDA Soil Permit #S-46424. 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
H1I270167

Volatiles (continued)

The concentration of acetone in samples BD0009 and BD0010 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.

Explosives

The matrix spike/matrix spike duplicate recoveries for sample BD0004 were acceptable for all analytes except RDX, 1,3,5-Trinitrobenzene, 1,3-Dinitrobenzene, Tetryl, Nitrobenzene, 2,4-Dintrotoluene, and 2-Nitrotoluene. The laboratory control sample/laboratory control sample duplicate showed acceptable results indicating that the analysis was in control. The matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects.

Due to sample matrix interferences, estimated results below the reporting limit were not reported for some analytes. The result was qualified with an "I" flag to indicate the presence of matrix interferences.

SPLP Explosives

The samples were tumbled for SPLP explosives, however the samples did not separate out. In order to filter enough volume of the samples to perform the extraction for explosives, the samples sat over night to allow the separation to occur.

Due to the difficult sample matrix and the high levels of target analytes in some of the samples, all of the samples for SPLP explosives were extracted using a high level preparation. The high level preparation uses 5 ml of sample instead of 500 ml, and the sample is concentrated to a 10 ml final volume instead of 5 ml. The high level prep provides a two hundred fold dilution. The dilution that appears on the sample data report will contain the two hundred fold dilution multiplied by any further dilutions that were performed on the sample.

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PROJECT NARRATIVE
H1I270167

Metals

The serial dilution of batch sample AC7018 was outside control limits for calcium due to physical or chemical matrix interferences.

The serial dilution of batch sample BD3026 was outside control limits for potassium due to physical or chemical matrix interferences.

A batch matrix spike/matrix spike duplicate was analyzed using a sample from this lot. Recoveries for calcium, iron, magnesium, potassium and sodium were not calculated due to high analyte concentrations in the sample relative to the spike level.

The serial dilution of sample BD0004 was outside control limits for some analytes due to physical or chemical matrix interferences.

The matrix spike/matrix spike duplicate recoveries for sample BD0004 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.

Nitrate

The sample was analyzed one day outside of the holding time due to a laboratory error.

Total Dissolved Solids

The weight of the sample was greater than 0.2 grams. The sample was prepared again outside of the holding time and with a dilution. Both sets of data were reported.

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Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0003

GC/MS Volatiles

Lot-Sample #...: H1I270167-001 **Work Order #...:** EK7DP1AD **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1
% Moisture.....: 18 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	6.1	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**5.1 J,B**	**6.1**	**ug/kg**
Acetone	**16 J,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	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	**0.89 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
Dibromofluoromethane	91	(76 - 125)
1,2-Dichloroethane-d4	93	(74 - 122)
Toluene-d8	96	(80 - 122)
Bromofluorobenzene	90	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0003

GC/MS Volatiles

Lot-Sample #...: H1I270167-001 Work Order #...: EK7DP1AD 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: BD0004

GC/MS Volatiles

Lot-Sample #...: H1I270167-002 **Work Order #...:** EK7D91A2 **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1
% Moisture.....: 22 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	6.4	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**6.1 J,B**	**6.4**	**ug/kg**
Acetone	**10 J,B**	**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	**1.1 J**	**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
Dibromofluoromethane	92	(76 - 125)
1,2-Dichloroethane-d4	90	(74 - 122)
Toluene-d8	97	(80 - 122)
Bromofluorobenzene	90	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0004

GC/MS Volatiles

Lot-Sample #...: H1I270167-002 Work Order #...: EK7D91A2 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: BD0005

GC/MS Volatiles

Lot-Sample #...: H1I270167-003 **Work Order #...:** EK7EH1AK **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1
% Moisture.....: 13 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	5.7	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**5.7 B**	**5.7**	**ug/kg**
Acetone	**15 J,B**	**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	**0.81 J**	**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
Dibromofluoromethane	91	(76 - 125)
1,2-Dichloroethane-d4	90	(74 - 122)
Toluene-d8	99	(80 - 122)
Bromofluorobenzene	93	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0005

GC/MS Volatiles

Lot-Sample #...: H1I270167-003 Work Order #...: EK7EH1AK 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: BD0006

GC/MS Volatiles

Lot-Sample #...: H1I270167-004 Work Order #...: EK7EM1AK Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
Prep Date.....: 10/02/01 Analysis Date..: 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1
% Moisture.....: 22 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	6.4	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**7.0 B**	**6.4**	**ug/kg**
Acetone	**18 J,B**	**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	**0.98 J**	**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
Dibromofluoromethane	92	(76 - 125)
1,2-Dichloroethane-d4	88	(74 - 122)
Toluene-d8	117	(80 - 122)
Bromofluorobenzene	118	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0006

GC/MS Volatiles

Lot-Sample #...: H1I270167-004 Work Order #...: EK7EM1AK 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: BD0007

GC/MS Volatiles

Lot-Sample #...: H1I270167-005 Work Order #...: EK7EP1AK Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
Prep Date.....: 10/02/01 Analysis Date..: 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1
% Moisture.....: 10 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	5.6	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**6.8 B**	**5.6**	**ug/kg**
Acetone	**12 J,B**	**22**	**ug/kg**
Carbon disulfide	ND	5.6	ug/kg
1,1-Dichloroethene	ND	5.6	ug/kg
1,1-Dichloroethane	ND	5.6	ug/kg
1,2-Dichloroethene (total)	ND	5.6	ug/kg
Chloroform	ND	5.6	ug/kg
1,2-Dichloroethane	ND	5.6	ug/kg
2-Butanone	ND	22	ug/kg
1,1,1-Trichloroethane	ND	5.6	ug/kg
Carbon tetrachloride	ND	5.6	ug/kg
Bromodichloromethane	ND	5.6	ug/kg
1,2-Dichloropropane	ND	5.6	ug/kg
cis-1,3-Dichloropropene	ND	5.6	ug/kg
Trichloroethene	ND	5.6	ug/kg
Dibromochloromethane	ND	5.6	ug/kg
1,1,2-Trichloroethane	ND	5.6	ug/kg
Benzene	ND	5.6	ug/kg
trans-1,3-Dichloropropene	ND	5.6	ug/kg
Bromoform	ND	5.6	ug/kg
4-Methyl-2-pentanone	ND	22	ug/kg
2-Hexanone	ND	22	ug/kg
Tetrachloroethene	ND	5.6	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg
Toluene	**1.4 J**	**5.6**	**ug/kg**
Chlorobenzene	ND	5.6	ug/kg
Ethylbenzene	ND	5.6	ug/kg
Styrene	ND	5.6	ug/kg
Xylenes (total)	ND	5.6	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	104	(76 - 125)
1,2-Dichloroethane-d4	101	(74 - 122)
Toluene-d8	130 *	(80 - 122)
Bromofluorobenzene	145 *	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0007

GC/MS Volatiles

Lot-Sample #...: H1I270167-005 Work Order #...: EK7EP1AK 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: BD0008

GC/MS Volatiles

Lot-Sample #...: H1I270167-006 Work Order #...: EK7ET1AK Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
Prep Date.....: 10/02/01 Analysis Date..: 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1
% Moisture.....: 9.3 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	5.5	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**5.9 B**	**5.5**	**ug/kg**
Acetone	**52 B**	**22**	**ug/kg**
Carbon disulfide	ND	5.5	ug/kg
1,1-Dichloroethene	ND	5.5	ug/kg
1,1-Dichloroethane	ND	5.5	ug/kg
1,2-Dichloroethene (total)	ND	5.5	ug/kg
Chloroform	ND	5.5	ug/kg
1,2-Dichloroethane	ND	5.5	ug/kg
2-Butanone	ND	22	ug/kg
1,1,1-Trichloroethane	ND	5.5	ug/kg
Carbon tetrachloride	ND	5.5	ug/kg
Bromodichloromethane	ND	5.5	ug/kg
1,2-Dichloropropane	ND	5.5	ug/kg
cis-1,3-Dichloropropene	ND	5.5	ug/kg
Trichloroethene	ND	5.5	ug/kg
Dibromochloromethane	ND	5.5	ug/kg
1,1,2-Trichloroethane	ND	5.5	ug/kg
Benzene	ND	5.5	ug/kg
trans-1,3-Dichloropropene	ND	5.5	ug/kg
Bromoform	ND	5.5	ug/kg
4-Methyl-2-pentanone	ND	22	ug/kg
2-Hexanone	ND	22	ug/kg
Tetrachloroethene	ND	5.5	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg
Toluene	**1.4 J**	**5.5**	**ug/kg**
Chlorobenzene	ND	5.5	ug/kg
Ethylbenzene	ND	5.5	ug/kg
Styrene	ND	5.5	ug/kg
Xylenes (total)	ND	5.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(76 - 125)
1,2-Dichloroethane-d4	92	(74 - 122)
Toluene-d8	106	(80 - 122)
Bromofluorobenzene	112	(68 - 141)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0008

GC/MS Volatiles

Lot-Sample #...: H1I270167-006 Work Order #...: EK7ET1AK 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: BD0009

GC/MS Volatiles

Lot-Sample #...: H1I270167-007 Work Order #...: EK7EW1AK Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
Prep Date.....: 10/02/01 Analysis Date..: 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1
% Moisture.....: 13 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	5.7	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**6.1 B**	**5.7**	**ug/kg**
Acetone	**6000 B,E**	**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	**0.86 J**	**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
Dibromofluoromethane	92	(76 - 125)
1,2-Dichloroethane-d4	91	(74 - 122)
Toluene-d8	101	(80 - 122)
Bromofluorobenzene	98	(68 - 141)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0009

GC/MS Volatiles

Lot-Sample #...: H1I270167-007 Work Order #...: EK7EW1AK 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.

E Estimated result. Result concentration exceeds the calibration range.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0009

GC/MS Volatiles

Lot-Sample #...:	H1I270167-007	Work Order #...:	EK7EW2AK	Matrix.....:	SOLID
Date Sampled...:	09/26/01	Date Received..:	09/27/01		
Prep Date.....:	10/03/01	Analysis Date..:	10/03/01		
Prep Batch #...:	1276264				
Dilution Factor:	1				
% Moisture.....:	13	Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	4400 D	1100	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(62 - 133)
1,2-Dichloroethane-d4	92	(67 - 131)
Toluene-d8	114	(72 - 129)
Bromofluorobenzene	103	(64 - 148)

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: BD0010

GC/MS Volatiles

Lot-Sample #...: H1I270167-008 Work Order #...: EK7E11AK Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
Prep Date.....: 10/02/01 Analysis Date..: 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1
% Moisture.....: 9.5 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	5.5	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**6.0 B**	**5.5**	**ug/kg**
Acetone	**5500 B,E**	**22**	**ug/kg**
Carbon disulfide	ND	5.5	ug/kg
1,1-Dichloroethene	ND	5.5	ug/kg
1,1-Dichloroethane	ND	5.5	ug/kg
1,2-Dichloroethene (total)	ND	5.5	ug/kg
Chloroform	ND	5.5	ug/kg
1,2-Dichloroethane	ND	5.5	ug/kg
2-Butanone	ND	22	ug/kg
1,1,1-Trichloroethane	ND	5.5	ug/kg
Carbon tetrachloride	ND	5.5	ug/kg
Bromodichloromethane	ND	5.5	ug/kg
1,2-Dichloropropane	ND	5.5	ug/kg
cis-1,3-Dichloropropene	ND	5.5	ug/kg
Trichloroethene	ND	5.5	ug/kg
Dibromochloromethane	ND	5.5	ug/kg
1,1,2-Trichloroethane	ND	5.5	ug/kg
Benzene	ND	5.5	ug/kg
trans-1,3-Dichloropropene	ND	5.5	ug/kg
Bromoform	ND	5.5	ug/kg
4-Methyl-2-pentanone	ND	22	ug/kg
2-Hexanone	ND	22	ug/kg
Tetrachloroethene	ND	5.5	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg
Toluene	**0.81 J**	**5.5**	**ug/kg**
Chlorobenzene	ND	5.5	ug/kg
Ethylbenzene	ND	5.5	ug/kg
Styrene	ND	5.5	ug/kg
Xylenes (total)	ND	5.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 125)
1,2-Dichloroethane-d4	91	(74 - 122)
Toluene-d8	100	(80 - 122)
Bromofluorobenzene	100	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0010

GC/MS Volatiles

Lot-Sample #...: H1I270167-008 Work Order #...: EK7E11AK 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.

E Estimated result. Result concentration exceeds the calibration range.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0010

GC/MS Volatiles

Lot-Sample #...:	H1I270167-008	Work Order #...:	EK7E12AK	Matrix.....:	SOLID
Date Sampled...:	09/26/01	Date Received..:	09/27/01		
Prep Date.....:	10/03/01	Analysis Date..:	10/03/01		
Prep Batch #...:	1276264				
Dilution Factor:	1				
% Moisture.....:	9.5	Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	1100 D	1100	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(62 - 133)
1,2-Dichloroethane-d4	89	(67 - 131)
Toluene-d8	113	(72 - 129)
Bromofluorobenzene	104	(64 - 148)

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: BD0012

GC/MS Volatiles

Lot-Sample #...: H1I270167-009 **Work Order #...:** EK7E42AK **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1
% Moisture.....: 11 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	5.6	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**4.2 J,B**	**5.6**	**ug/kg**
Acetone	**7.9 J**	**22**	**ug/kg**
Carbon disulfide	ND	5.6	ug/kg
1,1-Dichloroethene	ND	5.6	ug/kg
1,1-Dichloroethane	ND	5.6	ug/kg
1,2-Dichloroethene (total)	ND	5.6	ug/kg
Chloroform	ND	5.6	ug/kg
1,2-Dichloroethane	ND	5.6	ug/kg
2-Butanone	ND	22	ug/kg
1,1,1-Trichloroethane	ND	5.6	ug/kg
Carbon tetrachloride	ND	5.6	ug/kg
Bromodichloromethane	ND	5.6	ug/kg
1,2-Dichloropropane	ND	5.6	ug/kg
cis-1,3-Dichloropropene	ND	5.6	ug/kg
Trichloroethene	ND	5.6	ug/kg
Dibromochloromethane	ND	5.6	ug/kg
1,1,2-Trichloroethane	ND	5.6	ug/kg
Benzene	ND	5.6	ug/kg
trans-1,3-Dichloropropene	ND	5.6	ug/kg
Bromoform	ND	5.6	ug/kg
4-Methyl-2-pentanone	ND	22	ug/kg
2-Hexanone	ND	22	ug/kg
Tetrachloroethene	ND	5.6	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.6	ug/kg
Toluene	**0.74 J**	**5.6**	**ug/kg**
Chlorobenzene	ND	5.6	ug/kg
Ethylbenzene	ND	5.6	ug/kg
Styrene	ND	5.6	ug/kg
Xylenes (total)	ND	5.6	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 125)
1,2-Dichloroethane-d4	96	(74 - 122)
Toluene-d8	98	(80 - 122)
Bromofluorobenzene	89	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0012

GC/MS Volatiles

Lot-Sample #...: H1I270167-009 Work Order #...: EK7E42AK 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: BD3026

GC/MS Volatiles

Lot-Sample #...: H1I270167-010 Work Order #...: EK7E61A4 Matrix.....: WATER
Date Sampled...: 09/26/01 Date Received..: 09/27/01
Prep Date.....: 10/03/01 Analysis Date..: 10/03/01
Prep Batch #...: 1274220
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	**1.2 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	**0.25 J**	**1.0**	**ug/L**
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(80 - 120)
1,2-Dichloroethane-d4	110	(80 - 120)
Toluene-d8	95	(80 - 120)
Bromofluorobenzene	100	(72 - 135)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3026

GC/MS Volatiles

Lot-Sample #...: H1I270167-010 Work Order #...: EK7E61A4 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1I270167 Work Order #...: ELDHC1AA Matrix.....: WATER
MB Lot-Sample #: H1J010000-220

Prep Date.....: 10/03/01
Analysis Date..: 10/03/01 Prep Batch #...: 1274220
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(80 - 120)
1,2-Dichloroethane-d4	99	(80 - 120)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	102	(72 - 135)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1I270167 Work Order #...: ELDHC1AA Matrix.....: WATER

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H1I270167 Work Order #...: ELDHC1AD-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J010000-220 ELDHC1AE-LCSD
Prep Date.....: 10/03/01 Analysis Date..: 10/03/01
Prep Batch #...: 1274220
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	11.1	ug/L	111	6.3	SW846 8260B
Trichloroethene	10.0	11.0	ug/L	110		SW846 8260B
	10.0	11.0	ug/L	110	0.23	SW846 8260B
Benzene	10.0	11.1	ug/L	111		SW846 8260B
	10.0	11.1	ug/L	111	0.0	SW846 8260B
Toluene	10.0	11.5	ug/L	115		SW846 8260B
	10.0	11.5	ug/L	115	0.74	SW846 8260B
Chlorobenzene	10.0	10.9	ug/L	109		SW846 8260B
	10.0	10.8	ug/L	108	1.2	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(80 - 120)
	99	(80 - 120)
1,2-Dichloroethane-d4	96	(80 - 120)
	96	(80 - 120)
Toluene-d8	103	(80 - 120)
	102	(80 - 120)
Bromofluorobenzene	100	(72 - 135)
	98	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1I270167 Work Order #...: ELDHC1AD-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J010000-220 ELDHC1AE-LCSD
Prep Date.....: 10/03/01 Analysis Date..: 10/03/01
Prep Batch #...: 1274220
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	104	(69 - 120)			SW846 8260B
	111	(69 - 120)	6.3	(0-26)	SW846 8260B
Trichloroethene	110	(76 - 120)			SW846 8260B
	110	(76 - 120)	0.23	(0-17)	SW846 8260B
Benzene	111	(76 - 120)			SW846 8260B
	111	(76 - 120)	0.0	(0-19)	SW846 8260B
Toluene	115	(77 - 120)			SW846 8260B
	115	(77 - 120)	0.74	(0-17)	SW846 8260B
Chlorobenzene	109	(75 - 120)			SW846 8260B
	108	(75 - 120)	1.2	(0-17)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(80 - 120)
	99	(80 - 120)
1,2-Dichloroethane-d4	96	(80 - 120)
	96	(80 - 120)
Toluene-d8	103	(80 - 120)
	102	(80 - 120)
Bromofluorobenzene	100	(72 - 135)
	98	(72 - 135)

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 #...: H1I270167 **Work Order #...:** ELEME1AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J020000-204

Prep Date.....: 10/02/01
Analysis Date..: 10/02/01 **Prep Batch #...:** 1275204
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Methylene chloride	**4.0 J**	**5.0**	**ug/kg**	**SW846 8260B**
Acetone	**9.2 J**	**20**	**ug/kg**	**SW846 8260B**
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethene (total)	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260B
2-Hexanone	ND	20	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(76 - 125)
1,2-Dichloroethane-d4	88	(74 - 122)
Toluene-d8	96	(80 - 122)
Bromofluorobenzene	88	(68 - 141)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1I270167 Work Order #...: ELEME1AA Matrix.....: SOLID

NOTE(S):

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

J Estimated result. Result is less than RL.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H1I270167 Work Order #...: EK7D91A3-MS Matrix.....: SOLID
MS Lot-Sample #: H1I270167-002 EK7D91A4-MSD
Date Sampled...: 09/26/01 Date Received..: 09/27/01
Prep Date.....: 10/02/01 Analysis Date..: 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1 % Moisture.....: 22

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	57.2	57.8	ug/kg	101		SW846 8260B
	ND	55.2	55.9	ug/kg	101	3.3	SW846 8260B
Trichloroethene	ND	57.2	56.9	ug/kg	99		SW846 8260B
	ND	55.2	53.6	ug/kg	97	5.9	SW846 8260B
Benzene	ND	57.2	57.8	ug/kg	101		SW846 8260B
	ND	55.2	55.7	ug/kg	101	3.6	SW846 8260B
Toluene	1.1	57.2	64.4	ug/kg	111		SW846 8260B
	1.1	55.2	61.2	ug/kg	109	5.1	SW846 8260B
Chlorobenzene	ND	57.2	59.7	ug/kg	104		SW846 8260B
	ND	55.2	56.8	ug/kg	103	5.0	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(76 - 125)
	92	(76 - 125)
1,2-Dichloroethane-d4	87	(74 - 122)
	88	(74 - 122)
Toluene-d8	104	(80 - 122)
	104	(80 - 122)
Bromofluorobenzene	104	(68 - 141)
	104	(68 - 141)

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.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1I270167 Work Order #...: EK7D91A3-MS Matrix.....: SOLID
MS Lot-Sample #: H1I270167-002 EK7D91A4-MSD
Date Sampled...: 09/26/01 Date Received..: 09/27/01
Prep Date.....: 10/02/01 Analysis Date..: 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1 % Moisture.....: 22

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	101	(51 - 143)			SW846 8260B
	101	(51 - 143)	3.3	(0-20)	SW846 8260B
Trichloroethene	99	(57 - 129)			SW846 8260B
	97	(57 - 129)	5.9	(0-20)	SW846 8260B
Benzene	101	(44 - 141)			SW846 8260B
	101	(44 - 141)	3.6	(0-20)	SW846 8260B
Toluene	111	(43 - 138)			SW846 8260B
	109	(43 - 138)	5.1	(0-20)	SW846 8260B
Chlorobenzene	104	(38 - 138)			SW846 8260B
	103	(38 - 138)	5.0	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(76 - 125)
	92	(76 - 125)
1,2-Dichloroethane-d4	87	(74 - 122)
	88	(74 - 122)
Toluene-d8	104	(80 - 122)
	104	(80 - 122)
Bromofluorobenzene	104	(68 - 141)
	104	(68 - 141)

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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1I270167 Work Order #...: ELEME1AC Matrix.....: SOLID
LCS Lot-Sample#: H1J020000-204
Prep Date.....: 10/02/01 Analysis Date..: 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**50.0**	**49.8**	**ug/kg**	**100**	**SW846 8260B**
Trichloroethene	**50.0**	**49.7**	**ug/kg**	**99**	**SW846 8260B**
Benzene	**50.0**	**49.2**	**ug/kg**	**98**	**SW846 8260B**
Toluene	**50.0**	**50.5**	**ug/kg**	**101**	**SW846 8260B**
Chlorobenzene	**50.0**	**50.6**	**ug/kg**	**101**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(76 - 125)
1,2-Dichloroethane-d4	86	(74 - 122)
Toluene-d8	98	(80 - 122)
Bromofluorobenzene	91	(68 - 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 Volatiles

Client Lot #...: H1I270167 Work Order #...: ELEME1AC Matrix.....: SOLID
LCS Lot-Sample#: H1J020000-204
Prep Date.....: 10/02/01 Analysis Date..: 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**100**	**(75 - 128)**	**SW846 8260B**
Trichloroethene	**99**	**(80 - 120)**	**SW846 8260B**
Benzene	**98**	**(80 - 120)**	**SW846 8260B**
Toluene	**101**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**101**	**(80 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(76 - 125)
1,2-Dichloroethane-d4	86	(74 - 122)
Toluene-d8	98	(80 - 122)
Bromofluorobenzene	91	(68 - 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 Volatiles

Client Lot #...: H1I270167 Work Order #...: ELGTF1AA Matrix.....: SOLID
MB Lot-Sample #: H1J030000-259

Prep Date.....: 10/03/01
Analysis Date..: 10/03/01 Prep Batch #...: 1276259
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Methylene chloride	**3.2 J**	**5.0**	**ug/kg**	**SW846 8260B**
Acetone	ND	20	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethene (total)	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260B
2-Hexanone	ND	20	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(76 - 125)
1,2-Dichloroethane-d4	89	(74 - 122)
Toluene-d8	97	(80 - 122)
Bromofluorobenzene	87	(68 - 141)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1I270167 Work Order #...: ELGTF1AA Matrix.....: SOLID

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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1I270167 Work Order #...: ELGTF1AC Matrix.....: SOLID
LCS Lot-Sample#: H1J030000-259
Prep Date.....: 10/03/01 Analysis Date..: 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**50.0**	**49.8**	**ug/kg**	**100**	**SW846 8260B**
Trichloroethene	**50.0**	**49.9**	**ug/kg**	**100**	**SW846 8260B**
Benzene	**50.0**	**50.6**	**ug/kg**	**101**	**SW846 8260B**
Toluene	**50.0**	**52.0**	**ug/kg**	**104**	**SW846 8260B**
Chlorobenzene	**50.0**	**52.5**	**ug/kg**	**105**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 125)
1,2-Dichloroethane-d4	90	(74 - 122)
Toluene-d8	97	(80 - 122)
Bromofluorobenzene	87	(68 - 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 Volatiles

Client Lot #...: H1I270167 Work Order #...: ELGTF1AC Matrix.....: SOLID
LCS Lot-Sample#: H1J030000-259
Prep Date.....: 10/03/01 Analysis Date..: 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**100**	**(75 - 128)**	**SW846 8260B**
Trichloroethene	**100**	**(80 - 120)**	**SW846 8260B**
Benzene	**101**	**(80 - 120)**	**SW846 8260B**
Toluene	**104**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**105**	**(80 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 125)
1,2-Dichloroethane-d4	90	(74 - 122)
Toluene-d8	97	(80 - 122)
Bromofluorobenzene	87	(68 - 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 Volatiles

Client Lot #...: H1I270167 Work Order #...: ELGWG1AA Matrix.....: SOLID
MB Lot-Sample #: H1J030000-264

Prep Date.....: 10/03/01
Analysis Date..: 10/03/01 Prep Batch #...: 1276264
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	1000	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(62 - 133)
1,2-Dichloroethane-d4	84	(67 - 131)
Toluene-d8	105	(72 - 129)
Bromofluorobenzene	96	(64 - 148)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H1I270167 Work Order #...: ELGWG1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: H1J030000-264 ELGWG1AD-LCSD
Prep Date.....: 10/03/01 Analysis Date..: 10/03/01
Prep Batch #...: 1276264
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	2500	2140	ug/kg	86		SW846 8260B
	2500	2240	ug/kg	90	4.8	SW846 8260B
Benzene	2500	2540	ug/kg	102		SW846 8260B
	2500	2610	ug/kg	104	2.7	SW846 8260B
Trichloroethene	2500	2420	ug/kg	97		SW846 8260B
	2500	2440	ug/kg	98	0.79	SW846 8260B
Toluene	2500	2800	ug/kg	112		SW846 8260B
	2500	2910	ug/kg	116	3.7	SW846 8260B
Chlorobenzene	2500	2680	ug/kg	107		SW846 8260B
	2500	2740	ug/kg	110	2.2	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	77	(62 - 133)
	97	(62 - 133)
1,2-Dichloroethane-d4	72	(67 - 131)
	91	(67 - 131)
Toluene-d8	89	(72 - 129)
	109	(72 - 129)
Bromofluorobenzene	82	(64 - 148)
	99	(64 - 148)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1I270167 Work Order #...: ELGWG1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: H1J030000-264 ELGWG1AD-LCSD
Prep Date.....: 10/03/01 Analysis Date..: 10/03/01
Prep Batch #...: 1276264
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	86	(57 - 128)			SW846 8260B
	90	(57 - 128)	4.8	(0-23)	SW846 8260B
Benzene	102	(76 - 128)			SW846 8260B
	104	(76 - 128)	2.7	(0-19)	SW846 8260B
Trichloroethene	97	(80 - 129)			SW846 8260B
	98	(80 - 129)	0.79	(0-18)	SW846 8260B
Toluene	112	(75 - 131)			SW846 8260B
	116	(75 - 131)	3.7	(0-24)	SW846 8260B
Chlorobenzene	107	(80 - 129)			SW846 8260B
	110	(80 - 129)	2.2	(0-22)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	77	(62 - 133)
	97	(62 - 133)
1,2-Dichloroethane-d4	72	(67 - 131)
	91	(67 - 131)
Toluene-d8	89	(72 - 129)
	109	(72 - 129)
Bromofluorobenzene	82	(64 - 148)
	99	(64 - 148)

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: BD3026

GC/MS Semivolatiles

Lot-Sample #...: H1I270167-010 Work Order #...: EK7E61A5 Matrix.....: WATER
Date Sampled...: 09/26/01 Date Received..: 09/27/01
Prep Date.....: 09/28/01 Analysis Date..: 10/07/01
Prep Batch #...: 1271225
Dilution Factor: 1 Method.....: SW846 8270C

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-propyl-amine	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-Trichloro-benzene	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
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3026

GC/MS Semivolatiles

Lot-Sample #...: H1I270167-010 Work Order #...: EK7E61A5 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**2.9 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	60	(29 - 110)
Phenol-d5	64	(41 - 115)
Nitrobenzene-d5	70	(46 - 117)
2-Fluorobiphenyl	65	(44 - 116)
2,4,6-Tribromophenol	65	(31 - 138)
Terphenyl-d14	70	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3026

GC/MS Semivolatiles

Lot-Sample #...: H1I270167-010 Work Order #...: EK7E61A5 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1I270167 **Work Order #...:** EK9DA1AA **Matrix.....:** WATER
MB Lot-Sample #: H1I280000-225

Prep Date.....: 09/28/01
Analysis Date..: 10/07/01 **Prep Batch #...:** 1271225
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1I270167 **Work Order #...:** EK9DA1AA **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(29 - 110)
Phenol-d5	79	(41 - 115)
Nitrobenzene-d5	87	(46 - 117)
2-Fluorobiphenyl	86	(44 - 116)
2,4,6-Tribromophenol	83	(31 - 138)
Terphenyl-d14	95	(36 - 134)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1I270167 Work Order #...: EK9DA1AA Matrix.....: WATER

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1I270167 Work Order #...: EK9DA1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1I280000-225 EK9DA1AD-LCSD
Prep Date.....: 09/28/01 Analysis Date..: 10/07/01
Prep Batch #...: 1271225
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Phenol	100	91.2	ug/L	91		SW846 8270C
	100	95.0	ug/L	95	4.1	SW846 8270C
2-Chlorophenol	100	90.8	ug/L	91		SW846 8270C
	100	93.2	ug/L	93	2.6	SW846 8270C
1,4-Dichlorobenzene	100	86.8	ug/L	87		SW846 8270C
	100	91.0	ug/L	91	4.7	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	95.0	ug/L	95		SW846 8270C
	100	99.9	ug/L	100	5.0	SW846 8270C
1,2,4-Trichloro-benzene	100	90.8	ug/L	91		SW846 8270C
	100	93.1	ug/L	93	2.5	SW846 8270C
4-Chloro-3-methylphenol	100	95.3	ug/L	95		SW846 8270C
	100	99.5	ug/L	100	4.3	SW846 8270C
Acenaphthene	100	78.7	ug/L	79		SW846 8270C
	100	81.0	ug/L	81	2.9	SW846 8270C
4-Nitrophenol	100	96.1	ug/L	96		SW846 8270C
	100	106	ug/L	106	9.8	SW846 8270C
2,4-Dinitrotoluene	100	107	ug/L	107		SW846 8270C
	100	114	ug/L	114	6.3	SW846 8270C
Pentachlorophenol	100	91.2	ug/L	91		SW846 8270C
	100	97.8	ug/L	98	7.0	SW846 8270C
Pyrene	100	81.8	ug/L	82		SW846 8270C
	100	83.9	ug/L	84	2.5	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	89	(29 - 110)
	86	(29 - 110)
Phenol-d5	95	(41 - 115)
	98	(41 - 115)
Nitrobenzene-d5	98	(46 - 117)
	104	(46 - 117)
2-Fluorobiphenyl	96	(44 - 116)
	98	(44 - 116)
2,4,6-Tribromophenol	105	(31 - 138)
	108	(31 - 138)
Terphenyl-d14	99	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1I270167 **Work Order #...:** EK9DA1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1I280000-225 EK9DA1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	102	(36 - 134)

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 #...: H1I270167 Work Order #...: EK9DA1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1I280000-225 EK9DA1AD-LCSD
Prep Date.....: 09/28/01 Analysis Date..: 10/07/01
Prep Batch #...: 1271225
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	91	(61 - 111)			SW846 8270C
	95	(61 - 111)	4.1	(0-39)	SW846 8270C
2-Chlorophenol	91	(61 - 110)			SW846 8270C
	93	(61 - 110)	2.6	(0-41)	SW846 8270C
1,4-Dichlorobenzene	87	(49 - 110)			SW846 8270C
	91	(49 - 110)	4.7	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	95	(62 - 117)			SW846 8270C
	100	(62 - 117)	5.0	(0-31)	SW846 8270C
1,2,4-Trichloro-benzene	91	(64 - 109)			SW846 8270C
	93	(64 - 109)	2.5	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	95	(70 - 109)			SW846 8270C
	100	(70 - 109)	4.3	(0-28)	SW846 8270C
Acenaphthene	79	(69 - 107)			SW846 8270C
	81	(69 - 107)	2.9	(0-29)	SW846 8270C
4-Nitrophenol	96	(59 - 120)			SW846 8270C
	106	(59 - 120)	9.8	(0-30)	SW846 8270C
2,4-Dinitrotoluene	107	(77 - 118)			SW846 8270C
	114	(77 - 118)	6.3	(0-29)	SW846 8270C
Pentachlorophenol	91	(38 - 124)			SW846 8270C
	98	(38 - 124)	7.0	(0-41)	SW846 8270C
Pyrene	82	(75 - 125)			SW846 8270C
	84	(75 - 125)	2.5	(0-26)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	89	(29 - 110)
	86	(29 - 110)
Phenol-d5	95	(41 - 115)
	98	(41 - 115)
Nitrobenzene-d5	98	(46 - 117)
	104	(46 - 117)
2-Fluorobiphenyl	96	(44 - 116)
	98	(44 - 116)
2,4,6-Tribromophenol	105	(31 - 138)
	108	(31 - 138)
Terphenyl-d14	99	(36 - 134)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1I270167 **Work Order #...:** EK9DA1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1I280000-225 EK9DA1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	102	(36 - 134)

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: BD0003

HPLC

Lot-Sample #...: H1I270167-001 **Work Order #...:** EK7DP1AE **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 3
% Moisture.....: 18 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	1.5	mg/kg
RDX	ND G	2.3	mg/kg
1,3,5-Trinitrobenzene	**18**	**0.75**	**mg/kg**
1,3-Dinitrobenzene	**3.3**	**0.75**	**mg/kg**
Tetryl	ND	2.0	mg/kg
Nitrobenzene	ND I	0.75	mg/kg
2,4,6-Trinitrotoluene	ND I	0.75	mg/kg
4-Amino-2,6-dinitrotoluene	ND I	0.75	mg/kg
2-Amino-4,6-dinitrotoluene	ND I	0.75	mg/kg
2,6-Dinitrotoluene	**1.3**	**0.75**	**mg/kg**
2,4-Dinitrotoluene	**12**	**0.75**	**mg/kg**
2-Nitrotoluene	ND G	1.0	mg/kg
4-Nitrotoluene	ND I	0.75	mg/kg
3-Nitrotoluene	ND I	0.75	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	94	(74 - 121)

NOTE(S):

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

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0004

HPLC

Lot-Sample #...: H1I270167-002 **Work Order #...:** EK7D91A5 **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 5
% Moisture.....: 22 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	2.5	mg/kg
RDX	ND G	4.6	mg/kg
1,3,5-Trinitrobenzene	**25**	**1.2**	**mg/kg**
1,3-Dinitrobenzene	**9.3**	**1.2**	**mg/kg**
Tetryl	ND	3.2	mg/kg
Nitrobenzene	ND	1.2	mg/kg
2,4,6-Trinitrotoluene	ND I	1.2	mg/kg
4-Amino-2,6-dinitrotoluene	ND I	1.2	mg/kg
2-Amino-4,6-dinitrotoluene	ND I	1.2	mg/kg
2,6-Dinitrotoluene	**2.9**	**1.2**	**mg/kg**
2,4-Dinitrotoluene	**26**	**1.2**	**mg/kg**
2-Nitrotoluene	ND G	1.3	mg/kg
4-Nitrotoluene	ND	1.2	mg/kg
3-Nitrotoluene	ND I	1.2	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	88	(74 - 121)

NOTE(S):

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

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0005

HPLC

Lot-Sample #...: H1I270167-003 **Work Order #...:** EK7EH1AL **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/04/01
Prep Batch #...: 1274179
Dilution Factor: 1
% Moisture.....: 13 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	**0.20 J**	**0.25**	**mg/kg**
1,3-Dinitrobenzene	**0.062 J**	**0.25**	**mg/kg**
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	**1.4**	**0.25**	**mg/kg**
4-Amino-2,6-dinitrotoluene	**1.1**	**0.25**	**mg/kg**
2-Amino-4,6-dinitrotoluene	**1.1**	**0.25**	**mg/kg**
2,6-Dinitrotoluene	**0.57**	**0.25**	**mg/kg**
2,4-Dinitrotoluene	**1.3**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	84	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0006

HPLC

Lot-Sample #...:	H1I270167-004	**Work Order #...:**	EK7EM1AL	**Matrix.....:**	SOLID
Date Sampled...:	09/26/01	**Date Received..:**	09/27/01		
Prep Date.....:	10/01/01	**Analysis Date..:**	10/04/01		
Prep Batch #...:	1274179				
Dilution Factor:	1				
% Moisture.....:	22	**Method.....:**	SW846 8330		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND G	0.65	mg/kg
1,3,5-Trinitrobenzene	**5.2**	**0.25**	**mg/kg**
1,3-Dinitrobenzene	**1.1**	**0.25**	**mg/kg**
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	**0.23 J**	**0.25**	**mg/kg**
4-Amino-2,6-dinitrotoluene	**0.27**	**0.25**	**mg/kg**
2-Amino-4,6-dinitrotoluene	**0.16 J**	**0.25**	**mg/kg**
2,6-Dinitrotoluene	**0.25**	**0.25**	**mg/kg**
2,4-Dinitrotoluene	**0.91**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND I	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	84	(74 - 121)

NOTE(S):

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

J Estimated result. Result is less than RL.

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0007

HPLC

Lot-Sample #...: H1I270167-005 **Work Order #...:** EK7EP1AL **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 1000
% Moisture.....: 10 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	500	mg/kg
RDX	ND	500	mg/kg
1,3,5-Trinitrobenzene	ND	250	mg/kg
1,3-Dinitrobenzene	ND	250	mg/kg
Tetryl	ND	650	mg/kg
Nitrobenzene	ND	250	mg/kg
2,4,6-Trinitrotoluene	ND G	490	mg/kg
4-Amino-2,6-dinitrotoluene	ND I	250	mg/kg
2-Amino-4,6-dinitrotoluene	ND	250	mg/kg
2,6-Dinitrotoluene	**5600**	**250**	**mg/kg**
2,4-Dinitrotoluene	**4600**	**250**	**mg/kg**
2-Nitrotoluene	ND	250	mg/kg
4-Nitrotoluene	ND	250	mg/kg
3-Nitrotoluene	ND	250	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(74 - 121)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

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

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0008

HPLC

Lot-Sample #...: H1I270167-006 **Work Order #...:** EK7ET1AL **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1274179
Dilution Factor: 20
% Moisture.....: 9.3 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	10	mg/kg
RDX	ND	10	mg/kg
1,3,5-Trinitrobenzene	ND	5.0	mg/kg
1,3-Dinitrobenzene	ND	5.0	mg/kg
Tetryl	ND	13	mg/kg
Nitrobenzene	ND	5.0	mg/kg
2,4,6-Trinitrotoluene	ND G	27	mg/kg
4-Amino-2,6-dinitrotoluene	ND	5.0	mg/kg
2-Amino-4,6-dinitrotoluene	ND	5.0	mg/kg
2,6-Dinitrotoluene	**6.5**	**5.0**	**mg/kg**
2,4-Dinitrotoluene	**8.0**	**5.0**	**mg/kg**
2-Nitrotoluene	ND	5.0	mg/kg
4-Nitrotoluene	ND	5.0	mg/kg
3-Nitrotoluene	ND	5.0	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(74 - 121)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0009

HPLC

Lot-Sample #...: H1I270167-007 **Work Order #...:** EK7EW1AL **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1274179
Dilution Factor: 2000
% Moisture.....: 13 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	1000	mg/kg
RDX	ND	1000	mg/kg
1,3,5-Trinitrobenzene	ND	500	mg/kg
1,3-Dinitrobenzene	ND	500	mg/kg
Tetryl	ND	1300	mg/kg
Nitrobenzene	ND	500	mg/kg
2,4,6-Trinitrotoluene	**12000**	**500**	**mg/kg**
4-Amino-2,6-dinitrotoluene	ND	500	mg/kg
2-Amino-4,6-dinitrotoluene	ND	500	mg/kg
2,6-Dinitrotoluene	ND	500	mg/kg
2,4-Dinitrotoluene	**130 J**	**500**	**mg/kg**
2-Nitrotoluene	ND	500	mg/kg
4-Nitrotoluene	ND	500	mg/kg
3-Nitrotoluene	ND	500	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(74 - 121)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0010

HPLC

Lot-Sample #...: H1I270167-008 **Work Order #...:** EK7E11AL **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 600
% Moisture.....: 9.5 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	300	mg/kg
RDX	ND	300	mg/kg
1,3,5-Trinitrobenzene	ND	150	mg/kg
1,3-Dinitrobenzene	ND	150	mg/kg
Tetryl	ND	390	mg/kg
Nitrobenzene	ND	150	mg/kg
2,4,6-Trinitrotoluene	**4900**	**150**	**mg/kg**
4-Amino-2,6-dinitrotoluene	ND	150	mg/kg
2-Amino-4,6-dinitrotoluene	ND	150	mg/kg
2,6-Dinitrotoluene	ND	150	mg/kg
2,4-Dinitrotoluene	ND	150	mg/kg
2-Nitrotoluene	ND	150	mg/kg
4-Nitrotoluene	ND	150	mg/kg
3-Nitrotoluene	ND	150	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(74 - 121)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0012

HPLC

Lot-Sample #...: H1I270167-009 **Work Order #...:** EK7E41AL **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 30
% Moisture.....: 11 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	15	mg/kg
RDX	ND	15	mg/kg
1,3,5-Trinitrobenzene	ND	7.5	mg/kg
1,3-Dinitrobenzene	ND	7.5	mg/kg
Tetryl	ND	20	mg/kg
Nitrobenzene	ND	7.5	mg/kg
2,4,6-Trinitrotoluene	**260**	**7.5**	**mg/kg**
4-Amino-2,6-dinitrotoluene	ND	7.5	mg/kg
2-Amino-4,6-dinitrotoluene	ND	7.5	mg/kg
2,6-Dinitrotoluene	ND	7.5	mg/kg
2,4-Dinitrotoluene	ND I	7.5	mg/kg
2-Nitrotoluene	ND	7.5	mg/kg
4-Nitrotoluene	ND	7.5	mg/kg
3-Nitrotoluene	ND	7.5	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(74 - 121)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3026

HPLC

Lot-Sample #...: H1I270167-010 **Work Order #...:** EK7E61A3 **Matrix.....:** WATER
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1275198
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	70	(53 - 133)

METHOD BLANK REPORT

HPLC

Client Lot #...: H1I270167 **Work Order #...:** ELDDC1AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J010000-179

Prep Date.....: 10/01/01
Analysis Date..: 10/05/01 **Prep Batch #...:** 1274179
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	82	(74 - 121)

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: H1I270167 Work Order #...: EK7D91A6-MS Matrix.....: SOLID
MS Lot-Sample #: H1I270167-002 EK7D91A7-MSD
Date Sampled...: 09/26/01 Date Received..: 09/27/01
Prep Date.....: 10/01/01 Analysis Date..: 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 5 % Moisture.....: 22

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	ND	3.00	2.75	mg/kg	92		SW846 8330
	ND	3.00	2.86	mg/kg	95	3.6	SW846 8330
RDX	ND	3.00	6.93	mg/kg	231 a		SW846 8330
	ND	3.00	6.91	mg/kg	230 a	0.23	SW846 8330
1,3,5-Trinitrobenzene	25	3.00	27.4	mg/kg	92		SW846 8330
	25	3.00	26.9	mg/kg	75 a	1.9	SW846 8330
1,3-Dinitrobenzene	9.3	3.00	11.8	mg/kg	84		SW846 8330
	9.3	3.00	11.5	mg/kg	74 a	2.8	SW846 8330
Tetryl	ND	3.00	3.82	mg/kg	127 a		SW846 8330
	ND	3.00	3.76	mg/kg	125	1.6	SW846 8330
Nitrobenzene	ND	3.00	3.66	mg/kg	122 a		SW846 8330
	ND	3.00	3.66	mg/kg	122 a	0.07	SW846 8330
2,4,6-Trinitrotoluene	ND	3.00	3.24	mg/kg	108		SW846 8330
	ND	3.00	3.32	mg/kg	111	2.5	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	3.00	3.63	mg/kg	121		SW846 8330
	ND	3.00	3.69	mg/kg	123	1.5	SW846 8330
2-Amino-4,6-dinitrotoluene	ND	3.00	3.32	mg/kg	111		SW846 8330
	ND	3.00	3.41	mg/kg	114	2.5	SW846 8330
2,6-Dinitrotoluene	2.9	3.00	5.22	mg/kg	79		SW846 8330
	2.9	3.00	5.20	mg/kg	78	0.36	SW846 8330
2,4-Dinitrotoluene	26	3.00	27.7	mg/kg	61 a		SW846 8330
	26	3.00	27.0	mg/kg	37 a	2.7	SW846 8330
2-Nitrotoluene	ND	3.00	4.54	mg/kg	151 a		SW846 8330
	ND	3.00	4.46	mg/kg	149 a	1.6	SW846 8330
4-Nitrotoluene	ND	3.00	3.01	mg/kg	100		SW846 8330
	ND	3.00	3.18	mg/kg	106	5.6	SW846 8330
3-Nitrotoluene	ND	3.00	3.04	mg/kg	101		SW846 8330
	ND	3.00	3.21	mg/kg	107	5.4	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	91	(74 - 121)
	90	(74 - 121)

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.

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: H1I270167 Work Order #...: EK7D91A6-MS Matrix.....: SOLID
MS Lot-Sample #: H1I270167-002 EK7D91A7-MSD
Date Sampled...: 09/26/01 Date Received..: 09/27/01
Prep Date.....: 10/01/01 Analysis Date..: 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 5 % Moisture.....: 22

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**92**	**(68 - 123)**			**SW846 8330**
	95	**(68 - 123)**	**3.6**	**(0-27)**	**SW846 8330**
RDX	**231 a**	**(66 - 118)**			**SW846 8330**
	230 a	**(66 - 118)**	**0.23**	**(0-25)**	**SW846 8330**
1,3,5-Trinitrobenzene	**92**	**(76 - 119)**			**SW846 8330**
	75 a	**(76 - 119)**	**1.9**	**(0-26)**	**SW846 8330**
1,3-Dinitrobenzene	**84**	**(75 - 118)**			**SW846 8330**
	74 a	**(75 - 118)**	**2.8**	**(0-26)**	**SW846 8330**
Tetryl	**127 a**	**(42 - 125)**			**SW846 8330**
	125	**(42 - 125)**	**1.6**	**(0-39)**	**SW846 8330**
Nitrobenzene	**122 a**	**(78 - 115)**			**SW846 8330**
	122 a	**(78 - 115)**	**0.07**	**(0-25)**	**SW846 8330**
2,4,6-Trinitrotoluene	**108**	**(74 - 123)**			**SW846 8330**
	111	**(74 - 123)**	**2.5**	**(0-32)**	**SW846 8330**
4-Amino-2,6- dinitrotoluene	**121**	**(73 - 128)**			**SW846 8330**
	123	**(73 - 128)**	**1.5**	**(0-27)**	**SW846 8330**
2-Amino-4,6- dinitrotoluene	**111**	**(77 - 119)**			**SW846 8330**
	114	**(77 - 119)**	**2.5**	**(0-26)**	**SW846 8330**
2,6-Dinitrotoluene	**79**	**(73 - 125)**			**SW846 8330**
	78	**(73 - 125)**	**0.36**	**(0-27)**	**SW846 8330**
2,4-Dinitrotoluene	**61 a**	**(77 - 119)**			**SW846 8330**
	37 a	**(77 - 119)**	**2.7**	**(0-24)**	**SW846 8330**
2-Nitrotoluene	**151 a**	**(78 - 117)**			**SW846 8330**
	149 a	**(78 - 117)**	**1.6**	**(0-24)**	**SW846 8330**
4-Nitrotoluene	**100**	**(78 - 119)**			**SW846 8330**
	106	**(78 - 119)**	**5.6**	**(0-29)**	**SW846 8330**
3-Nitrotoluene	**101**	**(78 - 118)**			**SW846 8330**
	107	**(78 - 118)**	**5.4**	**(0-23)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	91	(74 - 121)
	90	(74 - 121)

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 DATA REPORT

HPLC

Client Lot #...: H1I270167 Work Order #...: ELDDC1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: H1J010000-179 ELDDC1AD-LCSD
Prep Date.....: 10/01/01 Analysis Date..: 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	**3.00**	**2.93**	**mg/kg**	**98**		**SW846 8330**
	3.00	**2.94**	**mg/kg**	**98**	**0.46**	**SW846 8330**
RDX	**3.00**	**2.92**	**mg/kg**	**97**		**SW846 8330**
	3.00	**2.96**	**mg/kg**	**99**	**1.4**	**SW846 8330**
1,3,5-Trinitrobenzene	**3.00**	**2.84**	**mg/kg**	**95**		**SW846 8330**
	3.00	**2.87**	**mg/kg**	**96**	**1.3**	**SW846 8330**
1,3-Dinitrobenzene	**3.00**	**2.82**	**mg/kg**	**94**		**SW846 8330**
	3.00	**2.85**	**mg/kg**	**95**	**1.0**	**SW846 8330**
Tetryl	**3.00**	**2.50**	**mg/kg**	**83**		**SW846 8330**
	3.00	**2.54**	**mg/kg**	**85**	**1.3**	**SW846 8330**
Nitrobenzene	**3.00**	**2.88**	**mg/kg**	**96**		**SW846 8330**
	3.00	**2.93**	**mg/kg**	**98**	**1.8**	**SW846 8330**
2,4,6-Trinitrotoluene	**3.00**	**2.98**	**mg/kg**	**99**		**SW846 8330**
	3.00	**3.02**	**mg/kg**	**101**	**1.4**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**3.00**	**3.32**	**mg/kg**	**111**		**SW846 8330**
	3.00	**3.33**	**mg/kg**	**111**	**0.25**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**3.00**	**3.03**	**mg/kg**	**101**		**SW846 8330**
	3.00	**3.07**	**mg/kg**	**102**	**1.3**	**SW846 8330**
2,6-Dinitrotoluene	**3.00**	**2.96**	**mg/kg**	**99**		**SW846 8330**
	3.00	**2.96**	**mg/kg**	**99**	**0.13**	**SW846 8330**
2,4-Dinitrotoluene	**3.00**	**2.98**	**mg/kg**	**99**		**SW846 8330**
	3.00	**2.97**	**mg/kg**	**99**	**0.30**	**SW846 8330**
2-Nitrotoluene	**3.00**	**2.89**	**mg/kg**	**96**		**SW846 8330**
	3.00	**2.89**	**mg/kg**	**96**	**0.31**	**SW846 8330**
4-Nitrotoluene	**3.00**	**2.84**	**mg/kg**	**95**		**SW846 8330**
	3.00	**2.91**	**mg/kg**	**97**	**2.6**	**SW846 8330**
3-Nitrotoluene	**3.00**	**2.90**	**mg/kg**	**97**		**SW846 8330**
	3.00	**2.93**	**mg/kg**	**98**	**1.0**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	82	(74 - 121)
	81	(74 - 121)

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 #...: H1I270167 Work Order #...: ELDDC1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: H1J010000-179 ELDDC1AD-LCSD
Prep Date.....: 10/01/01 Analysis Date..: 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**98**	**(76 - 121)**			**SW846 8330**
	98	**(76 - 121)**	**0.46**	**(0-26)**	**SW846 8330**
RDX	**97**	**(79 - 118)**			**SW846 8330**
	99	**(79 - 118)**	**1.4**	**(0-23)**	**SW846 8330**
1,3,5-Trinitrobenzene	**95**	**(76 - 116)**			**SW846 8330**
	96	**(76 - 116)**	**1.3**	**(0-27)**	**SW846 8330**
1,3-Dinitrobenzene	**94**	**(75 - 117)**			**SW846 8330**
	95	**(75 - 117)**	**1.0**	**(0-25)**	**SW846 8330**
Tetryl	**83**	**(42 - 125)**			**SW846 8330**
	85	**(42 - 125)**	**1.3**	**(0-39)**	**SW846 8330**
Nitrobenzene	**96**	**(78 - 115)**			**SW846 8330**
	98	**(78 - 115)**	**1.8**	**(0-22)**	**SW846 8330**
2,4,6-Trinitrotoluene	**99**	**(76 - 118)**			**SW846 8330**
	101	**(76 - 118)**	**1.4**	**(0-26)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**111**	**(80 - 122)**			**SW846 8330**
	111	**(80 - 122)**	**0.25**	**(0-25)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**101**	**(78 - 119)**			**SW846 8330**
	102	**(78 - 119)**	**1.3**	**(0-24)**	**SW846 8330**
2,6-Dinitrotoluene	**99**	**(74 - 122)**			**SW846 8330**
	99	**(74 - 122)**	**0.13**	**(0-24)**	**SW846 8330**
2,4-Dinitrotoluene	**99**	**(78 - 118)**			**SW846 8330**
	99	**(78 - 118)**	**0.30**	**(0-24)**	**SW846 8330**
2-Nitrotoluene	**96**	**(78 - 117)**			**SW846 8330**
	96	**(78 - 117)**	**0.31**	**(0-24)**	**SW846 8330**
4-Nitrotoluene	**95**	**(78 - 118)**			**SW846 8330**
	97	**(78 - 118)**	**2.6**	**(0-26)**	**SW846 8330**
3-Nitrotoluene	**97**	**(78 - 117)**			**SW846 8330**
	98	**(78 - 117)**	**1.0**	**(0-24)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	82	(74 - 121)
	81	(74 - 121)

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 #...: H1I270167 **Work Order #...:** ELEL11AA **Matrix.....:** WATER
MB Lot-Sample #: H1J020000-198

Prep Date.....: 10/02/01
Analysis Date..: 10/04/01 **Prep Batch #...:** 1275198
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	69	(53 - 133)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1I270167 Work Order #...: ELEL11AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J020000-198 ELEL11AD-LCSD
Prep Date.....: 10/02/01 Analysis Date..: 10/04/01
Prep Batch #...: 1275198
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	3.00	3.04	ug/L	101		SW846 8330
	3.00	3.04	ug/L	101	0.010	SW846 8330
RDX	3.00	3.10	ug/L	103		SW846 8330
	3.00	3.12	ug/L	104	0.73	SW846 8330
1,3,5-Trinitrobenzene	3.00	2.92	ug/L	97		SW846 8330
	3.00	2.97	ug/L	99	1.9	SW846 8330
1,3-Dinitrobenzene	3.00	2.76	ug/L	92		SW846 8330
	3.00	2.86	ug/L	95	3.4	SW846 8330
Tetryl	3.00	3.05	ug/L	102		SW846 8330
	3.00	3.09	ug/L	103	1.3	SW846 8330
Nitrobenzene	3.00	2.55	ug/L	85		SW846 8330
	3.00	2.64	ug/L	88	3.4	SW846 8330
2,4,6-Trinitrotoluene	3.00	2.84	ug/L	95		SW846 8330
	3.00	2.91	ug/L	97	2.2	SW846 8330
4-Amino-2,6-dinitrotoluene	3.00	2.75	ug/L	92		SW846 8330
	3.00	2.97	ug/L	99	7.6	SW846 8330
2-Amino-4,6-dinitrotoluene	3.00	2.62	ug/L	87		SW846 8330
	3.00	2.82	ug/L	94	7.1	SW846 8330
2,6-Dinitrotoluene	3.00	2.68	ug/L	89		SW846 8330
	3.00	2.80	ug/L	93	4.2	SW846 8330
2,4-Dinitrotoluene	3.00	2.71	ug/L	90		SW846 8330
	3.00	2.82	ug/L	94	4.0	SW846 8330
2-Nitrotoluene	3.00	2.32	ug/L	77		SW846 8330
	3.00	2.45	ug/L	82	5.4	SW846 8330
4-Nitrotoluene	3.00	2.31	ug/L	77		SW846 8330
	3.00	2.54	ug/L	84	9.1	SW846 8330
3-Nitrotoluene	3.00	2.41	ug/L	80		SW846 8330
	3.00	2.54	ug/L	85	4.9	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	67	(53 - 133)
	73	(53 - 133)

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 #...: H1I270167 Work Order #...: ELEL11AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J020000-198 ELEL11AD-LCSD
Prep Date.....: 10/02/01 Analysis Date..: 10/04/01
Prep Batch #...: 1275198
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**101**	**(68 - 122)**			**SW846 8330**
	101	**(68 - 122)**	**0.010**	**(0-25)**	**SW846 8330**
RDX	**103**	**(71 - 127)**			**SW846 8330**
	104	**(71 - 127)**	**0.73**	**(0-26)**	**SW846 8330**
1,3,5-Trinitrobenzene	**97**	**(70 - 124)**			**SW846 8330**
	99	**(70 - 124)**	**1.9**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**92**	**(72 - 124)**			**SW846 8330**
	95	**(72 - 124)**	**3.4**	**(0-25)**	**SW846 8330**
Tetryl	**102**	**(68 - 123)**			**SW846 8330**
	103	**(68 - 123)**	**1.3**	**(0-26)**	**SW846 8330**
Nitrobenzene	**85**	**(60 - 122)**			**SW846 8330**
	88	**(60 - 122)**	**3.4**	**(0-26)**	**SW846 8330**
2,4,6-Trinitrotoluene	**95**	**(71 - 123)**			**SW846 8330**
	97	**(71 - 123)**	**2.2**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**92**	**(66 - 122)**			**SW846 8330**
	99	**(66 - 122)**	**7.6**	**(0-26)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**87**	**(65 - 124)**			**SW846 8330**
	94	**(65 - 124)**	**7.1**	**(0-26)**	**SW846 8330**
2,6-Dinitrotoluene	**89**	**(66 - 129)**			**SW846 8330**
	93	**(66 - 129)**	**4.2**	**(0-26)**	**SW846 8330**
2,4-Dinitrotoluene	**90**	**(70 - 125)**			**SW846 8330**
	94	**(70 - 125)**	**4.0**	**(0-26)**	**SW846 8330**
2-Nitrotoluene	**77**	**(54 - 121)**			**SW846 8330**
	82	**(54 - 121)**	**5.4**	**(0-27)**	**SW846 8330**
4-Nitrotoluene	**77**	**(59 - 123)**			**SW846 8330**
	84	**(59 - 123)**	**9.1**	**(0-27)**	**SW846 8330**
3-Nitrotoluene	**80**	**(58 - 124)**			**SW846 8330**
	85	**(58 - 124)**	**4.9**	**(0-27)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	67	(53 - 133)
	73	(53 - 133)

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: BD0005

HPLC

Lot-Sample #...: H1I270167-003 **Work Order #...:** EK7EH2A6 **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284198
Dilution Factor: 200
% Moisture.....: 13 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	ND	40	ug/L
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	ND	40	ug/L
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	ND	40	ug/L
2,4-Dinitrotoluene	ND	40	ug/L
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	95	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0006

HPLC

Lot-Sample #...: H1I270167-004 **Work Order #...:** EK7EM2A6 **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284198
Dilution Factor: 200
% Moisture.....: 22 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	**26 J**	**40**	**ug/L**
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	ND	40	ug/L
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	ND	40	ug/L
2,4-Dinitrotoluene	ND	40	ug/L
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	88	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0007

HPLC

Lot-Sample #...: H1I270167-005 **Work Order #...:** EK7EP2A6 **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/12/01
Prep Batch #...: 1284198
Dilution Factor: 20000
% Moisture.....: 10 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	10000	ug/L
RDX	ND	10000	ug/L
1,3,5-Trinitrobenzene	ND	4000	ug/L
1,3-Dinitrobenzene	ND	4000	ug/L
Tetryl	ND	4000	ug/L
Nitrobenzene	ND	4000	ug/L
2,4,6-Trinitrotoluene	**17000**	**4000**	**ug/L**
4-Amino-2,6-dinitrotoluene	ND	4000	ug/L
2-Amino-4,6-dinitrotoluene	ND	4000	ug/L
2,6-Dinitrotoluene	**110000**	**4000**	**ug/L**
2,4-Dinitrotoluene	**140000 B**	**4000**	**ug/L**
2-Nitrotoluene	ND	4000	ug/L
4-Nitrotoluene	ND	4000	ug/L
3-Nitrotoluene	ND	4000	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(74 - 121)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0008

HPLC

Lot-Sample #...: H1I270167-006 **Work Order #...:** EK7ET2A6 **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284198
Dilution Factor: 200
% Moisture.....: 9.3 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	ND	40	ug/L
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	ND G	1200	ug/L
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	**57**	**40**	**ug/L**
2,4-Dinitrotoluene	**84 B**	**40**	**ug/L**
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	87	(74 - 121)

NOTE(S):

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

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0009

HPLC

Lot-Sample #...: H1I270167-007 **Work Order #...:** EK7EW2A6 **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/12/01
Prep Batch #...: 1284198
Dilution Factor: 20000
% Moisture.....: 13 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	10000	ug/L
RDX	ND	10000	ug/L
1,3,5-Trinitrobenzene	ND	4000	ug/L
1,3-Dinitrobenzene	ND	4000	ug/L
Tetryl	ND	4000	ug/L
Nitrobenzene	ND	4000	ug/L
2,4,6-Trinitrotoluene	**80000**	**4000**	**ug/L**
4-Amino-2,6-dinitrotoluene	ND	4000	ug/L
2-Amino-4,6-dinitrotoluene	ND	4000	ug/L
2,6-Dinitrotoluene	ND	4000	ug/L
2,4-Dinitrotoluene	ND	4000	ug/L
2-Nitrotoluene	ND	4000	ug/L
4-Nitrotoluene	ND	4000	ug/L
3-Nitrotoluene	ND	4000	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(74 - 121)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0010

HPLC

Lot-Sample #...: H1I270167-008 **Work Order #...:** EK7E12A6 **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/12/01
Prep Batch #...: 1284198
Dilution Factor: 20000
% Moisture.....: 9.5 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	10000	ug/L
RDX	ND	10000	ug/L
1,3,5-Trinitrobenzene	ND	4000	ug/L
1,3-Dinitrobenzene	ND	4000	ug/L
Tetryl	ND	4000	ug/L
Nitrobenzene	ND	4000	ug/L
2,4,6-Trinitrotoluene	**78000**	**4000**	**ug/L**
4-Amino-2,6-dinitrotoluene	ND	4000	ug/L
2-Amino-4,6-dinitrotoluene	ND	4000	ug/L
2,6-Dinitrotoluene	ND	4000	ug/L
2,4-Dinitrotoluene	ND	4000	ug/L
2-Nitrotoluene	ND	4000	ug/L
4-Nitrotoluene	ND	4000	ug/L
3-Nitrotoluene	ND	4000	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(74 - 121)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0012

HPLC

Lot-Sample #...: H1I270167-009 **Work Order #...:** EK7E42A6 **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/12/01
Prep Batch #...: 1284198
Dilution Factor: 1000
% Moisture.....: 11 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	500	ug/L
RDX	ND	500	ug/L
1,3,5-Trinitrobenzene	ND	200	ug/L
1,3-Dinitrobenzene	ND	200	ug/L
Tetryl	ND	200	ug/L
Nitrobenzene	ND	200	ug/L
2,4,6-Trinitrotoluene	**4400**	**200**	**ug/L**
4-Amino-2,6-dinitrotoluene	ND	200	ug/L
2-Amino-4,6-dinitrotoluene	ND	200	ug/L
2,6-Dinitrotoluene	ND	200	ug/L
2,4-Dinitrotoluene	ND	200	ug/L
2-Nitrotoluene	ND	200	ug/L
4-Nitrotoluene	ND	200	ug/L
3-Nitrotoluene	ND	200	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	97	(74 - 121)

METHOD BLANK REPORT

HPLC

Client Lot #...: H1I270167 **Work Order #...:** ELXWA1AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J110000-198

Prep Date.....: 10/11/01
Analysis Date..: 10/11/01 **Prep Batch #...:** 1284198
Dilution Factor: 200

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
HMX	ND	100	ug/L	SW846 8330
RDX	ND	100	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	40	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	40	ug/L	SW846 8330
Tetryl	ND	40	ug/L	SW846 8330
Nitrobenzene	ND	40	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	40	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	40	ug/L	SW846 8330
2-Amino-4,6-dinitrotoluene	ND	40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	40	ug/L	SW846 8330
2,4-Dinitrotoluene	**22 J**	**40**	**ug/L**	**SW846 8330**
2-Nitrotoluene	ND	40	ug/L	SW846 8330
4-Nitrotoluene	ND	40	ug/L	SW846 8330
3-Nitrotoluene	ND	40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	87	(74 - 121)

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 DATA REPORT

HPLC

Client Lot #...: H1I270167 Work Order #...: ELEL11AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J020000-198 ELEL11AD-LCSD
Prep Date.....: 10/02/01 Analysis Date..: 10/04/01
Prep Batch #...: 1275198
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	**3.00**	**3.04**	**ug/L**	**101**		**SW846 8330**
	3.00	**3.04**	**ug/L**	**101**	**0.010**	**SW846 8330**
RDX	**3.00**	**3.10**	**ug/L**	**103**		**SW846 8330**
	3.00	**3.12**	**ug/L**	**104**	**0.73**	**SW846 8330**
1,3,5-Trinitrobenzene	**3.00**	**2.92**	**ug/L**	**97**		**SW846 8330**
	3.00	**2.97**	**ug/L**	**99**	**1.9**	**SW846 8330**
1,3-Dinitrobenzene	**3.00**	**2.76**	**ug/L**	**92**		**SW846 8330**
	3.00	**2.86**	**ug/L**	**95**	**3.4**	**SW846 8330**
Tetryl	**3.00**	**3.05**	**ug/L**	**102**		**SW846 8330**
	3.00	**3.09**	**ug/L**	**103**	**1.3**	**SW846 8330**
Nitrobenzene	**3.00**	**2.55**	**ug/L**	**85**		**SW846 8330**
	3.00	**2.64**	**ug/L**	**88**	**3.4**	**SW846 8330**
2,4,6-Trinitrotoluene	**3.00**	**2.84**	**ug/L**	**95**		**SW846 8330**
	3.00	**2.91**	**ug/L**	**97**	**2.2**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**3.00**	**2.75**	**ug/L**	**92**		**SW846 8330**
	3.00	**2.97**	**ug/L**	**99**	**7.6**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**3.00**	**2.62**	**ug/L**	**87**		**SW846 8330**
	3.00	**2.82**	**ug/L**	**94**	**7.1**	**SW846 8330**
2,6-Dinitrotoluene	**3.00**	**2.68**	**ug/L**	**89**		**SW846 8330**
	3.00	**2.80**	**ug/L**	**93**	**4.2**	**SW846 8330**
2,4-Dinitrotoluene	**3.00**	**2.71**	**ug/L**	**90**		**SW846 8330**
	3.00	**2.82**	**ug/L**	**94**	**4.0**	**SW846 8330**
2-Nitrotoluene	**3.00**	**2.32**	**ug/L**	**77**		**SW846 8330**
	3.00	**2.45**	**ug/L**	**82**	**5.4**	**SW846 8330**
4-Nitrotoluene	**3.00**	**2.31**	**ug/L**	**77**		**SW846 8330**
	3.00	**2.54**	**ug/L**	**84**	**9.1**	**SW846 8330**
3-Nitrotoluene	**3.00**	**2.41**	**ug/L**	**80**		**SW846 8330**
	3.00	**2.54**	**ug/L**	**85**	**4.9**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	67	(53 - 133)
	73	(53 - 133)

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 #...: H1I270167 Work Order #...: ELEL11AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J020000-198 ELEL11AD-LCSD
Prep Date.....: 10/02/01 Analysis Date..: 10/04/01
Prep Batch #...: 1275198
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**101**	**(68 - 122)**			**SW846 8330**
	101	**(68 - 122)**	**0.010**	**(0-25)**	**SW846 8330**
RDX	**103**	**(71 - 127)**			**SW846 8330**
	104	**(71 - 127)**	**0.73**	**(0-26)**	**SW846 8330**
1,3,5-Trinitrobenzene	**97**	**(70 - 124)**			**SW846 8330**
	99	**(70 - 124)**	**1.9**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**92**	**(72 - 124)**			**SW846 8330**
	95	**(72 - 124)**	**3.4**	**(0-25)**	**SW846 8330**
Tetryl	**102**	**(68 - 123)**			**SW846 8330**
	103	**(68 - 123)**	**1.3**	**(0-26)**	**SW846 8330**
Nitrobenzene	**85**	**(60 - 122)**			**SW846 8330**
	88	**(60 - 122)**	**3.4**	**(0-26)**	**SW846 8330**
2,4,6-Trinitrotoluene	**95**	**(71 - 123)**			**SW846 8330**
	97	**(71 - 123)**	**2.2**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**92**	**(66 - 122)**			**SW846 8330**
	99	**(66 - 122)**	**7.6**	**(0-26)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**87**	**(65 - 124)**			**SW846 8330**
	94	**(65 - 124)**	**7.1**	**(0-26)**	**SW846 8330**
2,6-Dinitrotoluene	**89**	**(66 - 129)**			**SW846 8330**
	93	**(66 - 129)**	**4.2**	**(0-26)**	**SW846 8330**
2,4-Dinitrotoluene	**90**	**(70 - 125)**			**SW846 8330**
	94	**(70 - 125)**	**4.0**	**(0-26)**	**SW846 8330**
2-Nitrotoluene	**77**	**(54 - 121)**			**SW846 8330**
	82	**(54 - 121)**	**5.4**	**(0-27)**	**SW846 8330**
4-Nitrotoluene	**77**	**(59 - 123)**			**SW846 8330**
	84	**(59 - 123)**	**9.1**	**(0-27)**	**SW846 8330**
3-Nitrotoluene	**80**	**(58 - 124)**			**SW846 8330**
	85	**(58 - 124)**	**4.9**	**(0-27)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	67	(53 - 133)
	73	(53 - 133)

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: BD0003

TOTAL Metals

Lot-Sample #...: H1I270167-001 Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 18

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	10700	24.2	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1AF
		Dilution Factor: 1		Analysis Time..: 14:06		
Antimony	0.60 B	7.3	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1AG
		Dilution Factor: 1		Analysis Time..: 14:06		
Arsenic	11.6	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1AH
		Dilution Factor: 1		Analysis Time..: 14:06		
Barium	112	24.2	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1AJ
		Dilution Factor: 1		Analysis Time..: 14:06		
Beryllium	0.76	0.61	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1AK
		Dilution Factor: 1		Analysis Time..: 14:06		
Cadmium	0.16 B	0.61	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1AL
		Dilution Factor: 1		Analysis Time..: 14:06		
Calcium	5700	606	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1AM
		Dilution Factor: 1		Analysis Time..: 14:06		
Chromium	17.4	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1AN
		Dilution Factor: 1		Analysis Time..: 14:06		
Cobalt	7.6	6.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1AP
		Dilution Factor: 1		Analysis Time..: 14:06		
Copper	19.5	3.0	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1AQ
		Dilution Factor: 1		Analysis Time..: 14:06		
Iron	25200	12.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1AR
		Dilution Factor: 1		Analysis Time..: 14:06		
Lead	14.7	0.36	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1AT
		Dilution Factor: 1		Analysis Time..: 14:06		
Magnesium	3220	606	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1AU
		Dilution Factor: 1		Analysis Time..: 14:06		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0003

TOTAL Metals

Lot-Sample #...: H1I270167-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	474	1.8	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1AV
		Dilution Factor: 1		Analysis Time..: 14:06		
Nickel	24.9	4.8	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1AW
		Dilution Factor: 1		Analysis Time..: 14:06		
Potassium	739	606	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1AX
		Dilution Factor: 1		Analysis Time..: 14:06		
Selenium	ND	0.61	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1A0
		Dilution Factor: 1		Analysis Time..: 14:06		
Silver	ND	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1A1
		Dilution Factor: 1		Analysis Time..: 14:06		
Sodium	3500	606	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1A2
		Dilution Factor: 1		Analysis Time..: 14:06		
Thallium	0.78 B	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1A3
		Dilution Factor: 1		Analysis Time..: 14:06		
Vanadium	29.1	6.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1A4
		Dilution Factor: 1		Analysis Time..: 14:06		
Zinc	56.2	2.4	mg/kg	SW846 6010B	10/02-10/03/01	EK7DP1A5
		Dilution Factor: 1		Analysis Time..: 14:06		
Prep Batch #...: 1275387						
Mercury	0.014 B	0.040	mg/kg	SW846 7471A	10/03/01	EK7DP1AA
		Dilution Factor: 1		Analysis Time..: 11:02		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0004

TOTAL Metals

Lot-Sample #...: H1I270167-002 Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 22

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	13500	25.7	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91A8
		Dilution Factor: 1		Analysis Time..: 14:10		
Antimony	0.71 B	7.7	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91CC
		Dilution Factor: 1		Analysis Time..: 14:10		
Arsenic	18.3	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91CF
		Dilution Factor: 1		Analysis Time..: 14:10		
Barium	103	25.7	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91CJ
		Dilution Factor: 1		Analysis Time..: 14:10		
Beryllium	0.90	0.64	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91CM
		Dilution Factor: 1		Analysis Time..: 14:10		
Cadmium	0.45 B	0.64	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91CQ
		Dilution Factor: 1		Analysis Time..: 14:10		
Calcium	14200	643	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91CU
		Dilution Factor: 1		Analysis Time..: 14:10		
Chromium	21.8	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91CX
		Dilution Factor: 1		Analysis Time..: 14:10		
Cobalt	10.9	6.4	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91C2
		Dilution Factor: 1		Analysis Time..: 14:10		
Copper	27.8	3.2	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91C5
		Dilution Factor: 1		Analysis Time..: 14:10		
Iron	32700	12.9	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91C8
		Dilution Factor: 1		Analysis Time..: 14:10		
Lead	14.3	0.39	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91DC
		Dilution Factor: 1		Analysis Time..: 14:10		
Magnesium	8860	643	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91DF
		Dilution Factor: 1		Analysis Time..: 14:10		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0004

TOTAL Metals

Lot-Sample #...: H1I270167-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	710	1.9	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91DJ
		Dilution Factor: 1		Analysis Time..: 14:10		
Nickel	35.7	5.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91DM
		Dilution Factor: 1		Analysis Time..: 14:10		
Potassium	1800	643	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91DQ
		Dilution Factor: 1		Analysis Time..: 14:10		
Selenium	ND	0.64	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91AA
		Dilution Factor: 1		Analysis Time..: 14:10		
Silver	ND	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91AE
		Dilution Factor: 1		Analysis Time..: 14:10		
Sodium	5170	643	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91AH
		Dilution Factor: 1		Analysis Time..: 14:10		
Thallium	1.1 B	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91AL
		Dilution Factor: 1		Analysis Time..: 14:10		
Vanadium	31.5	6.4	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91AP
		Dilution Factor: 1		Analysis Time..: 14:10		
Zinc	84.4	2.6	mg/kg	SW846 6010B	10/02-10/03/01	EK7D91AT
		Dilution Factor: 1		Analysis Time..: 14:10		
Prep Batch #...: 1275387						
Mercury	0.025 B	0.042	mg/kg	SW846 7471A	10/03/01	EK7D91AW
		Dilution Factor: 1		Analysis Time..: 11:04		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0005

TOTAL Metals

Lot-Sample #...: H1I270167-003 Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 13

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	8410	23.0	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1AM
		Dilution Factor: 1		Analysis Time..: 14:37		
Antimony	ND	6.9	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1AN
		Dilution Factor: 1		Analysis Time..: 14:37		
Arsenic	4.7	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1AP
		Dilution Factor: 1		Analysis Time..: 14:37		
Barium	51.4	23.0	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1AQ
		Dilution Factor: 1		Analysis Time..: 14:37		
Beryllium	0.55 B	0.57	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1AR
		Dilution Factor: 1		Analysis Time..: 14:37		
Cadmium	0.18 B	0.57	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1AT
		Dilution Factor: 1		Analysis Time..: 14:37		
Calcium	8830	575	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1AU
		Dilution Factor: 1		Analysis Time..: 14:37		
Chromium	13.0	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1AV
		Dilution Factor: 1		Analysis Time..: 14:37		
Cobalt	5.5 B	5.7	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1AW
		Dilution Factor: 1		Analysis Time..: 14:37		
Copper	9.9	2.9	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1AX
		Dilution Factor: 1		Analysis Time..: 14:37		
Iron	14300	11.5	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1A0
		Dilution Factor: 1		Analysis Time..: 14:37		
Lead	9.2	0.34	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1A1
		Dilution Factor: 1		Analysis Time..: 14:37		
Magnesium	3790	575	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1A2
		Dilution Factor: 1		Analysis Time..: 14:37		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0005

TOTAL Metals

Lot-Sample #...: H1I270167-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	309	1.7	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1A3
		Dilution Factor: 1		Analysis Time..: 14:37		
Nickel	14.1	4.6	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1A4
		Dilution Factor: 1		Analysis Time..: 14:37		
Potassium	759	575	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1A5
		Dilution Factor: 1		Analysis Time..: 14:37		
Selenium	ND	0.57	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1AA
		Dilution Factor: 1		Analysis Time..: 14:37		
Silver	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1AC
		Dilution Factor: 1		Analysis Time..: 14:37		
Sodium	1250	575	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1AD
		Dilution Factor: 1		Analysis Time..: 14:37		
Thallium	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1AE
		Dilution Factor: 1		Analysis Time..: 14:37		
Vanadium	16.7	5.7	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1AF
		Dilution Factor: 1		Analysis Time..: 14:37		
Zinc	48.2	2.3	mg/kg	SW846 6010B	10/02-10/03/01	EK7EH1AG
		Dilution Factor: 1		Analysis Time..: 14:37		
Prep Batch #...: 1275387						
Mercury	0.015 B	0.038	mg/kg	SW846 7471A	10/03/01	EK7EH1AH
		Dilution Factor: 1		Analysis Time..: 11:10		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0006

TOTAL Metals

Lot-Sample #...: H1I270167-004 Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 22

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	7960	25.6	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1AM
		Dilution Factor: 1		Analysis Time..: 14:41		
Antimony	ND	7.7	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1AN
		Dilution Factor: 1		Analysis Time..: 14:41		
Arsenic	6.7	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1AP
		Dilution Factor: 1		Analysis Time..: 14:41		
Barium	54.0	25.6	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1AQ
		Dilution Factor: 1		Analysis Time..: 14:41		
Beryllium	0.57 B	0.64	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1AR
		Dilution Factor: 1		Analysis Time..: 14:41		
Cadmium	0.34 B	0.64	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1AT
		Dilution Factor: 1		Analysis Time..: 14:41		
Calcium	38600	639	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1AU
		Dilution Factor: 1		Analysis Time..: 14:41		
Chromium	13.5	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1AV
		Dilution Factor: 1		Analysis Time..: 14:41		
Cobalt	9.4	6.4	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1AW
		Dilution Factor: 1		Analysis Time..: 14:41		
Copper	20.7	3.2	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1AX
		Dilution Factor: 1		Analysis Time..: 14:41		
Iron	18700	12.8	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1A0
		Dilution Factor: 1		Analysis Time..: 14:41		
Lead	10.2	0.38	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1A1
		Dilution Factor: 1		Analysis Time..: 14:41		
Magnesium	13800	639	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1A2
		Dilution Factor: 1		Analysis Time..: 14:41		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0006

TOTAL Metals

Lot-Sample #...: H1I270167-004 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	413	1.9	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1A3
		Dilution Factor: 1		Analysis Time..: 14:41		
Nickel	25.2	5.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1A4
		Dilution Factor: 1		Analysis Time..: 14:41		
Potassium	1540	639	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1A5
		Dilution Factor: 1		Analysis Time..: 14:41		
Selenium	ND	0.64	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1AA
		Dilution Factor: 1		Analysis Time..: 14:41		
Silver	ND	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1AC
		Dilution Factor: 1		Analysis Time..: 14:41		
Sodium	1480	639	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1AD
		Dilution Factor: 1		Analysis Time..: 14:41		
Thallium	0.80 B	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1AE
		Dilution Factor: 1		Analysis Time..: 14:41		
Vanadium	19.8	6.4	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1AF
		Dilution Factor: 1		Analysis Time..: 14:41		
Zinc	64.2	2.6	mg/kg	SW846 6010B	10/02-10/03/01	EK7EM1AG
		Dilution Factor: 1		Analysis Time..: 14:41		
Prep Batch #...: 1275387						
Mercury	0.013 B	0.042	mg/kg	SW846 7471A	10/03/01	EK7EM1AH
		Dilution Factor: 1		Analysis Time..: 11:12		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0007

TOTAL Metals

Lot-Sample #...: H1I270167-005 Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 10

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	3080	22.3	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1AM
		Dilution Factor: 1		Analysis Time..: 14:46		
Antimony	ND	6.7	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1AN
		Dilution Factor: 1		Analysis Time..: 14:46		
Arsenic	6.6	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1AP
		Dilution Factor: 1		Analysis Time..: 14:46		
Barium	24.2	22.3	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1AQ
		Dilution Factor: 1		Analysis Time..: 14:46		
Beryllium	0.22 B	0.56	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1AR
		Dilution Factor: 1		Analysis Time..: 14:46		
Cadmium	ND	0.56	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1AT
		Dilution Factor: 1		Analysis Time..: 14:46		
Calcium	2430	558	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1AU
		Dilution Factor: 1		Analysis Time..: 14:46		
Chromium	6.0	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1AV
		Dilution Factor: 1		Analysis Time..: 14:46		
Cobalt	3.4 B	5.6	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1AW
		Dilution Factor: 1		Analysis Time..: 14:46		
Copper	10.3	2.8	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1AX
		Dilution Factor: 1		Analysis Time..: 14:46		
Iron	20500	11.2	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1A0
		Dilution Factor: 1		Analysis Time..: 14:46		
Lead	43.3	0.33	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1A1
		Dilution Factor: 1		Analysis Time..: 14:46		
Magnesium	796	558	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1A2
		Dilution Factor: 1		Analysis Time..: 14:46		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0007

TOTAL Metals

Lot-Sample #...: H1I270167-005 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	101	1.7	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1A3
		Dilution Factor: 1		Analysis Time..: 14:46		
Nickel	9.4	4.5	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1A4
		Dilution Factor: 1		Analysis Time..: 14:46		
Potassium	425 B	558	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1A5
		Dilution Factor: 1		Analysis Time..: 14:46		
Selenium	ND	0.56	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1AA
		Dilution Factor: 1		Analysis Time..: 14:46		
Silver	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1AC
		Dilution Factor: 1		Analysis Time..: 14:46		
Sodium	ND	558	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1AD
		Dilution Factor: 1		Analysis Time..: 14:46		
Thallium	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1AE
		Dilution Factor: 1		Analysis Time..: 14:46		
Vanadium	19.3	5.6	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1AF
		Dilution Factor: 1		Analysis Time..: 14:46		
Zinc	65.9	2.2	mg/kg	SW846 6010B	10/02-10/03/01	EK7EP1AG
		Dilution Factor: 1		Analysis Time..: 14:46		
Prep Batch #...: 1275387						
Mercury	ND	0.037	mg/kg	SW846 7471A	10/03/01	EK7EP1AH
		Dilution Factor: 1		Analysis Time..: 11:14		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0008

TOTAL Metals

Lot-Sample #...: H1I270167-006 Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 9.3

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	3370	22.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1AM
		Dilution Factor: 1		Analysis Time..: 14:50		
Antimony	0.61 B	6.6	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1AN
		Dilution Factor: 1		Analysis Time..: 14:50		
Arsenic	9.8	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1AP
		Dilution Factor: 1		Analysis Time..: 14:50		
Barium	16.3 B	22.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1AQ
		Dilution Factor: 1		Analysis Time..: 14:50		
Beryllium	0.40 B	0.55	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1AR
		Dilution Factor: 1		Analysis Time..: 14:50		
Cadmium	0.66	0.55	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1AT
		Dilution Factor: 1		Analysis Time..: 14:50		
Calcium	146000	5510	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1AU
		Dilution Factor: 10		Analysis Time..: 17:01		
Chromium	5.5	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1AV
		Dilution Factor: 1		Analysis Time..: 14:50		
Cobalt	7.0	5.5	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1AW
		Dilution Factor: 1		Analysis Time..: 14:50		
Copper	19.9	2.8	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1AX
		Dilution Factor: 1		Analysis Time..: 14:50		
Iron	26100	11.0	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1A0
		Dilution Factor: 1		Analysis Time..: 14:50		
Lead	10.8	0.33	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1A1
		Dilution Factor: 1		Analysis Time..: 14:50		
Magnesium	44400	551	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1A2
		Dilution Factor: 1		Analysis Time..: 14:50		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0008

TOTAL Metals

Lot-Sample #...: H1I270167-006 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	1390	1.7	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1A3
		Dilution Factor: 1		Analysis Time..: 14:50		
Nickel	23.8	4.4	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1A4
		Dilution Factor: 1		Analysis Time..: 14:50		
Potassium	938	551	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1A5
		Dilution Factor: 1		Analysis Time..: 14:50		
Selenium	ND	0.55	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1AA
		Dilution Factor: 1		Analysis Time..: 14:50		
Silver	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1AC
		Dilution Factor: 1		Analysis Time..: 14:50		
Sodium	155 B	551	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1AD
		Dilution Factor: 1		Analysis Time..: 14:50		
Thallium	1.0 B	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1AE
		Dilution Factor: 1		Analysis Time..: 14:50		
Vanadium	9.9	5.5	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1AF
		Dilution Factor: 1		Analysis Time..: 14:50		
Zinc	111	2.2	mg/kg	SW846 6010B	10/02-10/03/01	EK7ET1AG
		Dilution Factor: 1		Analysis Time..: 14:50		
Prep Batch #...: 1275387						
Mercury	0.036	0.036	mg/kg	SW846 7471A	10/03/01	EK7ET1AH
		Dilution Factor: 1		Analysis Time..: 11:16		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0009

TOTAL Metals

Lot-Sample #...: H1I270167-007 Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 13

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	3680	23.0	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1AM
		Dilution Factor: 1		Analysis Time..: 14:58		
Antimony	ND	6.9	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1AN
		Dilution Factor: 1		Analysis Time..: 14:58		
Arsenic	3.0	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1AP
		Dilution Factor: 1		Analysis Time..: 14:58		
Barium	41.7	23.0	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1AQ
		Dilution Factor: 1		Analysis Time..: 14:58		
Beryllium	0.31 B	0.57	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1AR
		Dilution Factor: 1		Analysis Time..: 14:58		
Cadmium	0.31 B	0.57	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1AT
		Dilution Factor: 1		Analysis Time..: 14:58		
Calcium	34000	574	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1AU
		Dilution Factor: 1		Analysis Time..: 14:58		
Chromium	8.1	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1AV
		Dilution Factor: 1		Analysis Time..: 14:58		
Cobalt	3.8 B	5.7	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1AW
		Dilution Factor: 1		Analysis Time..: 14:58		
Copper	7.2	2.9	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1AX
		Dilution Factor: 1		Analysis Time..: 14:58		
Iron	9780	11.5	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1A0
		Dilution Factor: 1		Analysis Time..: 14:58		
Lead	60.4	0.34	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1A1
		Dilution Factor: 1		Analysis Time..: 14:58		
Magnesium	3990	574	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1A2
		Dilution Factor: 1		Analysis Time..: 14:58		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0009

TOTAL Metals

Lot-Sample #...: H1I270167-007 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	177	1.7	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1A3
		Dilution Factor: 1		Analysis Time..: 14:58		
Nickel	9.4	4.6	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1A4
		Dilution Factor: 1		Analysis Time..: 14:58		
Potassium	624	574	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1A5
		Dilution Factor: 1		Analysis Time..: 14:58		
Selenium	ND	0.57	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1AA
		Dilution Factor: 1		Analysis Time..: 14:58		
Silver	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1AC
		Dilution Factor: 1		Analysis Time..: 14:58		
Sodium	73.6 B	574	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1AD
		Dilution Factor: 1		Analysis Time..: 14:58		
Thallium	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1AE
		Dilution Factor: 1		Analysis Time..: 14:58		
Vanadium	14.5	5.7	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1AF
		Dilution Factor: 1		Analysis Time..: 14:58		
Zinc	63.4	2.3	mg/kg	SW846 6010B	10/02-10/03/01	EK7EW1AG
		Dilution Factor: 1		Analysis Time..: 14:58		
Prep Batch #...: 1275387						
Mercury	0.051	0.038	mg/kg	SW846 7471A	10/03/01	EK7EW1AH
		Dilution Factor: 1		Analysis Time..: 11:22		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0010

TOTAL Metals

Lot-Sample #...: H1I270167-008 Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 9.5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	3490	22.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11AM
		Dilution Factor: 1		Analysis Time..: 15:03		
Antimony	ND	6.6	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11AN
		Dilution Factor: 1		Analysis Time..: 15:03		
Arsenic	3.2	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11AP
		Dilution Factor: 1		Analysis Time..: 15:03		
Barium	19.8 B	22.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11AQ
		Dilution Factor: 1		Analysis Time..: 15:03		
Beryllium	0.30 B	0.55	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11AR
		Dilution Factor: 1		Analysis Time..: 15:03		
Cadmium	0.40 B	0.55	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11AT
		Dilution Factor: 1		Analysis Time..: 15:03		
Calcium	33100	552	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11AU
		Dilution Factor: 1		Analysis Time..: 15:03		
Chromium	7.8	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11AV
		Dilution Factor: 1		Analysis Time..: 15:03		
Cobalt	3.7 B	5.5	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11AW
		Dilution Factor: 1		Analysis Time..: 15:03		
Copper	9.5	2.8	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11AX
		Dilution Factor: 1		Analysis Time..: 15:03		
Iron	9150	11.0	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11A0
		Dilution Factor: 1		Analysis Time..: 15:03		
Lead	63.0	0.33	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11A1
		Dilution Factor: 1		Analysis Time..: 15:03		
Magnesium	3370	552	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11A2
		Dilution Factor: 1		Analysis Time..: 15:03		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0010

TOTAL Metals

Lot-Sample #...: H1I270167-008 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	221	1.7	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11A3
		Dilution Factor: 1		Analysis Time..: 15:03		
Nickel	9.2	4.4	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11A4
		Dilution Factor: 1		Analysis Time..: 15:03		
Potassium	459 B	552	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11A5
		Dilution Factor: 1		Analysis Time..: 15:03		
Selenium	ND	0.55	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11AA
		Dilution Factor: 1		Analysis Time..: 15:03		
Silver	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11AC
		Dilution Factor: 1		Analysis Time..: 15:03		
Sodium	ND	552	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11AD
		Dilution Factor: 1		Analysis Time..: 15:03		
Thallium	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11AE
		Dilution Factor: 1		Analysis Time..: 15:03		
Vanadium	13.0	5.5	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11AF
		Dilution Factor: 1		Analysis Time..: 15:03		
Zinc	74.1	2.2	mg/kg	SW846 6010B	10/02-10/03/01	EK7E11AG
		Dilution Factor: 1		Analysis Time..: 15:03		
Prep Batch #...: 1275387						
Mercury	0.14	0.036	mg/kg	SW846 7471A	10/03/01	EK7E11AH
		Dilution Factor: 1		Analysis Time..: 11:24		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0012

TOTAL Metals

Lot-Sample #...: H1I270167-009 Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 11

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	11200	22.5	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41AM
		Dilution Factor: 1		Analysis Time..: 15:07		
Antimony	ND	6.7	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41AN
		Dilution Factor: 1		Analysis Time..: 15:07		
Arsenic	8.2	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41AP
		Dilution Factor: 1		Analysis Time..: 15:07		
Barium	16.6 B	22.5	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41AQ
		Dilution Factor: 1		Analysis Time..: 15:07		
Beryllium	0.70	0.56	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41AR
		Dilution Factor: 1		Analysis Time..: 15:07		
Cadmium	0.093 B	0.56	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41AT
		Dilution Factor: 1		Analysis Time..: 15:07		
Calcium	47500	562	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41AU
		Dilution Factor: 1		Analysis Time..: 15:07		
Chromium	21.0	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41AV
		Dilution Factor: 1		Analysis Time..: 15:07		
Cobalt	17.2	5.6	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41AW
		Dilution Factor: 1		Analysis Time..: 15:07		
Copper	12.8	2.8	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41AX
		Dilution Factor: 1		Analysis Time..: 15:07		
Iron	22900	11.2	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41A0
		Dilution Factor: 1		Analysis Time..: 15:07		
Lead	8.0	0.34	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41A1
		Dilution Factor: 1		Analysis Time..: 15:07		
Magnesium	8740	562	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41A2
		Dilution Factor: 1		Analysis Time..: 15:07		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0012

TOTAL Metals

Lot-Sample #...: H1I270167-009 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	512	1.7	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41A3
		Dilution Factor: 1		Analysis Time..: 15:07		
Nickel	44.6	4.5	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41A4
		Dilution Factor: 1		Analysis Time..: 15:07		
Potassium	2900	562	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41A5
		Dilution Factor: 1		Analysis Time..: 15:07		
Selenium	ND	0.56	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41AA
		Dilution Factor: 1		Analysis Time..: 15:07		
Silver	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41AC
		Dilution Factor: 1		Analysis Time..: 15:07		
Sodium	274 B	562	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41AD
		Dilution Factor: 1		Analysis Time..: 15:07		
Thallium	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41AE
		Dilution Factor: 1		Analysis Time..: 15:07		
Vanadium	16.9	5.6	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41AF
		Dilution Factor: 1		Analysis Time..: 15:07		
Zinc	44.4	2.2	mg/kg	SW846 6010B	10/02-10/03/01	EK7E41AG
		Dilution Factor: 1		Analysis Time..: 15:07		
Prep Batch #...: 1275387						
Mercury	ND	0.037	mg/kg	SW846 7471A	10/03/01	EK7E41AH
		Dilution Factor: 1		Analysis Time..: 11:26		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3026

TOTAL Metals

Lot-Sample #...: H1I270167-010 Matrix.....: WATER
Date Sampled...: 09/26/01 Date Received..: 09/27/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1273111						
Aluminum	207 J	200	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AA
		Dilution Factor: 1		Analysis Time..: 12:00		
Antimony	ND	60.0	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AC
		Dilution Factor: 1		Analysis Time..: 12:00		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AD
		Dilution Factor: 1		Analysis Time..: 12:00		
Barium	23900	4000	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AE
		Dilution Factor: 20		Analysis Time..: 16:34		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AF
		Dilution Factor: 1		Analysis Time..: 12:00		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AG
		Dilution Factor: 1		Analysis Time..: 12:00		
Calcium	2060000 J	100000	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AH
		Dilution Factor: 20		Analysis Time..: 16:34		
Chromium	7.6 B,J	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AJ
		Dilution Factor: 1		Analysis Time..: 12:00		
Cobalt	7.1 B	50.0	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AK
		Dilution Factor: 1		Analysis Time..: 12:00		
Copper	15.8 B,J	25.0	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AL
		Dilution Factor: 1		Analysis Time..: 12:00		
Iron	5920	100	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AM
		Dilution Factor: 1		Analysis Time..: 12:00		
Lead	ND	60.0	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AN
		Dilution Factor: 20		Analysis Time..: 16:34		
Magnesium	943000	100000	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AP
		Dilution Factor: 20		Analysis Time..: 16:34		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3026

TOTAL Metals

Lot-Sample #...: H1I270167-010 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	189	15.0	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AQ
		Dilution Factor: 1		Analysis Time..: 12:00		
Nickel	3.5 B	40.0	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AR
		Dilution Factor: 1		Analysis Time..: 12:00		
Potassium	85800 B	100000	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AT
		Dilution Factor: 20		Analysis Time..: 16:34		
Selenium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AU
		Dilution Factor: 1		Analysis Time..: 12:00		
Silver	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AV
		Dilution Factor: 1		Analysis Time..: 12:00		
Sodium	7980000	100000	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AW
		Dilution Factor: 20		Analysis Time..: 16:34		
Thallium	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK7E61AX
		Dilution Factor: 1		Analysis Time..: 12:00		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	EK7E61A0
		Dilution Factor: 1		Analysis Time..: 12:00		
Zinc	5.3 B,J	20.0	ug/L	SW846 6010B	10/01-10/03/01	EK7E61A1
		Dilution Factor: 1		Analysis Time..: 12:00		
Prep Batch #...: 1274177						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/02/01	EK7E61A2
		Dilution Factor: 1		Analysis Time..: 11:41		

NOTE(S):

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

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3026

DISSOLVED Metals

Lot-Sample #...: H1I270167-011 Matrix.....: WATER
Date Sampled...: 09/26/01 Date Received..: 09/27/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1273112						
Aluminum	40.9 B	200	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AA
		Dilution Factor: 1		Analysis Time..: 13:25		
Antimony	ND	60.0	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AC
		Dilution Factor: 1		Analysis Time..: 13:25		
Arsenic	2.8 B	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AD
		Dilution Factor: 1		Analysis Time..: 13:25		
Barium	24400	4000	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AE
		Dilution Factor: 20		Analysis Time..: 16:38		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AF
		Dilution Factor: 1		Analysis Time..: 13:25		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AG
		Dilution Factor: 1		Analysis Time..: 13:25		
Calcium	2110000	100000	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AH
		Dilution Factor: 20		Analysis Time..: 16:38		
Chromium	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AJ
		Dilution Factor: 1		Analysis Time..: 13:25		
Cobalt	6.4 B	50.0	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AK
		Dilution Factor: 1		Analysis Time..: 13:25		
Copper	2.0 B	25.0	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AL
		Dilution Factor: 1		Analysis Time..: 13:25		
Iron	5350	100	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AM
		Dilution Factor: 1		Analysis Time..: 13:25		
Lead	ND	60.0	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AN
		Dilution Factor: 20		Analysis Time..: 16:38		
Magnesium	965000	100000	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AP
		Dilution Factor: 20		Analysis Time..: 16:38		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3026

DISSOLVED Metals

Lot-Sample #...: H1I270167-011 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	188	15.0	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AQ
		Dilution Factor: 1		Analysis Time..: 13:25		
Nickel	2.9 B	40.0	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AR
		Dilution Factor: 1		Analysis Time..: 13:25		
Potassium	87400 B	100000	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AT
		Dilution Factor: 20		Analysis Time..: 16:38		
Selenium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AU
		Dilution Factor: 1		Analysis Time..: 13:25		
Silver	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AV
		Dilution Factor: 1		Analysis Time..: 13:25		
Sodium	8100000	100000	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AW
		Dilution Factor: 20		Analysis Time..: 16:38		
Thallium	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1AX
		Dilution Factor: 1		Analysis Time..: 13:25		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1A0
		Dilution Factor: 1		Analysis Time..: 13:25		
Zinc	3.3 B	20.0	ug/L	SW846 6010B	10/01-10/03/01	EK7FP1A1
		Dilution Factor: 1		Analysis Time..: 13:25		
Prep Batch #...: 1274181						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/02/01	EK7FP1A2
		Dilution Factor: 1		Analysis Time..: 12:26		

NOTE(S):

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1I270167 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1I300000-111 Prep Batch #...: 1273111						
Aluminum	**27.2 B**	**200**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**ELC5W1AA**
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Antimony	ND	60.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AC
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AD
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Barium	ND	200	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AE
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AF
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AG
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Calcium	**39.2 B**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**ELC5W1AH**
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Chromium	**1.5 B**	**10.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**ELC5W1AJ**
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AK
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Copper	**6.4 B**	**25.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**ELC5W1AL**
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Iron	ND	100	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1
		Dilution Factor: 1				
		Analysis Time..: 11:02				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1I270167 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AN
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Magnesium	ND	5000	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AP
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Manganese	ND	15.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AQ
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Nickel	ND	40.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AR
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Potassium	ND	5000	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AT
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Selenium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AU
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Silver	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AV
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Sodium	ND	5000	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AW
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Thallium	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AX
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1A0
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Zinc	**7.4 B**	**20.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**ELC5W1A1**
		Dilution Factor: 1				
		Analysis Time..: 11:02				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1I270167 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J010000-177 **Prep Batch #...:** 1274177						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/02/01	ELDC11AA
		Dilution Factor: 1				
		Analysis Time..: 11:24				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1I270167 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1I300000-112 Prep Batch #...: 1273112						
Aluminum	ND	200	ug/L	SW846 6010B	10/01-10/03/01	ELC501AA
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Antimony	ND	60.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AC
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AD
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Barium	ND	200	ug/L	SW846 6010B	10/01-10/03/01	ELC501AE
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AF
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AG
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Calcium	ND	5000	ug/L	SW846 6010B	10/01-10/03/01	ELC501AH
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Chromium	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AJ
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AK
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Copper	ND	25.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AL
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Iron	ND	100	ug/L	SW846 6010B	10/01-10/03/01	ELC501AM
		Dilution Factor: 1				
		Analysis Time..: 11:11				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1I270167 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AN
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Magnesium	ND	5000	ug/L	SW846 6010B	10/01-10/03/01	ELC501AP
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Manganese	ND	15.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AQ
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Nickel	ND	40.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AR
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Potassium	ND	5000	ug/L	SW846 6010B	10/01-10/03/01	ELC501AT
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Selenium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AU
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Silver	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AV
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Sodium	ND	5000	ug/L	SW846 6010B	10/01-10/03/01	ELC501AW
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Thallium	**6.3 B**	**10.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**ELC501AX**
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501A0
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Zinc	ND	20.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501A1
		Dilution Factor: 1				
		Analysis Time..: 11:11				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1I270167 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J010000-181 **Prep Batch #...:** 1274181						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/02/01	ELDDH1AA
		Dilution Factor: 1				
		Analysis Time..: 12:22				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1I270167 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J010000-284 Prep Batch #...: 1274284						
Aluminum	ND	20.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AH
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Antimony	ND	6.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AJ
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Arsenic	ND	1.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AK
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Barium	ND	20.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AL
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Beryllium	ND	0.50	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AM
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Cadmium	ND	0.50	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AN
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Calcium	ND	500	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AP
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Chromium	ND	1.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AQ
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Cobalt	ND	5.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AR
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Copper	ND	2.5	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AT
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Iron	ND	10.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AU
		Dilution Factor: 1				
		Analysis Time..: 11:20				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1I270167 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	0.30	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AV
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Magnesium	ND	500	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AW
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Manganese	ND	1.5	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AX
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Nickel	ND	4.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11A0
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Potassium	ND	500	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11A1
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Selenium	ND	0.50	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AA
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Silver	ND	1.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AC
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Sodium	ND	500	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AD
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Thallium	ND	1.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AE
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Vanadium	ND	5.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AF
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Zinc	ND	2.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AG
		Dilution Factor: 1				
		Analysis Time..: 11:20				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1I270167 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J020000-387 **Prep Batch #...:** 1275387						
Mercury	ND	0.033	mg/kg	SW846 7471A	10/03/01	ELFGL1AA
		Dilution Factor: 1				
		Analysis Time..: 10:58				

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I270167 **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H1I270167-002 **Prep Batch #...:** 1274284									
Aluminum									
	13500	257	13100	mg/kg			SW846 6010B	10/02-10/03/01	EK7D91AS
			Qualifiers: NC,MSB						
	13500	257	15000	mg/kg			SW846 6010B	10/02-10/03/01	EK7D91CA
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 14:15						
Antimony									
	0.71	64.3	51.1	mg/kg	78		SW846 6010B	10/02-10/03/01	EK7D91CD
	0.71	64.3	52.3	mg/kg	80	2.4	SW846 6010B	10/02-10/03/01	EK7D91CE
			Dilution Factor: 1						
			Analysis Time..: 14:15						
Arsenic									
	18.3	257	256	mg/kg	92		SW846 6010B	10/02-10/03/01	EK7D91CG
	18.3	257	249	mg/kg	90	2.7	SW846 6010B	10/02-10/03/01	EK7D91CH
			Dilution Factor: 1						
			Analysis Time..: 14:15						
Barium									
	103	257	316	mg/kg	83		SW846 6010B	10/02-10/03/01	EK7D91CK
	103	257	347	mg/kg	95	9.4	SW846 6010B	10/02-10/03/01	EK7D91CL
			Dilution Factor: 1						
			Analysis Time..: 14:15						
Beryllium									
	0.90	6.43	6.54	mg/kg	88		SW846 6010B	10/02-10/03/01	EK7D91CN
	0.90	6.43	6.73	mg/kg	91	2.9	SW846 6010B	10/02-10/03/01	EK7D91CP
			Dilution Factor: 1						
			Analysis Time..: 14:15						
Cadmium									
	0.45	6.43	5.84	mg/kg	84		SW846 6010B	10/02-10/03/01	EK7D91CR
	0.45	6.43	6.01	mg/kg	86	2.8	SW846 6010B	10/02-10/03/01	EK7D91CT
			Dilution Factor: 1						
			Analysis Time..: 14:15						
Calcium									
	14200	6430	14900 N	mg/kg	11		SW846 6010B	10/02-10/03/01	EK7D91CV
	14200	6430	16100 N	mg/kg	30	7.7	SW846 6010B	10/02-10/03/01	EK7D91CW
			Dilution Factor: 1						
			Analysis Time..: 14:15						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I270167 **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	21.8	25.7	42.6	mg/kg	81		SW846 6010B	10/02-10/03/01	EK7D91C0
	21.8	25.7	46.0	mg/kg	94	7.6	SW846 6010B	10/02-10/03/01	EK7D91C1
			Dilution Factor: 1						
			Analysis Time..: 14:15						
Cobalt									
	10.9	64.3	66.4	mg/kg	86		SW846 6010B	10/02-10/03/01	EK7D91C3
	10.9	64.3	68.1	mg/kg	89	2.5	SW846 6010B	10/02-10/03/01	EK7D91C4
			Dilution Factor: 1						
			Analysis Time..: 14:15						
Copper									
	27.8	32.1	57.6	mg/kg	93		SW846 6010B	10/02-10/03/01	EK7D91C6
	27.8	32.1	56.6	mg/kg	90	1.8	SW846 6010B	10/02-10/03/01	EK7D91C7
			Dilution Factor: 1						
			Analysis Time..: 14:15						
Iron									
	32700	129	35900	mg/kg			SW846 6010B	10/02-10/03/01	EK7D91C9
			Qualifiers: NC,MSB						
	32700	129	29600	mg/kg			SW846 6010B	10/02-10/03/01	EK7D91DA
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 14:15						
Lead									
	14.3	64.3	70.1	mg/kg	87		SW846 6010B	10/02-10/03/01	EK7D91DD
	14.3	64.3	70.6	mg/kg	88	0.81	SW846 6010B	10/02-10/03/01	EK7D91DE
			Dilution Factor: 1						
			Analysis Time..: 14:15						
Magnesium									
	8860	6430	12000 N	mg/kg	49		SW846 6010B	10/02-10/03/01	EK7D91DG
	8860	6430	13600 N	mg/kg	73	12	SW846 6010B	10/02-10/03/01	EK7D91DH
			Dilution Factor: 1						
			Analysis Time..: 14:15						
Manganese									
	710	64.3	655	mg/kg			SW846 6010B	10/02-10/03/01	EK7D91DK
			Qualifiers: NC,MSB						
	710	64.3	648	mg/kg			SW846 6010B	10/02-10/03/01	EK7D91DL
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 14:15						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I270167 **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel									
	35.7	64.3	87.9	mg/kg	81		SW846 6010B	10/02-10/03/01	EK7D91DI
	35.7	64.3	89.2	mg/kg	83	1.5	SW846 6010B	10/02-10/03/01	EK7D91DI
				Dilution Factor: 1					
				Analysis Time..: 14:15					
Potassium									
	1800	6430	7350	mg/kg	86		SW846 6010B	10/02-10/03/01	EK7D91DF
	1800	6430	7760	mg/kg	93	5.5	SW846 6010B	10/02-10/03/01	EK7D91DT
				Dilution Factor: 1					
				Analysis Time..: 14:15					
Selenium									
	ND	257	220	mg/kg	86		SW846 6010B	10/02-10/03/01	EK7D91AC
	ND	257	225	mg/kg	88	2.1	SW846 6010B	10/02-10/03/01	EK7D91AD
				Dilution Factor: 1					
				Analysis Time..: 14:15					
Silver									
	ND	6.43	5.61	mg/kg	87		SW846 6010B	10/02-10/03/01	EK7D91AF
	ND	6.43	5.68	mg/kg	88	1.2	SW846 6010B	10/02-10/03/01	EK7D91AG
				Dilution Factor: 1					
				Analysis Time..: 14:15					
Sodium									
	5170	6430	10500	mg/kg	82		SW846 6010B	10/02-10/03/01	EK7D91AJ
	5170	6430	11000	mg/kg	91	5.2	SW846 6010B	10/02-10/03/01	EK7D91AK
				Dilution Factor: 1					
				Analysis Time..: 14:15					
Thallium									
	1.1	257	223	mg/kg	86		SW846 6010B	10/02-10/03/01	EK7D91AM
	1.1	257	230	mg/kg	89	2.8	SW846 6010B	10/02-10/03/01	EK7D91AN
				Dilution Factor: 1					
				Analysis Time..: 14:15					
Vanadium									
	31.5	64.3	91.0	mg/kg	93		SW846 6010B	10/02-10/03/01	EK7D91AQ
	31.5	64.3	91.4	mg/kg	93	0.48	SW846 6010B	10/02-10/03/01	EK7D91AR
				Dilution Factor: 1					
				Analysis Time..: 14:15					

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I270167 **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	84.4	64.3	135	mg/kg	79		SW846 6010B	10/02-10/03/01	EK7D91AU
	84.4	64.3	141	mg/kg	89	4.4	SW846 6010B	10/02-10/03/01	EK7D91AV

Dilution Factor: 1
Analysis Time..: 14:15

MS Lot-Sample #: H1I270167-002 **Prep Batch #...:** 1275387

Mercury									
	0.025	0.214	0.240	mg/kg	100		SW846 7471A	10/03/01	EK7D91AX
	0.025	0.214	0.238	mg/kg	100	0.89	SW846 7471A	10/03/01	EK7D91A0

Dilution Factor: 1
Analysis Time..: 11:07

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/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I270167 **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H1I270167-002 **Prep Batch #...:** 1274284							
Aluminum	NC,MSB	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91A9
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	10/02-10/03/01	EK7D91CA
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Antimony	78	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91CD
	80	(75 - 125)	2.4	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91CE
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Arsenic	92	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91CG
	90	(75 - 125)	2.7	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91CH
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Barium	83	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91CK
	95	(75 - 125)	9.4	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91CL
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Beryllium	88	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91CN
	91	(75 - 125)	2.9	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91CP
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Cadmium	84	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91CR
	86	(75 - 125)	2.8	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91CT
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Calcium	11 N	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91CV
	30 N	(75 - 125)	7.7	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91CW
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Chromium	81	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91C0
	94	(75 - 125)	7.6	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91C1
		Dilution Factor: 1					
		Analysis Time..: 14:15					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I270167 Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	86	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91C3
	89	(75 - 125)	2.5	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91C4
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Copper	93	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91C6
	90	(75 - 125)	1.8	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91C7
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Iron	NC,MSB	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91C9
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	10/02-10/03/01	EK7D91DA
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Lead	87	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91DD
	88	(75 - 125)	0.81	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91DE
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Magnesium	49 N	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91DG
	73 N	(75 - 125)	12	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91DH
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Manganese	NC,MSB	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91DK
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	10/02-10/03/01	EK7D91DL
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Nickel	81	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91DN
	83	(75 - 125)	1.5	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91DP
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Potassium	86	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91DR
	93	(75 - 125)	5.5	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91DT
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Selenium	86	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91AC
	88	(75 - 125)	2.1	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91AD
		Dilution Factor: 1					
		Analysis Time..: 14:15					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I270167 **Matrix.....:** SOLID
Date Sampled...: 09/26/01 **Date Received..:** 09/27/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	87	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91AF
	88	(75 - 125)	1.2	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91AG
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Sodium	82	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91AJ
	91	(75 - 125)	5.2	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91AK
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Thallium	86	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91AM
	89	(75 - 125)	2.8	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91AN
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Vanadium	93	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91AQ
	93	(75 - 125)	0.48	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91AR
		Dilution Factor: 1					
		Analysis Time..: 14:15					
Zinc	79	(75 - 125)			SW846 6010B	10/02-10/03/01	EK7D91AU
	89	(75 - 125)	4.4	(0-20)	SW846 6010B	10/02-10/03/01	EK7D91AV
		Dilution Factor: 1					
		Analysis Time..: 14:15					

MS Lot-Sample #: H1I270167-002 **Prep Batch #...:** 1275387

Mercury	100	(65 - 131)			SW846 7471A	10/03/01	EK7D91AX
	100	(65 - 131)	0.89	(0-20)	SW846 7471A	10/03/01	EK7D91A0
		Dilution Factor: 1					
		Analysis Time..: 11:07					

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/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

N Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I270167 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1I300000-111 **Prep Batch #...:** 1273111							
Aluminum	2000	2040	ug/L	102	SW846 6010B	10/01-10/03/01	ELC5W1A2
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Antimony	500	503	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1A3
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Arsenic	2000	2020	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1A4
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Barium	2000	2020	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1A5
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Beryllium	50.0	52.0	ug/L	104	SW846 6010B	10/01-10/03/01	ELC5W1A6
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Cadmium	50.0	49.9	ug/L	100	SW846 6010B	10/01-10/03/01	ELC5W1A7
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Calcium	50000	50500	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1A8
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Chromium	200	202	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1A9
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Cobalt	500	509	ug/L	102	SW846 6010B	10/01-10/03/01	ELC5W1CA
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Copper	250	253	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1CC
			Dilution Factor: 1				
			Analysis Time..: 11:07				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I270167 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	1010	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1CD
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Lead	500	504	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1CE
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Magnesium	50000	50000	ug/L	100	SW846 6010B	10/01-10/03/01	ELC5W1CF
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Manganese	500	514	ug/L	103	SW846 6010B	10/01-10/03/01	ELC5W1CG
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Nickel	500	507	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1CH
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Potassium	50000	50600	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1CJ
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Selenium	2000	2080	ug/L	104	SW846 6010B	10/01-10/03/01	ELC5W1CK
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Silver	50.0	50.2	ug/L	100	SW846 6010B	10/01-10/03/01	ELC5W1CL
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Sodium	50000	51800	ug/L	104	SW846 6010B	10/01-10/03/01	ELC5W1CM
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Thallium	2000	2040	ug/L	102	SW846 6010B	10/01-10/03/01	ELC5W1CN
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Vanadium	500	503	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1CP
			Dilution Factor: 1				
			Analysis Time..: 11:07				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I270167 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	534	ug/L	107	SW846 6010B	10/01-10/03/01	ELC5W1CQ
			Dilution Factor: 1				
			Analysis Time..: 11:07				

LCS Lot-Sample#: H1J010000-177 **Prep Batch #...:** 1274177

Mercury	0.00500	0.00498	mg/L	100	SW846 7470A	10/02/01	ELDC11AC
			Dilution Factor: 1				
			Analysis Time..: 11:26				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1I270167 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1I300000-112 **Prep Batch #...:** 1273112							
Aluminum	2000	2060	ug/L	103	SW846 6010B	10/01-10/03/01	ELC501A2
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Antimony	500	503	ug/L	101	SW846 6010B	10/01-10/03/01	ELC501A3
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Arsenic	2000	2030	ug/L	102	SW846 6010B	10/01-10/03/01	ELC501A4
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Barium	2000	2030	ug/L	101	SW846 6010B	10/01-10/03/01	ELC501A5
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Beryllium	50.0	52.3	ug/L	105	SW846 6010B	10/01-10/03/01	ELC501A6
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Cadmium	50.0	50.2	ug/L	100	SW846 6010B	10/01-10/03/01	ELC501A7
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Calcium	50000	50900	ug/L	102	SW846 6010B	10/01-10/03/01	ELC501A8
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Chromium	200	203	ug/L	102	SW846 6010B	10/01-10/03/01	ELC501A9
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Cobalt	500	513	ug/L	103	SW846 6010B	10/01-10/03/01	ELC501CA
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Copper	250	253	ug/L	101	SW846 6010B	10/01-10/03/01	ELC501CC
			Dilution Factor: 1				
			Analysis Time..: 11:16				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1I270167 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	1000	ug/L	100	SW846 6010B	10/01-10/03/01	ELC501CD
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Lead	500	507	ug/L	101	SW846 6010B	10/01-10/03/01	ELC501CE
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Magnesium	50000	50400	ug/L	101	SW846 6010B	10/01-10/03/01	ELC501CF
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Manganese	500	518	ug/L	104	SW846 6010B	10/01-10/03/01	ELC501CG
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Nickel	500	510	ug/L	102	SW846 6010B	10/01-10/03/01	ELC501CH
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Potassium	50000	50700	ug/L	101	SW846 6010B	10/01-10/03/01	ELC501CJ
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Selenium	2000	2090	ug/L	104	SW846 6010B	10/01-10/03/01	ELC501CK
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Silver	50.0	50.2	ug/L	100	SW846 6010B	10/01-10/03/01	ELC501CL
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Sodium	50000	52100	ug/L	104	SW846 6010B	10/01-10/03/01	ELC501CM
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Thallium	2000	2050	ug/L	102	SW846 6010B	10/01-10/03/01	ELC501CN
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Vanadium	500	505	ug/L	101	SW846 6010B	10/01-10/03/01	ELC501CP
			Dilution Factor: 1				
			Analysis Time..: 11:16				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1I270167 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	536	ug/L	107	SW846 6010B	10/01-10/03/01	ELC501CQ
			Dilution Factor: 1				
			Analysis Time..: 11:16				

LCS Lot-Sample#: H1J010000-181 **Prep Batch #...:** 1274181

Mercury	0.00500	0.00486	mg/L	97	SW846 7470A	10/02/01	ELDDH1AC
			Dilution Factor: 1				
			Analysis Time..: 12:24				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I270167 Matrix.....: SOLID

LCS Lot-Sample#: H1J010000-284 Prep Batch #...: 1274284

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum	200	197	mg/kg	98	SW846 6010B	10/02-10/03/01	ELDP11A8
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Antimony	50.0	48.3	mg/kg	97	SW846 6010B	10/02-10/03/01	ELDP11A9
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Arsenic	200	194	mg/kg	97	SW846 6010B	10/02-10/03/01	ELDP11CA
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Barium	200	200	mg/kg	100	SW846 6010B	10/02-10/03/01	ELDP11CC
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Beryllium	5.00	5.19	mg/kg	104	SW846 6010B	10/02-10/03/01	ELDP11CD
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Cadmium	5.00	4.98	mg/kg	100	SW846 6010B	10/02-10/03/01	ELDP11CE
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Calcium	5000	5000	mg/kg	100	SW846 6010B	10/02-10/03/01	ELDP11CF
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Chromium	20.0	20.3	mg/kg	101	SW846 6010B	10/02-10/03/01	ELDP11CG
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Cobalt	50.0	50.5	mg/kg	101	SW846 6010B	10/02-10/03/01	ELDP11CH
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Copper	25.0	25.1	mg/kg	100	SW846 6010B	10/02-10/03/01	ELDP11CJ
			Dilution Factor: 1				
			Analysis Time..: 11:25				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I270167 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	100	100	mg/kg	100	SW846 6010B	10/02-10/03/01	ELDP11CK
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Lead	50.0	49.5	mg/kg	99	SW846 6010B	10/02-10/03/01	ELDP11CL
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Magnesium	5000	4870	mg/kg	97	SW846 6010B	10/02-10/03/01	ELDP11CM
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Manganese	50.0	51.3	mg/kg	103	SW846 6010B	10/02-10/03/01	ELDP11CN
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Nickel	50.0	50.3	mg/kg	100	SW846 6010B	10/02-10/03/01	ELDP11CP
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Potassium	5000	4700	mg/kg	94	SW846 6010B	10/02-10/03/01	ELDP11CQ
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Selenium	200	190	mg/kg	95	SW846 6010B	10/02-10/03/01	ELDP11A2
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Silver	5.00	4.94	mg/kg	99	SW846 6010B	10/02-10/03/01	ELDP11A3
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Sodium	5000	4880	mg/kg	98	SW846 6010B	10/02-10/03/01	ELDP11A4
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Thallium	200	199	mg/kg	100	SW846 6010B	10/02-10/03/01	ELDP11A5
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Vanadium	50.0	50.2	mg/kg	100	SW846 6010B	10/02-10/03/01	ELDP11A6
			Dilution Factor: 1				
			Analysis Time..: 11:25				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I270167 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	50.0	51.6	mg/kg	103	SW846 6010B	10/02-10/03/01	ELDP11A7
			Dilution Factor: 1				
			Analysis Time..: 11:25				

LCS Lot-Sample#: H1J020000-387 **Prep Batch #...:** 1275387

Mercury	0.833	0.838	mg/kg	101	SW846 7471A	10/03/01	ELFGL1AC
			Dilution Factor: 1				
			Analysis Time..: 11:00				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I270167 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1I300000-111 **Prep Batch #...:** 1273111					
Aluminum	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1A2
Antimony	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1A3
Arsenic	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1A4
Barium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1A5
Beryllium	104	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1A6
Cadmium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1A7
Calcium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1A8
Chromium	101	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1A9
Cobalt	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1CA
Copper	101	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1CC

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I270167 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	101	(90 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CD
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Lead	101	(90 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CE
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Magnesium	100	(90 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CF
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Manganese	103	(90 - 111)	SW846 6010B	10/01-10/03/01	ELC5W1CG
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Nickel	101	(90 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CH
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Potassium	101	(89 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CJ
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Selenium	104	(90 - 114)	SW846 6010B	10/01-10/03/01	ELC5W1CK
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Silver	100	(90 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CL
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Sodium	104	(90 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CM
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Thallium	102	(90 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CN
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Vanadium	101	(90 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CP
		Dilution Factor: 1			
		Analysis Time..: 11:07			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I270167 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	107	(90 - 115)	SW846 6010B	10/01-10/03/01	ELC5W1CQ
		Dilution Factor: 1			
		Analysis Time..: 11:07			

LCS Lot-Sample#: H1J010000-177 **Prep Batch #...:** 1274177

Mercury	100	(90 - 110)	SW846 7470A	10/02/01	ELDC11AC
		Dilution Factor: 1			
		Analysis Time..: 11:26			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1I270167 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1I300000-112 **Prep Batch #...:** 1273112					
Aluminum	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501A2
Antimony	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501A3
Arsenic	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501A4
Barium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501A5
Beryllium	105	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501A6
Cadmium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501A7
Calcium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501A8
Chromium	102	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501A9
Cobalt	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CA
Copper	101	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CC

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1I270167 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CD
Lead	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CE
Magnesium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CF
Manganese	104	(90 - 111)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CG
Nickel	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CH
Potassium	101	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CJ
Selenium	104	(90 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CK
Silver	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CL
Sodium	104	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CM
Thallium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CN
Vanadium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CP

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1I270167 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	107	(90 - 115)	SW846 6010B	10/01-10/03/01	ELC501CQ
		Dilution Factor: 1			
		Analysis Time..: 11:16			

LCS Lot-Sample#: H1J010000-181 **Prep Batch #...:** 1274181

Mercury	97	(90 - 110)	SW846 7470A	10/02/01	ELDDH1AC
		Dilution Factor: 1			
		Analysis Time..: 12:24			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I270167 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J010000-284 **Prep Batch #...:** 1274284					
Aluminum	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11A8
Antimony	97	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11A9
Arsenic	97	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CA
Barium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CC
Beryllium	104	(90 - 112)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CD
Cadmium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CE
Calcium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CF
Chromium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CG
Cobalt	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CH
Copper	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CJ

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I270167 Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	100	(90 - 110)	SW846 6010B	10/02-10/03/01	ELDP11CK
		Dilution Factor: 1			
		Analysis Time..: 11:25			
Lead	99	(90 - 110)	SW846 6010B	10/02-10/03/01	ELDP11CL
		Dilution Factor: 1			
		Analysis Time..: 11:25			
Magnesium	97	(89 - 110)	SW846 6010B	10/02-10/03/01	ELDP11CM
		Dilution Factor: 1			
		Analysis Time..: 11:25			
Manganese	103	(90 - 110)	SW846 6010B	10/02-10/03/01	ELDP11CN
		Dilution Factor: 1			
		Analysis Time..: 11:25			
Nickel	100	(90 - 110)	SW846 6010B	10/02-10/03/01	ELDP11CP
		Dilution Factor: 1			
		Analysis Time..: 11:25			
Potassium	94	(84 - 110)	SW846 6010B	10/02-10/03/01	ELDP11CQ
		Dilution Factor: 1			
		Analysis Time..: 11:25			
Selenium	95	(87 - 110)	SW846 6010B	10/02-10/03/01	ELDP11A2
		Dilution Factor: 1			
		Analysis Time..: 11:25			
Silver	99	(90 - 110)	SW846 6010B	10/02-10/03/01	ELDP11A3
		Dilution Factor: 1			
		Analysis Time..: 11:25			
Sodium	98	(88 - 110)	SW846 6010B	10/02-10/03/01	ELDP11A4
		Dilution Factor: 1			
		Analysis Time..: 11:25			
Thallium	100	(90 - 110)	SW846 6010B	10/02-10/03/01	ELDP11A5
		Dilution Factor: 1			
		Analysis Time..: 11:25			
Vanadium	100	(90 - 110)	SW846 6010B	10/02-10/03/01	ELDP11A6
		Dilution Factor: 1			
		Analysis Time..: 11:25			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I270167 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	103	(90 - 110)	SW846 6010B	10/02-10/03/01	ELDP11A7
		Dilution Factor: 1			
		Analysis Time..: 11:25			

LCS Lot-Sample#: H1J020000-387 **Prep Batch #...:** 1275387

Mercury	101	(90 - 110)	SW846 7471A	10/03/01	ELFGL1AC
		Dilution Factor: 1			
		Analysis Time..: 11:00			

NOTE(S):

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

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0003

General Chemistry

Lot-Sample #...: H1I270167-001 Work Order #...: EK7DP Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 18

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	17.5	0.10	%	MCAWW 160.3 MOD	09/27-10/01/01	1274183

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0004

General Chemistry

Lot-Sample #...: H1I270167-002 Work Order #...: EK7D9 Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	22.2	0.10	%	MCAWW 160.3 MOD	09/27-10/01/01	1274183

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0005

General Chemistry

Lot-Sample #...: H1I270167-003 Work Order #...: EK7EH Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	13.0	0.10	%	MCAWW 160.3 MOD	09/27-10/01/01	1274183

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0006

General Chemistry

Lot-Sample #...: H1I270167-004 Work Order #...: EK7EM Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	21.8	0.10	%	MCAWW 160.3 MOD	09/27-10/01/01	1274183

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0007

General Chemistry

Lot-Sample #...: H1I270167-005 Work Order #...: EK7EP Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 10

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	10.4	0.10	%	MCAWW 160.3 MOD	09/27-10/01/01	1274183

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0008

General Chemistry

Lot-Sample #...: H1I270167-006 Work Order #...: EK7ET Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 9.3

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	9.3	0.10	%	MCAWW 160.3 MOD	09/27-10/01/01	1274183

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0009

General Chemistry

Lot-Sample #...: H1I270167-007 Work Order #...: EK7EW Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	12.9	0.10	%	MCAWW 160.3 MOD	09/27-10/01/01	1274183

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0010

General Chemistry

Lot-Sample #...: H1I270167-008 Work Order #...: EK7E1 Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 9.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	9.5	0.10	%	MCAWW 160.3 MOD	09/27-10/01/01	1274183

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0012

General Chemistry

Lot-Sample #...: H1I270167-009 Work Order #...: EK7E4 Matrix.....: SOLID
Date Sampled...: 09/26/01 Date Received..: 09/27/01
% Moisture.....: 11

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Moisture	11.0	0.10	%	MCAWW 160.3 MOD	09/27-10/01/01	1274183

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3026

General Chemistry

Lot-Sample #...: H1I270167-010 Work Order #...: EK7E6 Matrix.....: WATER
Date Sampled...: 09/26/01 Date Received..: 09/27/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	22400	800	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 800				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/05/01	1282165
		Dilution Factor: 1				
Hardness, as CaCO3	9360	250	mg/L	MCAWW 130.2	10/08/01	1281579
		Dilution Factor: 50				
Nitrate	ND	0.10	mg/L	MCAWW 353.2	09/29/01	1276427
		Dilution Factor: 1				
Sulfate	ND	5.0	mg/L	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 1				
Total Alkalinity	255 J	5.0	mg/L	MCAWW 310.1	09/29/01	1275419
		Dilution Factor: 1				
Total Dissolved Solids	28900	100	mg/L	MCAWW 160.1	10/02-10/03/01	1275189
		Dilution Factor: 10				
Total Dissolved Solids	27400	200	mg/L	MCAWW 160.1	10/03-10/05/01	1281160
		Dilution Factor: 20				
Total Organic Carbon	0.50 B	1.0	mg/L	SW846 9060	10/16/01	1290270
		Dilution Factor: 1				
Total Suspended Solids	125	4.0	mg/L	MCAWW 160.2	10/02/01	1275187
		Dilution Factor: 1				
Turbidity	48.4 J	1.0	NTU	MCAWW 180.1	09/28/01	1271561
		Dilution Factor: 2				

NOTE(S):

RL Reporting Limit

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1I270167 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JN1AA		MB Lot-Sample #:	A1J140000-109	
	ND	1.0	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 1				
Cyanide, Total		Work Order #: ELR601AA		MB Lot-Sample #:	H1J090000-165	
	ND	0.010	mg/L	SW846 9012A	10/05/01	1282165
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: ELRWE1AA		MB Lot-Sample #:	A1J080000-579	
	ND	5.0	mg/L	MCAWW 130.2	10/08/01	1281579
		Dilution Factor: 1				
Nitrate		Work Order #: ELJG61AA		MB Lot-Sample #:	A1J030000-427	
	ND	0.10	mg/L	MCAWW 353.2	09/29/01	1276427
		Dilution Factor: 1				
Sulfate		Work Order #: EL8JM1AA		MB Lot-Sample #:	A1J160000-368	
	ND	5.0	mg/L	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 1				
Total Alkalinity		Work Order #: ELFW01AA		MB Lot-Sample #:	A1J020000-419	
	4.3 B	**5.0**	**mg/L**	**MCAWW 310.1**	**09/28/01**	**1275419**
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: ELELM1AA		MB Lot-Sample #:	A1J020000-189	
	ND		mg/L	MCAWW 160.1	10/02-10/03/01	1275189
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: ELQED1AA		MB Lot-Sample #:	A1J080000-160	
	ND	10.0	mg/L	MCAWW 160.1	10/03-10/05/01	1281160
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: EL9J11AA		MB Lot-Sample #:	A1J170000-270	
	ND	1.0	mg/L	SW846 9060	10/16/01	1290270
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: ELELK1AA		MB Lot-Sample #:	A1J020000-187	
	ND	4.0	mg/L	MCAWW 160.2	10/02/01	1275187
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1I270167 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Turbidity		Work Order #: ELCCA1AA		MB Lot-Sample #:	A1I280000-561	
	0.030 B	0.50	NTU	MCAWW 180.1	09/28/01	1271561
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1I270167 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated			Work Order #: EL5JN1AC		LCS Lot-Sample#:	A1J140000-109	
	124	115	mg/L	93	MCAWW 325.2	10/14/01	1287109
			Dilution Factor: 1				
Cyanide, Total			Work Order #: ELR601AC		LCS Lot-Sample#:	H1J090000-165	
	0.200	0.201	mg/L	100	SW846 9012A	10/05/01	1282165
			Dilution Factor: 1				
Hardness, as CaCO3			Work Order #: ELRWE1AC		LCS Lot-Sample#:	A1J080000-579	
	76.8	72.9	mg/L	95	MCAWW 130.2	10/08/01	1281579
			Dilution Factor: 1				
Nitrate			Work Order #: ELJG61AC		LCS Lot-Sample#:	A1J030000-427	
	0.500	0.518	mg/L	104	MCAWW 353.2	09/29/01	1276427
			Dilution Factor: 1				
Sulfate			Work Order #: EL8JM1AC		LCS Lot-Sample#:	A1J160000-368	
	18.3	18.8	mg/L	103	MCAWW 375.4	10/16/01	1289368
			Dilution Factor: 1				
Total Alkalinity			Work Order #: ELFW01AC		LCS Lot-Sample#:	A1J020000-419	
	18.3	20.7	mg/L	113	MCAWW 310.1	09/29/01	1275419
			Dilution Factor: 1				
Total Dissolved Solids			Work Order #: ELELM1AC		LCS Lot-Sample#:	A1J020000-189	
	281	212	mg/L	75	MCAWW 160.1	10/02-10/03/01	1275189
			Dilution Factor: 1				
Total Dissolved Solids			Work Order #: ELQED1AC		LCS Lot-Sample#:	A1J080000-160	
	281	284	mg/L	101	MCAWW 160.1	10/03-10/05/01	1281160
			Dilution Factor: 1				
Total Organic Carbon			Work Order #: EL9J11AC		LCS Lot-Sample#:	A1J170000-270	
	50.4	56.1	mg/L	111	SW846 9060	10/16/01	1290270
			Dilution Factor: 1				
Total Suspended Solids			Work Order #: ELELK1AC		LCS Lot-Sample#:	A1J020000-187	
	66.2	60.0	mg/L	91	MCAWW 160.2	10/02/01	1275187
			Dilution Factor: 1				

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: H1I270167 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JN1AC		LCS Lot-Sample#: A1J140000-109	
	93	(90 - 115)	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 1			
Cyanide, Total		Work Order #: ELR601AC		LCS Lot-Sample#: H1J090000-165	
	100	(88 - 113)	SW846 9012A	10/05/01	1282165
		Dilution Factor: 1			
Hardness, as CaCO3		Work Order #: ELRWE1AC		LCS Lot-Sample#: A1J080000-579	
	95	(84 - 116)	MCAWW 130.2	10/08/01	1281579
		Dilution Factor: 1			
Nitrate		Work Order #: ELJG61AC		LCS Lot-Sample#: A1J030000-427	
	104	(77 - 116)	MCAWW 353.2	09/29/01	1276427
		Dilution Factor: 1			
Sulfate		Work Order #: EL8JM1AC		LCS Lot-Sample#: A1J160000-368	
	103	(80 - 112)	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 1			
Total Alkalinity		Work Order #: ELFW01AC		LCS Lot-Sample#: A1J020000-419	
	113	(90 - 127)	MCAWW 310.1	09/29/01	1275419
		Dilution Factor: 1			
Total Dissolved Solids		Work Order #: ELELM1AC		LCS Lot-Sample#: A1J020000-189	
	75	(69 - 120)	MCAWW 160.1	10/02-10/03/01	1275189
		Dilution Factor: 1			
Total Dissolved Solids		Work Order #: ELQED1AC		LCS Lot-Sample#: A1J080000-160	
	101	(69 - 120)	MCAWW 160.1	10/03-10/05/01	1281160
		Dilution Factor: 1			
Total Organic Carbon		Work Order #: EL9J11AC		LCS Lot-Sample#: A1J170000-270	
	111	(88 - 115)	SW846 9060	10/16/01	1290270
		Dilution Factor: 1			
Total Suspended Solids		Work Order #: ELELK1AC		LCS Lot-Sample#: A1J020000-187	
	91	(66 - 119)	MCAWW 160.2	10/02/01	1275187
		Dilution Factor: 1			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: H1I270167 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Turbidity		Work Order #: ELCCA1AC	LCS Lot-Sample#: A1I280000-561		
	106	(75 - 125)	MCAWW 180.1	09/28/01	1271561
		Dilution Factor: 1			

NOTE(S):

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

Sample Receipt Documentation

H1I270167 PB092601STCN

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. [redacted]
Page 1 of ___

Project Name/No. [1] PBOW
Sample Team Members [2] D. Keesler H. Adams
Profit Center No. [3]
Project Manager [4] Mike Gunderson
Purchase Order No. [6] —
Required Report Date [11]

Samples Shipment Date [7] 9-26-01
Lab Destination [8] STL / Knoxville
Lab Contact [9]
Project Contact/Phone [12] Mike Gunderson 865-690-3211
Carrier/Waybill No. [13] 827700978157

Bill to: [5] IT Corp
312 Directors Dr
Knoxville TN 37923

Report to: [10] Maureen McMyler / Mike Gunderson
Same Address

ONE CONTAINER PER LINE

Sample Number [14]	Sample Description/Type [15]	Date/Time Collected [16]	Container Type [17]	Sample Volume [18]	Pre-servative [19]	Requested Testing Program [20]	Condition on Receipt [21]	Disposal Record No. [22]
BD0003	SOIL ✓	9-26-01 12:20	Encore 2WMGS	~500 ml	ICE	VOLATILES, EXPLOSIVES METALS		
BD0004	SOIL ✓	9-26-01 12:25	ENCORES WMGS	~500 ml	ICE		FOR LAB USE ONLY	
BD0004MS	SOIL ✓	9-26-01 12:25	ENCORES WMGS	~500 ml	ICE			
BD0004MSD	SOIL ✓	9-26-01 12:26	Encores WMGS	~500 ml	ICE		Rec'd temp. 3°c	
BD0005	SOIL ✓	9-26-01 15:35	Encores WMGS	~800 ml	ICE	VOLATILES, EXPLOSIVES METALS, SPLP EXPLOSIVES	Custody seals intact	
BD0006	SOIL ✓	9-26-01 16:05	Encores WMGS	~800 ml	ICE		Fed-ex# 82777009 78167	
BD0007	SOIL ✓	9-26-01 09:20	Encores WMGS	~800 ml	ICE		MT 11. 09-27-01	
BD0008	SOIL ✓	9-26-01 09:35	Encores WMGS	~800 ml	ICE			

Special Instructions: [23]

Possible Hazard Identification: [24]
Non-hazard ☒ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: [25]
Return to Client ☐ Disposal by Lab ☒ Archive _____ (mos.)

Turnaround Time Required: [26]
Normal ☒ Rush ☐ AS PER CONTRACT

QC Level: [27]
I. ☐ II. ☐ III. ☒ Project Specific (specify):

1. Relinquished by [28] (Signature/Affiliation)	Date: 9-26-01 Time: 18:30	1. Received by [28] (Signature/Affiliation) Matthew T. Howard	Date: 09-27-01 Time: 08:30
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: [29]

H1I270167

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No.[30] PB092601STZN
Page 2 of ____

Project Name PBOW

Project No. 825635

Samples Shipment Date 9/26/01

ONE CONTAINER PER LINE

Sample[14] Number	Sample[15] Description/Type	Date/Time[16] Collected	Container[17] Type	Sample[18] Volume	Pre-[19] servative	Requested Testing[20] Program	Condition on[21] Receipt	Disposal[22] Record No.
BD0009	SOIL	9-26-01 10:15	Encores WMGJ	~800 ml	ICE	VOLATILES, EXPLOSIVES METALS, ~~SLPESPLP~~ Explosives		
BD0010	SOIL	9-26-01 10:15	Encores WMGJ	~800 ml	ICE		FOR LAB	
BD0012	SOIL	9-26-01 10:45	Encores WMGJ	~800 ml	ICE			
BD3026	WATER	9-26-01 13:40	VOA	120 ml	HCl	VOLATILES		
		9-26-01 13:40	HDPE	1 l	~~NaOH~~ HCLA	CYANIDE	Ph7, Perserved in Lab to Ph>12	
			GLASS	2 l	ICE	SEMIVOLATILES	with ~~NAOH~~ NaOH By	
			GLASS	1 l	ICE	EXPLOSIVES	MFH ~~09-26-01~~ 09-27-01	MFH 09-27-01
			HDPE	500 ml	HNO_3	Metals FILTERED	Ph2	
			HDPE	500 ml	HNO_3	Metals UNFILTERED	↓	
			~~HDPE~~	~~2 l~~ HCLA		"		
	Hugh R. Fallon	9-26-01 18:30						

White: To accompany samples
Yellow: Field copy

*See back of form for special instructions.

STL KNOXVILLE
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Page 1 of 2

CLIENT: Ft. Corp. PROJECT: PBOW Lot No.: HIL270167

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?	✓		
(NOTE: North Carolina, 1668, 1613B have 0-4°C requirement)			
c. Were samples received with correct preservative (excluding Encore)? MFH 09-27-01	✓	✓	
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 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? BKO 9-27-01	✓	✓	
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: Matthew T. Howard DATE: 09-27-01

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 44281			
b. Informed Login associates of special instructions ?			X
2. If custody seals were missing/not intact, was client notified?			X

PROJECT MANAGER : gm DATE: 10/4/01

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
BD0010	8260, 6010, 8330, SPLP 8330	GB	NO TEST ON COC, LABELS HAVE
BD0012	↓	↓	SAME TEST AS SAMPLE BD0009

☒ Client informed on 10/1/01 by Conference. Person contacted: M McMyler; V Brown
☐ Noted actions in comments section above.
☒ No action necessary; process as is.
Project Manager: gm Date: 10/4/01

QA026R8.doc,

STL KNOXVILLE
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 received with < ½ holding time remaining
	4e Sample preservative: _____
	4f 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): _____

STL KNOXVILLE

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT PROJECT: PBOW Lot No.: H1I270167

TO BE COMPETED BY PROJECT MANAGER:

1. Client Documents (Request for Analysis/Chain of Custody):	YES	NO	NA
a. Was QuanTIMS lot number documented on all paperwork?	X		
b. Was RFA/COC signed upon receipt, including date/time?	X		
c. Is preservative check (pH) noted on RFA/COC?	X		
d. Is cooler temperature & custody seal condition noted on COC?	X		

2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	X		
b. Were tests/parameters assigned correctly?	X		
c. Were correct analytical and report due dates assigned?	X		
d. Has the correct fax due date been assigned to the lot?			X
e. Is the correct report format noted in the lot summary?	X		
f. Is percent moisture logged for samples requiring this analysis?	X		
g. Are client assigned QC samples properly defined?			X

3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?			X
b. If the purchase order number is given, is it noted in Lot header?			X
c. If samples were subcontracted, was copy of COC in folder?	X		

4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?			X
b Is SDG number noted in Lot header & sample comments?			X
c. If SDG is complete, has the due date been revised & marked closed?			X

5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	X		
b. Was there a CUR?	X		
c. Were all issues resolved?			X

LOT FOLDER REVIEWED BY: JM DATE: 10/4/01

H1I270167

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 46610
Page 1 of ___

Project Name/No. [1] PBOW/825635.05000000
Sample Team Members [2] D Kessler/Hugh Adams
Profit Center No. [3] 3489210
Project Manager [4] Mike Spangler
Purchase Order No. [6] verbal
Required Report Date [11] Normal

Samples Shipment Date [7] 9-26-01
Lab Destination [8] STC North Canton
Lab Contact [9] Sample Custodian
Project Contact/Phone [12] Mike Gunderson
Carrier/Waybill No. [13]

Bill to: [5] IT Corp
312 Directors Dr
Knoxville TN 37923
Acct's Payable

Report to: [10] M. McMyler
IT Corp
312 Directors Dr
Knoxville, TN 37923

ONE CONTAINER PER LINE

Sample Number [14]	Sample Description/Type [15]	Date/Time Collected [16]	Container Type [17]	Sample Volume [18]	Pre-servative [19]	Requested Testing Program [20]	Condition on Receipt [21]	Disposal Record No. [22]
BD3026	water	9-26-01 13:40	HDPE	250-1	HNO_3	HARDNESS		
		9-26-01 13:40	VOAs	80-1	H_2SO_4	TOC		
		9-26-01 1340	1 L HDPE			ALKALINITY CHLORIDE		
						NITRATE SULFATE		
						TDS, TSS, TURBIDITY	180.1	

FOR LAB USE ONLY

FOR LAB USE ONLY

Special Instructions: [23]

Possible Hazard Identification: [24]
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal: [25]
Return to Client ☐ Disposal by Lab ☒ Archive _____ (mos.)

Turnaround Time Required: [26]
Normal ☐ Rush ☐

QC Level: [27]
I. ☐ II. ☐ III. ☒ Project Specific (specify): _____

1. Relinquished by [28] (Signature/Affiliation) Hugh R. Adams	Date: 9-26-01 Time: 18:30	1. Received by [28] (Signature/Affiliation)	Date: 9/27/01 Time: 9:20
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: [29]

MCA 3/16/01

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STL Cooler Receipt Form/Narrative
North Canton Facility

Client: JI / STL North Canton Project: PBOW/ 825635 Quote#:
Cooler Received on: 9/27/01 Opened on: 9/27/01 by: (Signature)

Fedx [✓] Client Drop Off [ ] UPS [ ] Airborne [ ]
Other:

Cooler [ ] Safe [ ] Foam Box [ ] Client Cooler [✓] Kanxville Other:
STL Shipper No#:

1. Were custody seals on the outside of the cooler and intact? Yes [✓] No [ ]
   If YES, Quantity 2 Location SIDES
   Were the custody seals signed and dated? Yes [✓] No [ ] NA [ ]
2. Shipper's packing slip attached to this form? Yes [✓] No [ ]
3. Were custody papers included inside the cooler and relinquished? Yes [✓] No [ ]
4. Did you sign the custody papers in the appropriate place? Yes [✓] No [ ]
5. Packing material used:
Peanuts [ ] Bubble Wrap [✓] Vermiculite [ ] Foam [ ] None [ ] Other :
6. Cooler temperature upon receipt 2.3 °C (see back of form for inultiple coolers/temp)
METHOD: Temperature Vial [✓] Between Coolant & Sample Container [ ] Against Bottles [ ]
COOLANT: Wet Ice [✓] Blue Ice [ ] Dry Ice [ ] Water [ ] None [ ]
7. Were all the bottles sealed in separate plastic bags? Yes [✓] No [ ]
8. Did all bottles arrive in good condition (Unbroken)? Yes [✓] No [ ]
9. Did all bottle labels and tags agree with the custody papers? Yes [✓] No [ ]
10. Were samples at the correct pH? Yes [✓] No [ ] NA [ ]
11. Were correct bottles used for the tests indicated? Yes [✓] No [ ]
12. Were air bubbles >6 mm in any VOA vials? Yes [ ] No [ ] NA [✓]
13. Was a sufficient amount of sample sent in each bottle? Yes [✓] No [ ]
Contacted PM _____ Date: _____ by: _____ via Voice Mail [ ] Verbal [ ] Other [ ]
Concerning:

√	MACRO	MACRO
	1. CHAIN OF CUSTODY	
	SR1A	Samples were received under proper custody procedures and without discrepancies.
	SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred _____
	2. SAMPLE CONDITION	
	SR2A	Sample(s) _____ were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) _____ were received with insufficient volume
	SR2C	Sample(s) _____ were received in a broken container.
	3. SAMPLE PRESERVATION	
	SR3A	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s).
	SR3B	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
	4. NCM	
	SR4A	NCM has been generated. Refer to Clouseau for details
	5. Other Anomalies (see below or back)	

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
1302026	<2	9/27/01	[illegible]

Cooler	Temp	Method	Comments

Discrepancies Cont.

Macro Name:

Macro Name:

Macro Name:

Macro Name:

Other Anomalies:

SEVERN
TRENT
SERVICES

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921-5947

Tel: 865-291-3000
Fax: 865-584-4315
www.stl-inc.com

ANALYTICAL REPORT

PBOW

Lot #: H1I280106

Maureen McMyler

IT Corporation - Knoxville
312 Directors Drive
Knoxville, TN 37923

SEVERN TRENT LABORATORIES, INC.

Jamie A. McKinney
Project Manager

October 31, 2001

H1I280106 Sample Data Summary **1**

Sample Receipt Documentation **184**

Volatiles **194**
Raw Sample Data 195
Standards Data 420
Raw Sample Data 548
Miscellaneous Data 649

Semi-Volatiles **663**
Raw Sample Data 664
Standards Data 686
Raw QC Data 734
Miscellaneous Data 763

Explosives **769**
Raw Sample Data 770
Standards Data 820
Raw QC Data 978
Miscellaneous Data 1001

Explosives **1009**
Raw Sample Data 1010
Standards Data 1045
Raw QC Data 1113
Miscellaneous Data 1127

Metals **1132**
Sample Results 1133
QC Summary 1168
Quality Control Results SuperTrace ICP 1203
Quality Control Results Mercury 1248
Raw Data SuperTrace ICP 1273
Raw Data Mercury 1647
Miscellaneous Data 1679

Wet Chemistry **1713**
Sample Summary 1714
QC Summary 1718
Raw Data 1724

Sample Receipt Documentation 1931

Total Number of Pages 1940

SAMPLE SUMMARY

H1I280106

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EK864	001	BD0001	09/27/01	09:13
EK868	002	BD0002	09/27/01	09:23
EK87C	003	BD0013	09/27/01	14:15
EK87D	004	BD0014	09/27/01	14:40
EK87E	005	BD0015	09/27/01	11:15
EK87F	006	BD0016	09/27/01	11:20
EK87G	007	BD0023	09/27/01	16:28
EK87H	008	BD0024	09/27/01	16:36
EK87J	009	BD0025	09/27/01	15:30
EK87K	010	BD0026	09/27/01	15:30
EK87L	011	BD0028	09/27/01	15:45
EK87M	012	BD3005	09/27/01	16:15
EK87N	013	BD3007	09/27/01	12:20
EK87P	014	BD3010	09/27/01	08:30
EK87Q	015	BD3005	09/27/01	16:15
EK87T	016	BD3007	09/27/01	12:20
EK87V	017	BD3010	09/27/01	08:30
EK894	018	TB092701K	09/27/01	

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.

ANALYTICAL METHODS SUMMARY

H1I280106

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
Nitrate	MCAWW 353.2
Nitroaromatics and Nitramines by HPLC	SW846 8330
Non-Filterable Residue (TSS)	MCAWW 160.2
Percent Moisture	MCAWW 160.3 MOD
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Sulfate	MCAWW 375.4
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	SW846 9060
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Turbidity (Nephelometric)	MCAWW 180.1
Volatile Organics by GC/MS	SW846 8260B

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
H1I280106

The results reported herein are applicable to the samples submitted for analysis only.

The original chain of custody documentation is included with this report.

Sample Receipt

Sample Trip Blank was received but was not listed on the Chain of Custody.

The cyanide portion of samples BD3005, BD3007, and BD3010 were received unpreserved. The samples were preserved to a pH greater than 12 by laboratory personnel.

The metals portion of sample BD3010 was received unpreserved. The sample was preserved to a pH less than 2 by laboratory personnel.

Two of three volatile containers for sample BD3005 were received with headspace.

Subcontract

The following analyses were performed by STL North Canton Laboratory, 4101 Shuffel Drive, NW, North Canton, OH 44720: Hardness (MCAAW 130.2), Total Dissolved Solids (MCAAW 160.1), Total Suspended Solids (MCAAW 160.2), Turbidity (MCAAW 180.1), Alkalinity (MCAAW 310.1), Chloride (MCAAW 325.2), Nitrate (MCAAW 353.2), Sulfate (MCAAW 375.4), and Total Organic Carbon (SW846 9060).

Quality Control

Unless otherwise noted, all holding times and QC criteria were met. The test results shown in this report meet all applicable NELAC requirements. Any exceptions are noted below.

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

STL Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ, California DHS ELAP Cert. #2423, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906 (SDWA, 5/14/01-6/21/02), Hawaii DOH, Indiana DOH Cert. #C-TN-02, Kentucky DEP Lab ID #90101, Louisiana DEQ Agency Interest #83979, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #81001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, 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, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, US Army Corps of Engineers, Naval Facilities Engineering Service Center, US EPA Perchlorate Approval and USDA Soil Permit #S-46424. 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
H1I280106

Volatiles

The concentration of acetone in sample BD0001 exceeded the calibration level of the instrument. The sample was analyzed at a dilution to bring the concentration of the compound into the instrument calibration range. The results for both analyses are reported in order to provide the lowest possible reporting limits.

The concentration of acetone in sample TB092701K exceeded the calibration level of the instrument. A dilution could not be performed since only one vial was received; an estimated value with "E" qualifier was reported for acetone.

Sample BD3005 was reported with elevated reporting limits for all analytes due to the presence of non-target compounds. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

The internal standard recoveries for samples BD0002 and BD0014 were outside QC limits. However, the samples were bracketed by acceptable runs, indicating that a sample matrix effect is responsible for the internal standard criteria not being met.

Semi-Volatiles

Sample BD3005 was reported with elevated reporting limits for all analytes due to the difficult sample matrix. The sample had a sulfur odor, and the chromatogram had 2 large peaks indicating problems with the matrix. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

Explosives

Due to sample matrix interferences, estimated results below the reporting limit were not reported for some analytes. The result was qualified with an "I" flag to indicate the presence of matrix interferences.

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PROJECT NARRATIVE
H1I280106

Explosives (continued)

The matrix spike/matrix spike duplicate recoveries and/or RPDs for sample BD0016 were not calculated because the spikes were diluted out. The laboratory control sample showed acceptable results indicating that the analysis was in control. Results outside of limits do not necessarily reflect poor method performance due to high analyte concentrations in the sample relative to the spike level.

SPLP Explosives

The samples were tumbled for SPLP explosives, however the samples did not separate out. In order to filter enough volume of the samples to perform the extraction for explosives, the samples sat over night to allow the separation to occur.

Due to the difficult sample matrix and the high levels of target analytes in some of the samples, all of the samples for SPLP explosives were extracted using a high level preparation. The high level preparation uses 5 ml of sample instead of 500 ml, and the sample is concentrated to a 10 ml final volume instead of 5 ml. The high level prep provides a two hundred fold dilution. The dilution that appears on the sample data report will contain the two hundred fold dilution multiplied by any further dilutions that were performed on the sample.

The matrix spike/matrix spike duplicate recoveries and/or RPDs for sample BD0016 were not calculated because the spikes were diluted out. The laboratory control sample showed acceptable results indicating that the analysis was in control. Results outside of limits do not necessarily reflect poor method performance due to high analyte concentrations in the sample relative to the spike level.

Due to sample matrix interferences, estimated results below the reporting limit were not reported for some analytes. The result was qualified with an "I" flag to indicate the presence of matrix interferences.

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PROJECT NARRATIVE
H1I280106

Metals

The serial dilution of batch sample BD0004 was outside control limits for aluminium, arsenic, calcium, cobalt, chromium, iron, manganese, sodium, nickel, lead, vanadium and zinc.due to physical or chemical matrix interferences.

The serial dilution of batch sample AC7018 was outside control limits for calcium due to physical or chemical matrix interferences.

The serial dilution of batch sample BD3026 was outside control limits for calcium, potassium and sodium due to physical or chemical matrix interferences.

The matrix spike/matrix spike duplicate recoveries for sample BD0016 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

Cyanide

The standards and samples BD3005, BD3007, and BD3010 were treated with bismuth nitrate to remove sulfide prior to distillation.

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Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0001

GC/MS Volatiles

Lot-Sample #...: H1I280106-001 **Work Order #...:** EK8641AD **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	6.2	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**8.3 B**	**6.2**	**ug/kg**
Acetone	**1100 B,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	**0.77 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
Dibromofluoromethane	90	(76 - 125)
1,2-Dichloroethane-d4	88	(74 - 122)
Toluene-d8	99	(80 - 122)
Bromofluorobenzene	96	(68 - 141)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0001

GC/MS Volatiles

Lot-Sample #...: H1I280106-001 Work Order #...: EK8641AD 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.

E Estimated result. Result concentration exceeds the calibration range.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0001

GC/MS Volatiles

Lot-Sample #...:	H1I280106-001	**Work Order #...:**	EK8642AD	**Matrix.....:**	SOLID
Date Sampled...:	09/27/01	**Date Received..:**	09/28/01		
Prep Date.....:	10/03/01	**Analysis Date..:**	10/03/01		
Prep Batch #...:	1276264				
Dilution Factor:	1				
% Moisture.....:	19	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Acetone	**340 J,D**	**1200**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(62 - 133)
1,2-Dichloroethane-d4	83	(67 - 131)
Toluene-d8	105	(72 - 129)
Bromofluorobenzene	97	(64 - 148)

NOTE(S):

J Estimated result. Result is less than RL.

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: BD0002

GC/MS Volatiles

Lot-Sample #...: H1I280106-002 Work Order #...: EK8681AK Matrix.....: SOLID
Date Sampled...: 09/27/01 Date Received..: 09/28/01
Prep Date.....: 10/02/01 Analysis Date..: 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1
% Moisture.....: 20 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	6.2	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**7.9 B**	**6.2**	**ug/kg**
Acetone	**14 J,B**	**25**	**ug/kg**
Carbon disulfide	**2.9 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	**0.78 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
Dibromofluoromethane	91	(76 - 125)
1,2-Dichloroethane-d4	88	(74 - 122)
Toluene-d8	120	(80 - 122)
Bromofluorobenzene	120	(68 - 141)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0002

GC/MS Volatiles

Lot-Sample #...: H1I280106-002 Work Order #...: EK8681AK 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: BD0013

GC/MS Volatiles

Lot-Sample #...:	H1I280106-003	**Work Order #...:**	EK87C1AK	**Matrix.....:**	SOLID
Date Sampled...:	09/27/01	**Date Received..:**	09/28/01		
Prep Date.....:	10/02/01	**Analysis Date..:**	10/02/01		
Prep Batch #...:	1275204				
Dilution Factor:	1				
% Moisture.....:	22	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	6.4	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**6.7 B**	**6.4**	**ug/kg**
Acetone	**45 B**	**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	**0.75 J**	**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
Dibromofluoromethane	89	(76 - 125)
1,2-Dichloroethane-d4	88	(74 - 122)
Toluene-d8	105	(80 - 122)
Bromofluorobenzene	104	(68 - 141)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0013

GC/MS Volatiles

Lot-Sample #...: H1I280106-003 Work Order #...: EK87C1AK 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: BD0014

GC/MS Volatiles

Lot-Sample #...: H1I280106-004 **Work Order #...:** EK87D1AK **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	6.2	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**7.4 B**	**6.2**	**ug/kg**
Acetone	**150 B**	**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	**0.79 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
Dibromofluoromethane	94	(76 - 125)
1,2-Dichloroethane-d4	94	(74 - 122)
Toluene-d8	122	(80 - 122)
Bromofluorobenzene	123	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0014

GC/MS Volatiles

Lot-Sample #...: H1I280106-004 Work Order #...: EK87D1AK 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: BD0015

GC/MS Volatiles

Lot-Sample #...: H1I280106-005 Work Order #...: EK87E1AK Matrix.....: SOLID
Date Sampled...: 09/27/01 Date Received..: 09/28/01
Prep Date.....: 10/02/01 Analysis Date..: 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1
% Moisture.....: 9.7 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	5.5	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**8.7 B**	**5.5**	**ug/kg**
Acetone	**12 J,B**	**22**	**ug/kg**
Carbon disulfide	ND	5.5	ug/kg
1,1-Dichloroethene	ND	5.5	ug/kg
1,1-Dichloroethane	ND	5.5	ug/kg
1,2-Dichloroethene (total)	ND	5.5	ug/kg
Chloroform	ND	5.5	ug/kg
1,2-Dichloroethane	ND	5.5	ug/kg
2-Butanone	ND	22	ug/kg
1,1,1-Trichloroethane	ND	5.5	ug/kg
Carbon tetrachloride	ND	5.5	ug/kg
Bromodichloromethane	ND	5.5	ug/kg
1,2-Dichloropropane	ND	5.5	ug/kg
cis-1,3-Dichloropropene	ND	5.5	ug/kg
Trichloroethene	ND	5.5	ug/kg
Dibromochloromethane	ND	5.5	ug/kg
1,1,2-Trichloroethane	ND	5.5	ug/kg
Benzene	ND	5.5	ug/kg
trans-1,3-Dichloropropene	ND	5.5	ug/kg
Bromoform	ND	5.5	ug/kg
4-Methyl-2-pentanone	ND	22	ug/kg
2-Hexanone	ND	22	ug/kg
Tetrachloroethene	ND	5.5	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.5	ug/kg
Toluene	**0.78 J**	**5.5**	**ug/kg**
Chlorobenzene	ND	5.5	ug/kg
Ethylbenzene	ND	5.5	ug/kg
Styrene	ND	5.5	ug/kg
Xylenes (total)	ND	5.5	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(76 - 125)
1,2-Dichloroethane-d4	91	(74 - 122)
Toluene-d8	98	(80 - 122)
Bromofluorobenzene	92	(68 - 141)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0015

GC/MS Volatiles

Lot-Sample #...: H1I280106-005 Work Order #...: EK87E1AK 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: BD0016

GC/MS Volatiles

Lot-Sample #...: H1I280106-006 **Work Order #...:** EK87F1A2 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1
% Moisture.....: 6.2 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	5.3	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**8.1 B**	**5.3**	**ug/kg**
Acetone	**8.8 J**	**21**	**ug/kg**
Carbon disulfide	ND	5.3	ug/kg
1,1-Dichloroethene	ND	5.3	ug/kg
1,1-Dichloroethane	ND	5.3	ug/kg
1,2-Dichloroethene (total)	ND	5.3	ug/kg
Chloroform	ND	5.3	ug/kg
1,2-Dichloroethane	ND	5.3	ug/kg
2-Butanone	ND	21	ug/kg
1,1,1-Trichloroethane	ND	5.3	ug/kg
Carbon tetrachloride	ND	5.3	ug/kg
Bromodichloromethane	ND	5.3	ug/kg
1,2-Dichloropropane	ND	5.3	ug/kg
cis-1,3-Dichloropropene	ND	5.3	ug/kg
Trichloroethene	ND	5.3	ug/kg
Dibromochloromethane	ND	5.3	ug/kg
1,1,2-Trichloroethane	ND	5.3	ug/kg
Benzene	ND	5.3	ug/kg
trans-1,3-Dichloropropene	ND	5.3	ug/kg
Bromoform	ND	5.3	ug/kg
4-Methyl-2-pentanone	ND	21	ug/kg
2-Hexanone	ND	21	ug/kg
Tetrachloroethene	ND	5.3	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.3	ug/kg
Toluene	**1.1 J**	**5.3**	**ug/kg**
Chlorobenzene	ND	5.3	ug/kg
Ethylbenzene	ND	5.3	ug/kg
Styrene	ND	5.3	ug/kg
Xylenes (total)	ND	5.3	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 125)
1,2-Dichloroethane-d4	91	(74 - 122)
Toluene-d8	98	(80 - 122)
Bromofluorobenzene	92	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0016

GC/MS Volatiles

Lot-Sample #...: H1I280106-006 Work Order #...: EK87F1A2 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: BD0023

GC/MS Volatiles

Lot-Sample #...:	H1I280106-007	**Work Order #...:**	EK87G1AK	**Matrix.....:**	SOLID
Date Sampled...:	09/27/01	**Date Received..:**	09/28/01		
Prep Date.....:	10/02/01	**Analysis Date..:**	10/02/01		
Prep Batch #...:	1275204				
Dilution Factor:	1				
% Moisture.....:	22	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	6.4	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**8.0 B**	**6.4**	**ug/kg**
Acetone	**530 B**	**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
Dibromofluoromethane	90	(76 - 125)
1,2-Dichloroethane-d4	91	(74 - 122)
Toluene-d8	102	(80 - 122)
Bromofluorobenzene	97	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0023

GC/MS Volatiles

Lot-Sample #...: H1I280106-007 Work Order #...: EK87G1AK 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: BD0024

GC/MS Volatiles

Lot-Sample #...: H1I280106-008 Work Order #...: EK87H1AK Matrix.....: SOLID
Date Sampled...: 09/27/01 Date Received..: 09/28/01
Prep Date.....: 10/02/01 Analysis Date..: 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1
% Moisture.....: 23 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	6.5	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**8.8 B**	**6.5**	**ug/kg**
Acetone	**17 J,B**	**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	**0.71 J**	**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
Dibromofluoromethane	92	(76 - 125)
1,2-Dichloroethane-d4	92	(74 - 122)
Toluene-d8	104	(80 - 122)
Bromofluorobenzene	104	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0024

GC/MS Volatiles

Lot-Sample #...: H1I280106-008 Work Order #...: EK87H1AK 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: BD0025

GC/MS Volatiles

Lot-Sample #...: H1I280106-009 Work Order #...: EK87J1AK Matrix.....: SOLID
Date Sampled...: 09/27/01 Date Received..: 09/28/01
Prep Date.....: 10/03/01 Analysis Date..: 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1
% Moisture.....: 13 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	5.7	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**8.1 B**	**5.7**	**ug/kg**
Acetone	**330**	**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	**3.8 J**	**5.7**	**ug/kg**
Chlorobenzene	ND	5.7	ug/kg
Ethylbenzene	**1.3 J**	**5.7**	**ug/kg**
Styrene	ND	5.7	ug/kg
Xylenes (total)	ND	5.7	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 125)
1,2-Dichloroethane-d4	92	(74 - 122)
Toluene-d8	101	(80 - 122)
Bromofluorobenzene	94	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0025

GC/MS Volatiles

Lot-Sample #...: H1I280106-009 Work Order #...: EK87J1AK 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: BD0026

GC/MS Volatiles

Lot-Sample #...: H1I280106-010 **Work Order #...:** EK87K1AK **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	5.8	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**8.0 B**	**5.8**	**ug/kg**
Acetone	**89**	**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	**2.0 J**	**5.8**	**ug/kg**
Chlorobenzene	ND	5.8	ug/kg
Ethylbenzene	**1.0 J**	**5.8**	**ug/kg**
Styrene	ND	5.8	ug/kg
Xylenes (total)	ND	5.8	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 125)
1,2-Dichloroethane-d4	89	(74 - 122)
Toluene-d8	100	(80 - 122)
Bromofluorobenzene	96	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0026

GC/MS Volatiles

Lot-Sample #...: H1I280106-010 Work Order #...: EK87K1AK 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: BD0028

GC/MS Volatiles

Lot-Sample #...: H1I280106-011 **Work Order #...:** EK87L1AK **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1
% Moisture.....: 22 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	13	ug/kg
Bromomethane	ND	13	ug/kg
Vinyl chloride	ND	6.4	ug/kg
Chloroethane	ND	13	ug/kg
Methylene chloride	**8.1 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	**0.81 J**	**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
Dibromofluoromethane	90	(76 - 125)
1,2-Dichloroethane-d4	88	(74 - 122)
Toluene-d8	102	(80 - 122)
Bromofluorobenzene	101	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0028

GC/MS Volatiles

Lot-Sample #...: H1I280106-011 Work Order #...: EK87L1AK 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: BD3005

GC/MS Volatiles

Lot-Sample #...: H1I280106-012 Work Order #...: EK87M1A4 Matrix.....: WATER
Date Sampled...: 09/27/01 Date Received..: 09/28/01
Prep Date.....: 10/05/01 Analysis Date..: 10/05/01
Prep Batch #...: 1278157
Dilution Factor: 5 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	5.0	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	**2.2 J,B**	**10**	**ug/L**
Acetone	**22 J**	**50**	**ug/L**
Carbon disulfide	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	25	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	**11**	**5.0**	**ug/L**
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	25	ug/L
2-Hexanone	ND	25	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	**11**	**5.0**	**ug/L**
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	**4.0 J**	**5.0**	**ug/L**
Styrene	ND	5.0	ug/L
Xylenes (total)	**28**	**5.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(80 - 120)
1,2-Dichloroethane-d4	91	(80 - 120)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	96	(72 - 135)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3005

GC/MS Volatiles

Lot-Sample #...: H1I280106-012 Work Order #...: EK87M1A4 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: BD3007

GC/MS Volatiles

Lot-Sample #...: H1I280106-013 Work Order #...: EK87N1AF Matrix.....: WATER
Date Sampled...: 09/27/01 Date Received..: 09/28/01
Prep Date.....: 10/05/01 Analysis Date..: 10/05/01
Prep Batch #...: 1278157
Dilution Factor: 1 Method.....: SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(80 - 120)
1,2-Dichloroethane-d4	90	(80 - 120)
Toluene-d8	98	(80 - 120)
Bromofluorobenzene	98	(72 - 135)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3010

GC/MS Volatiles

Lot-Sample #...: H1I280106-014 **Work Order #...:** EK87P1AF **Matrix.....:** WATER
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/05/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1278157
Dilution Factor: 1 **Method.....:** SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(80 - 120)
1,2-Dichloroethane-d4	89	(80 - 120)
Toluene-d8	101	(80 - 120)
Bromofluorobenzene	97	(72 - 135)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3010

GC/MS Volatiles

Lot-Sample #...: H1I280106-014 Work Order #...: EK87P1AF Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: TB092701K

GC/MS Volatiles

Lot-Sample #...: H1I280106-018 **Work Order #...:** EK8941AA **Matrix.....:** WATER
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/05/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1278157
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.69 J,B**	**2.0**	**ug/L**
Acetone	**240 E**	**10**	**ug/L**
Carbon disulfide	**0.45 J**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	**14**	**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	**0.37 J**	**1.0**	**ug/L**
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	**1.9**	**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	(80 - 120)
1,2-Dichloroethane-d4	89	(80 - 120)
Toluene-d8	100	(80 - 120)
Bromofluorobenzene	97	(72 - 135)

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IT CORPORATION - KNOXVILLE

Client Sample ID: TB092701K

GC/MS Volatiles

Lot-Sample #...: H1I280106-018 Work Order #...: EK8941AA 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.

E Estimated result. Result concentration exceeds the calibration range.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1I280106 **Work Order #...:** ELEME1AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J020000-204

Prep Date.....: 10/02/01
Analysis Date..: 10/02/01 **Prep Batch #...:** 1275204
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Methylene chloride	**4.0 J**	**5.0**	**ug/kg**	**SW846 8260B**
Acetone	**9.2 J**	**20**	**ug/kg**	**SW846 8260B**
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethene (total)	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260B
2-Hexanone	ND	20	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(76 - 125)
1,2-Dichloroethane-d4	88	(74 - 122)
Toluene-d8	96	(80 - 122)
Bromofluorobenzene	88	(68 - 141)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1I280106 Work Order #...: ELEME1AA Matrix.....: SOLID

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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1I280106 **Work Order #...:** ELEME1AC **Matrix.....:** SOLID
LCS Lot-Sample#: H1J020000-204
Prep Date.....: 10/02/01 **Analysis Date..:** 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**50.0**	**49.8**	**ug/kg**	**100**	**SW846 8260B**
Trichloroethene	**50.0**	**49.7**	**ug/kg**	**99**	**SW846 8260B**
Benzene	**50.0**	**49.2**	**ug/kg**	**98**	**SW846 8260B**
Toluene	**50.0**	**50.5**	**ug/kg**	**101**	**SW846 8260B**
Chlorobenzene	**50.0**	**50.6**	**ug/kg**	**101**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(76 - 125)
1,2-Dichloroethane-d4	86	(74 - 122)
Toluene-d8	98	(80 - 122)
Bromofluorobenzene	91	(68 - 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 Volatiles

Client Lot #...: H1I280106 **Work Order #...:** ELEME1AC **Matrix.....:** SOLID
LCS Lot-Sample#: H1J020000-204
Prep Date.....: 10/02/01 **Analysis Date..:** 10/02/01
Prep Batch #...: 1275204
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**100**	**(75 - 128)**	**SW846 8260B**
Trichloroethene	**99**	**(80 - 120)**	**SW846 8260B**
Benzene	**98**	**(80 - 120)**	**SW846 8260B**
Toluene	**101**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**101**	**(80 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(76 - 125)
1,2-Dichloroethane-d4	86	(74 - 122)
Toluene-d8	98	(80 - 122)
Bromofluorobenzene	91	(68 - 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 Volatiles

Client Lot #...: H1I280106 **Work Order #...:** ELGTF1AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J030000-259

Prep Date.....: 10/03/01
Analysis Date..: 10/03/01 **Prep Batch #...:** 1276259
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Methylene chloride	**3.2 J**	**5.0**	**ug/kg**	**SW846 8260B**
Acetone	ND	20	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethene (total)	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260B
2-Hexanone	ND	20	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(76 - 125)
1,2-Dichloroethane-d4	89	(74 - 122)
Toluene-d8	97	(80 - 122)
Bromofluorobenzene	87	(68 - 141)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1I280106 Work Order #...: ELGTF1AA Matrix.....: SOLID

NOTE(S):

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

J Estimated result. Result is less than RL.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H1I280106 **Work Order #...:** EK87F1A3-MS **Matrix.....:** SOLID
MS Lot-Sample #: H1I280106-006 EK87F1A4-MSD
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1 **% Moisture.....:** 6.2

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**ND**	**58.1**	**55.5**	**ug/kg**	**96**		**SW846 8260B**
	ND	**56.1**	**54.8**	**ug/kg**	**98**	**1.2**	**SW846 8260B**
Trichloroethene	**ND**	**58.1**	**55.2**	**ug/kg**	**95**		**SW846 8260B**
	ND	**56.1**	**53.7**	**ug/kg**	**96**	**2.7**	**SW846 8260B**
Benzene	**ND**	**58.1**	**56.2**	**ug/kg**	**97**		**SW846 8260B**
	ND	**56.1**	**54.7**	**ug/kg**	**98**	**2.7**	**SW846 8260B**
Toluene	**1.1**	**58.1**	**58.4**	**ug/kg**	**99**		**SW846 8260B**
	1.1	**56.1**	**56.1**	**ug/kg**	**98**	**4.1**	**SW846 8260B**
Chlorobenzene	**ND**	**58.1**	**56.5**	**ug/kg**	**97**		**SW846 8260B**
	ND	**56.1**	**54.9**	**ug/kg**	**98**	**2.9**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(76 - 125)
	94	(76 - 125)
1,2-Dichloroethane-d4	88	(74 - 122)
	91	(74 - 122)
Toluene-d8	97	(80 - 122)
	97	(80 - 122)
Bromofluorobenzene	90	(68 - 141)
	92	(68 - 141)

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.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1I280106 **Work Order #...:** EK87F1A3-MS **Matrix.....:** SOLID
MS Lot-Sample #: H1I280106-006 EK87F1A4-MSD
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1 **% Moisture.....:** 6.2

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**96**	**(51 - 143)**			**SW846 8260B**
	98	**(51 - 143)**	**1.2**	**(0-20)**	**SW846 8260B**
Trichloroethene	**95**	**(57 - 129)**			**SW846 8260B**
	96	**(57 - 129)**	**2.7**	**(0-20)**	**SW846 8260B**
Benzene	**97**	**(44 - 141)**			**SW846 8260B**
	98	**(44 - 141)**	**2.7**	**(0-20)**	**SW846 8260B**
Toluene	**99**	**(43 - 138)**			**SW846 8260B**
	98	**(43 - 138)**	**4.1**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**97**	**(38 - 138)**			**SW846 8260B**
	98	**(38 - 138)**	**2.9**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(76 - 125)
	94	(76 - 125)
1,2-Dichloroethane-d4	88	(74 - 122)
	91	(74 - 122)
Toluene-d8	97	(80 - 122)
	97	(80 - 122)
Bromofluorobenzene	90	(68 - 141)
	92	(68 - 141)

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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1I280106 **Work Order #...:** ELGTF1AC **Matrix.....:** SOLID
LCS Lot-Sample#: H1J030000-259
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**50.0**	**49.8**	**ug/kg**	**100**	**SW846 8260B**
Trichloroethene	**50.0**	**49.9**	**ug/kg**	**100**	**SW846 8260B**
Benzene	**50.0**	**50.6**	**ug/kg**	**101**	**SW846 8260B**
Toluene	**50.0**	**52.0**	**ug/kg**	**104**	**SW846 8260B**
Chlorobenzene	**50.0**	**52.5**	**ug/kg**	**105**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 125)
1,2-Dichloroethane-d4	90	(74 - 122)
Toluene-d8	97	(80 - 122)
Bromofluorobenzene	87	(68 - 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 Volatiles

Client Lot #...: H1I280106 **Work Order #...:** ELGTF1AC **Matrix.....:** SOLID
LCS Lot-Sample#: H1J030000-259
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**100**	**(75 - 128)**	**SW846 8260B**
Trichloroethene	**100**	**(80 - 120)**	**SW846 8260B**
Benzene	**101**	**(80 - 120)**	**SW846 8260B**
Toluene	**104**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**105**	**(80 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 125)
1,2-Dichloroethane-d4	90	(74 - 122)
Toluene-d8	97	(80 - 122)
Bromofluorobenzene	87	(68 - 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 Volatiles

Client Lot #...: H1I280106 **Work Order #...:** ELGWG1AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J030000-264

Prep Date.....: 10/03/01
Analysis Date..: 10/03/01 **Prep Batch #...:** 1276264
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	1000	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(62 - 133)
1,2-Dichloroethane-d4	84	(67 - 131)
Toluene-d8	105	(72 - 129)
Bromofluorobenzene	96	(64 - 148)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H1I280106 **Work Order #...:** ELGWG1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: H1J030000-264 ELGWG1AD-LCSD
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276264
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**2500**	**2140**	**ug/kg**	**86**		**SW846 8260B**
	2500	**2240**	**ug/kg**	**90**	**4.8**	**SW846 8260B**
Benzene	**2500**	**2540**	**ug/kg**	**102**		**SW846 8260B**
	2500	**2610**	**ug/kg**	**104**	**2.7**	**SW846 8260B**
Trichloroethene	**2500**	**2420**	**ug/kg**	**97**		**SW846 8260B**
	2500	**2440**	**ug/kg**	**98**	**0.79**	**SW846 8260B**
Toluene	**2500**	**2800**	**ug/kg**	**112**		**SW846 8260B**
	2500	**2910**	**ug/kg**	**116**	**3.7**	**SW846 8260B**
Chlorobenzene	**2500**	**2680**	**ug/kg**	**107**		**SW846 8260B**
	2500	**2740**	**ug/kg**	**110**	**2.2**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	77	(62 - 133)
	97	(62 - 133)
1,2-Dichloroethane-d4	72	(67 - 131)
	91	(67 - 131)
Toluene-d8	89	(72 - 129)
	109	(72 - 129)
Bromofluorobenzene	82	(64 - 148)
	99	(64 - 148)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1I280106 **Work Order #...:** ELGWG1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: H1J030000-264 ELGWG1AD-LCSD
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276264
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**86**	**(57 - 128)**			**SW846 8260B**
	90	**(57 - 128)**	**4.8**	**(0-23)**	**SW846 8260B**
Benzene	**102**	**(76 - 128)**			**SW846 8260B**
	104	**(76 - 128)**	**2.7**	**(0-19)**	**SW846 8260B**
Trichloroethene	**97**	**(80 - 129)**			**SW846 8260B**
	98	**(80 - 129)**	**0.79**	**(0-18)**	**SW846 8260B**
Toluene	**112**	**(75 - 131)**			**SW846 8260B**
	116	**(75 - 131)**	**3.7**	**(0-24)**	**SW846 8260B**
Chlorobenzene	**107**	**(80 - 129)**			**SW846 8260B**
	110	**(80 - 129)**	**2.2**	**(0-22)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	77	(62 - 133)
	97	(62 - 133)
1,2-Dichloroethane-d4	72	(67 - 131)
	91	(67 - 131)
Toluene-d8	89	(72 - 129)
	109	(72 - 129)
Bromofluorobenzene	82	(64 - 148)
	99	(64 - 148)

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 #...: H1I280106 **Work Order #...:** ELL051AA **Matrix.....:** WATER
MB Lot-Sample #: H1J050000-157

Prep Date.....: 10/05/01
Analysis Date..: 10/05/01 **Prep Batch #...:** 1278157
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	91	(80 - 120)
Toluene-d8	100	(80 - 120)
Bromofluorobenzene	95	(72 - 135)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1I280106 Work Order #...: ELL051AA 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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1I280106 **Work Order #...:** ELL051AC **Matrix.....:** WATER
LCS Lot-Sample#: H1J050000-157
Prep Date.....: 10/05/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1278157
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**10.1**	**ug/L**	**101**	**SW846 8260B**
Trichloroethene	**10.0**	**10.6**	**ug/L**	**106**	**SW846 8260B**
Benzene	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**
Toluene	**10.0**	**11.1**	**ug/L**	**111**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	89	(80 - 120)
Toluene-d8	102	(80 - 120)
Bromofluorobenzene	94	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1I280106 **Work Order #...:** ELL051AC **Matrix.....:** WATER
LCS Lot-Sample#: H1J050000-157
Prep Date.....: 10/05/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1278157
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**101**	**(69 - 120)**	**SW846 8260B**
Trichloroethene	**106**	**(76 - 120)**	**SW846 8260B**
Benzene	**105**	**(76 - 120)**	**SW846 8260B**
Toluene	**111**	**(77 - 120)**	**SW846 8260B**
Chlorobenzene	**105**	**(75 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	89	(80 - 120)
Toluene-d8	102	(80 - 120)
Bromofluorobenzene	94	(72 - 135)

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: BD3005

GC/MS Semivolatiles

Lot-Sample #...: H1I280106-012 **Work Order #...:** EK87M1A5 **Matrix.....:** WATER
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 09/28/01 **Analysis Date..:** 10/07/01
Prep Batch #...: 1271225
Dilution Factor: 2 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	20	ug/L
bis(2-Chloroethyl)-ether	ND	20	ug/L
2-Chlorophenol	ND	20	ug/L
1,3-Dichlorobenzene	ND	20	ug/L
1,4-Dichlorobenzene	ND	20	ug/L
1,2-Dichlorobenzene	ND	20	ug/L
2-Methylphenol	ND	20	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	20	ug/L
4-Methylphenol	ND	20	ug/L
N-Nitrosodi-n-propyl-amine	ND	20	ug/L
Hexachloroethane	ND	20	ug/L
Nitrobenzene	ND	20	ug/L
Isophorone	ND	20	ug/L
2-Nitrophenol	ND	20	ug/L
2,4-Dimethylphenol	ND	20	ug/L
bis(2-Chloroethoxy) methane	ND	20	ug/L
2,4-Dichlorophenol	ND	20	ug/L
1,2,4-Trichloro-benzene	ND	20	ug/L
Naphthalene	ND	20	ug/L
4-Chloroaniline	ND	20	ug/L
Hexachlorobutadiene	ND	20	ug/L
4-Chloro-3-methylphenol	ND	20	ug/L
2-Methylnaphthalene	ND	20	ug/L
Hexachlorocyclopenta-diene	ND	100	ug/L
2,4,6-Trichloro-phenol	ND	20	ug/L
2,4,5-Trichloro-phenol	ND	20	ug/L
2-Chloronaphthalene	ND	20	ug/L
2-Nitroaniline	ND	100	ug/L
Dimethyl phthalate	ND	20	ug/L
Acenaphthylene	ND	20	ug/L
2,6-Dinitrotoluene	ND	20	ug/L

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3005

GC/MS Semivolatiles

Lot-Sample #...: H1I280106-012 **Work Order #...:** EK87M1A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	100	ug/L
Acenaphthene	ND	20	ug/L
2,4-Dinitrophenol	ND	100	ug/L
4-Nitrophenol	ND	100	ug/L
Dibenzofuran	ND	20	ug/L
2,4-Dinitrotoluene	ND	20	ug/L
Diethyl phthalate	ND	20	ug/L
4-Chlorophenyl phenyl ether	ND	20	ug/L
Fluorene	ND	20	ug/L
4-Nitroaniline	ND	100	ug/L
4,6-Dinitro-2-methylphenol	ND	100	ug/L
N-Nitrosodiphenylamine	ND	20	ug/L
4-Bromophenyl phenyl ether	ND	20	ug/L
Hexachlorobenzene	ND	20	ug/L
Pentachlorophenol	ND	100	ug/L
Phenanthrene	ND	20	ug/L
Anthracene	ND	20	ug/L
Carbazole	ND	20	ug/L
Di-n-butyl phthalate	ND	20	ug/L
Fluoranthene	ND	20	ug/L
Pyrene	ND	20	ug/L
Butyl benzyl phthalate	ND	20	ug/L
3,3'-Dichlorobenzidine	ND	100	ug/L
Benzo(a)anthracene	ND	20	ug/L
Chrysene	ND	20	ug/L
bis(2-Ethylhexyl) phthalate	ND	20	ug/L
Di-n-octyl phthalate	ND	20	ug/L
Benzo(b)fluoranthene	ND	20	ug/L
Benzo(k)fluoranthene	ND	20	ug/L
Benzo(a)pyrene	ND	20	ug/L
Indeno(1,2,3-cd)pyrene	ND	20	ug/L
Dibenz(a,h)anthracene	ND	20	ug/L
Benzo(ghi)perylene	ND	20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(29 - 110)
Phenol-d5	74	(41 - 115)
Nitrobenzene-d5	79	(46 - 117)
2-Fluorobiphenyl	79	(44 - 116)
2,4,6-Tribromophenol	85	(31 - 138)
Terphenyl-d14	89	(36 - 134)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3007

GC/MS Semivolatiles

Lot-Sample #...: H1I280106-013 **Work Order #...:** EK87N1AG **Matrix.....:** WATER
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 09/28/01 **Analysis Date..:** 10/07/01
Prep Batch #...: 1271225
Dilution Factor: 1 **Method.....:** SW846 8270C

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-propyl-amine	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-Trichloro-benzene	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
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3007

GC/MS Semivolatiles

Lot-Sample #...: H1I280106-013 **Work Order #...:** EK87N1AG **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	75	(29 - 110)
Phenol-d5	84	(41 - 115)
Nitrobenzene-d5	85	(46 - 117)
2-Fluorobiphenyl	89	(44 - 116)
2,4,6-Tribromophenol	87	(31 - 138)
Terphenyl-d14	91	(36 - 134)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3010

GC/MS Semivolatiles

Lot-Sample #...: H1I280106-014 **Work Order #...:** EK87P1AG **Matrix.....:** WATER
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 09/28/01 **Analysis Date..:** 10/07/01
Prep Batch #...: 1271225
Dilution Factor: 1 **Method.....:** SW846 8270C

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-propyl-amine	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-Trichloro-benzene	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
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3010

GC/MS Semivolatiles

Lot-Sample #...: H1I280106-014 **Work Order #...:** EK87P1AG **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	(29 - 110)
Phenol-d5	83	(41 - 115)
Nitrobenzene-d5	71	(46 - 117)
2-Fluorobiphenyl	89	(44 - 116)
2,4,6-Tribromophenol	75	(31 - 138)
Terphenyl-d14	92	(36 - 134)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1I280106 **Work Order #...:** EK9DA1AA **Matrix.....:** WATER
MB Lot-Sample #: H1I280000-225

Prep Date.....: 09/28/01
Analysis Date..: 10/07/01 **Prep Batch #...:** 1271225
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1I280106 **Work Order #...:** EK9DA1AA **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(29 - 110)
Phenol-d5	79	(41 - 115)
Nitrobenzene-d5	87	(46 - 117)
2-Fluorobiphenyl	86	(44 - 116)
2,4,6-Tribromophenol	83	(31 - 138)
Terphenyl-d14	95	(36 - 134)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1I280106 Work Order #...: EK9DA1AA Matrix.....: WATER

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1I280106 Work Order #...: EK9DA1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1I280000-225 EK9DA1AD-LCSD
Prep Date.....: 09/28/01 Analysis Date..: 10/07/01
Prep Batch #...: 1271225
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Phenol	100	91.2	ug/L	91		SW846 8270C
	100	95.0	ug/L	95	4.1	SW846 8270C
2-Chlorophenol	100	90.8	ug/L	91		SW846 8270C
	100	93.2	ug/L	93	2.6	SW846 8270C
1,4-Dichlorobenzene	100	86.8	ug/L	87		SW846 8270C
	100	91.0	ug/L	91	4.7	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	95.0	ug/L	95		SW846 8270C
	100	99.9	ug/L	100	5.0	SW846 8270C
1,2,4-Trichloro-benzene	100	90.8	ug/L	91		SW846 8270C
	100	93.1	ug/L	93	2.5	SW846 8270C
4-Chloro-3-methylphenol	100	95.3	ug/L	95		SW846 8270C
	100	99.5	ug/L	100	4.3	SW846 8270C
Acenaphthene	100	78.7	ug/L	79		SW846 8270C
	100	81.0	ug/L	81	2.9	SW846 8270C
4-Nitrophenol	100	96.1	ug/L	96		SW846 8270C
	100	106	ug/L	106	9.8	SW846 8270C
2,4-Dinitrotoluene	100	107	ug/L	107		SW846 8270C
	100	114	ug/L	114	6.3	SW846 8270C
Pentachlorophenol	100	91.2	ug/L	91		SW846 8270C
	100	97.8	ug/L	98	7.0	SW846 8270C
Pyrene	100	81.8	ug/L	82		SW846 8270C
	100	83.9	ug/L	84	2.5	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	89	(29 - 110)
	86	(29 - 110)
Phenol-d5	95	(41 - 115)
	98	(41 - 115)
Nitrobenzene-d5	98	(46 - 117)
	104	(46 - 117)
2-Fluorobiphenyl	96	(44 - 116)
	98	(44 - 116)
2,4,6-Tribromophenol	105	(31 - 138)
	108	(31 - 138)
Terphenyl-d14	99	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1I280106 **Work Order #...:** EK9DA1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1I280000-225 EK9DA1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	102	(36 - 134)

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 #...: H1I280106 Work Order #...: EK9DA1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1I280000-225 EK9DA1AD-LCSD
Prep Date.....: 09/28/01 Analysis Date..: 10/07/01
Prep Batch #...: 1271225
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	91	(61 - 111)			SW846 8270C
	95	(61 - 111)	4.1	(0-39)	SW846 8270C
2-Chlorophenol	91	(61 - 110)			SW846 8270C
	93	(61 - 110)	2.6	(0-41)	SW846 8270C
1,4-Dichlorobenzene	87	(49 - 110)			SW846 8270C
	91	(49 - 110)	4.7	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	95	(62 - 117)			SW846 8270C
	100	(62 - 117)	5.0	(0-31)	SW846 8270C
1,2,4-Trichloro-benzene	91	(64 - 109)			SW846 8270C
	93	(64 - 109)	2.5	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	95	(70 - 109)			SW846 8270C
	100	(70 - 109)	4.3	(0-28)	SW846 8270C
Acenaphthene	79	(69 - 107)			SW846 8270C
	81	(69 - 107)	2.9	(0-29)	SW846 8270C
4-Nitrophenol	96	(59 - 120)			SW846 8270C
	106	(59 - 120)	9.8	(0-30)	SW846 8270C
2,4-Dinitrotoluene	107	(77 - 118)			SW846 8270C
	114	(77 - 118)	6.3	(0-29)	SW846 8270C
Pentachlorophenol	91	(38 - 124)			SW846 8270C
	98	(38 - 124)	7.0	(0-41)	SW846 8270C
Pyrene	82	(75 - 125)			SW846 8270C
	84	(75 - 125)	2.5	(0-26)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	89	(29 - 110)
	86	(29 - 110)
Phenol-d5	95	(41 - 115)
	98	(41 - 115)
Nitrobenzene-d5	98	(46 - 117)
	104	(46 - 117)
2-Fluorobiphenyl	96	(44 - 116)
	98	(44 - 116)
2,4,6-Tribromophenol	105	(31 - 138)
	108	(31 - 138)
Terphenyl-d14	99	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1I280106 **Work Order #...:** EK9DA1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1I280000-225 EK9DA1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	102	(36 - 134)

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: BD0001

HPLC

Lot-Sample #...: H1I280106-001 **Work Order #...:** EK8641AE **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1274179
Dilution Factor: 5
% Moisture.....: 19 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	2.5	mg/kg
RDX	ND G	4.3	mg/kg
1,3,5-Trinitrobenzene	**31**	**1.2**	**mg/kg**
1,3-Dinitrobenzene	**4.6**	**1.2**	**mg/kg**
Tetryl	ND	3.2	mg/kg
Nitrobenzene	ND	1.2	mg/kg
2,4,6-Trinitrotoluene	ND	1.2	mg/kg
4-Amino-2,6-dinitrotoluene	ND	1.2	mg/kg
2-Amino-4,6-dinitrotoluene	ND	1.2	mg/kg
2,6-Dinitrotoluene	ND I	1.2	mg/kg
2,4-Dinitrotoluene	**14**	**1.2**	**mg/kg**
2-Nitrotoluene	ND	1.2	mg/kg
4-Nitrotoluene	ND	1.2	mg/kg
3-Nitrotoluene	ND	1.2	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	93	(74 - 121)

NOTE(S):

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

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0002

HPLC

Lot-Sample #...: H1I280106-002 **Work Order #...:** EK8681AL **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/04/01
Prep Batch #...: 1274179
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	**1.0**	**0.25**	**mg/kg**
1,3-Dinitrobenzene	**0.064 J**	**0.25**	**mg/kg**
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND I	0.25	mg/kg
4-Amino-2,6-dinitrotoluene	ND I	0.25	mg/kg
2-Amino-4,6-dinitrotoluene	ND I	0.25	mg/kg
2,6-Dinitrotoluene	**0.48**	**0.25**	**mg/kg**
2,4-Dinitrotoluene	**0.48**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	85	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0013

HPLC

Lot-Sample #...: H1I280106-003 **Work Order #...:** EK87C1AL **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/04/01
Prep Batch #...: 1274179
Dilution Factor: 1
% Moisture.....: 22 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	**2.7**	**0.25**	**mg/kg**
4-Amino-2,6-dinitrotoluene	**2.3**	**0.25**	**mg/kg**
2-Amino-4,6-dinitrotoluene	**2.4**	**0.25**	**mg/kg**
2,6-Dinitrotoluene	**2.0**	**0.25**	**mg/kg**
2,4-Dinitrotoluene	**2.8**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	87	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0014

HPLC

Lot-Sample #...: H1I280106-004 **Work Order #...:** EK87D1AL **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/04/01
Prep Batch #...: 1274179
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	**0.55**	**0.25**	**mg/kg**
4-Amino-2,6-dinitrotoluene	**0.35**	**0.25**	**mg/kg**
2-Amino-4,6-dinitrotoluene	**0.43**	**0.25**	**mg/kg**
2,6-Dinitrotoluene	**0.40**	**0.25**	**mg/kg**
2,4-Dinitrotoluene	**0.54**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	83	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0015

HPLC

Lot-Sample #...: H1I280106-005 **Work Order #...:** EK87E1AL **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 600
% Moisture.....: 9.7 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	300	mg/kg
RDX	ND	300	mg/kg
1,3,5-Trinitrobenzene	ND	150	mg/kg
1,3-Dinitrobenzene	ND	150	mg/kg
Tetryl	ND	390	mg/kg
Nitrobenzene	ND	150	mg/kg
2,4,6-Trinitrotoluene	**3100**	**150**	**mg/kg**
4-Amino-2,6-dinitrotoluene	ND G	740	mg/kg
2-Amino-4,6-dinitrotoluene	ND I	150	mg/kg
2,6-Dinitrotoluene	**1500**	**150**	**mg/kg**
2,4-Dinitrotoluene	**2400**	**150**	**mg/kg**
2-Nitrotoluene	ND	150	mg/kg
4-Nitrotoluene	ND	150	mg/kg
3-Nitrotoluene	ND	150	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(74 - 121)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

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

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0016

HPLC

Lot-Sample #...: H1I280106-006 **Work Order #...:** EK87F1A5 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 600
% Moisture.....: 6.2 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	300	mg/kg
RDX	ND	300	mg/kg
1,3,5-Trinitrobenzene	ND	150	mg/kg
1,3-Dinitrobenzene	ND	150	mg/kg
Tetryl	ND	390	mg/kg
Nitrobenzene	ND	150	mg/kg
2,4,6-Trinitrotoluene	**2200**	**150**	**mg/kg**
4-Amino-2,6-dinitrotoluene	ND	150	mg/kg
2-Amino-4,6-dinitrotoluene	ND	150	mg/kg
2,6-Dinitrotoluene	**630**	**150**	**mg/kg**
2,4-Dinitrotoluene	**2100**	**150**	**mg/kg**
2-Nitrotoluene	ND	150	mg/kg
4-Nitrotoluene	ND	150	mg/kg
3-Nitrotoluene	ND	150	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(74 - 121)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0023

HPLC

Lot-Sample #...: H1I280106-007 **Work Order #...:** EK87G1AL **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 1
% Moisture.....: 22 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	**1.0**	**0.25**	**mg/kg**
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
2-Amino-4,6-dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	**0.35**	**0.25**	**mg/kg**
2,4-Dinitrotoluene	**0.71**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	85	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0024

HPLC

Lot-Sample #...: H1I280106-008 **Work Order #...:** EK87H1AL **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 1
% Moisture.....: 23 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND I	0.50	mg/kg
1,3,5-Trinitrobenzene	**1.7**	**0.25**	**mg/kg**
1,3-Dinitrobenzene	**0.31**	**0.25**	**mg/kg**
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND I	0.25	mg/kg
4-Amino-2,6-dinitrotoluene	**0.16 J**	**0.25**	**mg/kg**
2-Amino-4,6-dinitrotoluene	**0.11 J**	**0.25**	**mg/kg**
2,6-Dinitrotoluene	**0.27**	**0.25**	**mg/kg**
2,4-Dinitrotoluene	**2.7**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND I	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	79	(74 - 121)

NOTE(S):

I Matrix interference.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0025

HPLC

Lot-Sample #...: H1I280106-009 **Work Order #...:** EK87J1AL **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 1
% Moisture.....: 13 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	**0.16 J**	**0.25**	**mg/kg**
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
2-Amino-4,6-dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND I	0.25	mg/kg
2,4-Dinitrotoluene	**0.29**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	84	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0026

HPLC

Lot-Sample #...: H1I280106-010 **Work Order #...:** EK87K1AL **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	**0.11 J**	**0.25**	**mg/kg**
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
2-Amino-4,6-dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND I	0.25	mg/kg
2,4-Dinitrotoluene	**0.27**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	83	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0028

HPLC

Lot-Sample #...: H1I280106-011 **Work Order #...:** EK87L1AL **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/01/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 3
% Moisture.....: 22 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	1.5	mg/kg
RDX	ND I	1.5	mg/kg
1,3,5-Trinitrobenzene	**11**	**0.75**	**mg/kg**
1,3-Dinitrobenzene	**2.4**	**0.75**	**mg/kg**
Tetryl	ND	2.0	mg/kg
Nitrobenzene	ND	0.75	mg/kg
2,4,6-Trinitrotoluene	ND I	0.75	mg/kg
4-Amino-2,6-dinitrotoluene	ND	0.75	mg/kg
2-Amino-4,6-dinitrotoluene	ND	0.75	mg/kg
2,6-Dinitrotoluene	**0.64 J**	**0.75**	**mg/kg**
2,4-Dinitrotoluene	**6.5**	**0.75**	**mg/kg**
2-Nitrotoluene	ND	0.75	mg/kg
4-Nitrotoluene	ND I	0.75	mg/kg
3-Nitrotoluene	ND	0.75	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	91	(74 - 121)

NOTE(S):

I Matrix interference.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3005

HPLC

Lot-Sample #...: H1I280106-012 **Work Order #...:** EK87M1A3 **Matrix.....:** WATER
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1275198
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	68	(53 - 133)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3007

HPLC

Lot-Sample #...: H1I280106-013 **Work Order #...:** EK87N1AE **Matrix.....:** WATER
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1275198
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	63	(53 - 133)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3010

HPLC

Lot-Sample #...: H1I280106-014 **Work Order #...:** EK87P1AE **Matrix.....:** WATER
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1275198
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	71	(53 - 133)

METHOD BLANK REPORT

HPLC

Client Lot #...: H1I280106 **Work Order #...:** ELDDC1AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J010000-179

Prep Date.....: 10/01/01
Analysis Date..: 10/05/01 **Prep Batch #...:** 1274179
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	82	(74 - 121)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1I280106 **Work Order #...:** ELDDC1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: H1J010000-179 ELDDC1AD-LCSD
Prep Date.....: 10/01/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	**3.00**	**2.93**	**mg/kg**	**98**		**SW846 8330**
	3.00	**2.94**	**mg/kg**	**98**	**0.46**	**SW846 8330**
RDX	**3.00**	**2.92**	**mg/kg**	**97**		**SW846 8330**
	3.00	**2.96**	**mg/kg**	**99**	**1.4**	**SW846 8330**
1,3,5-Trinitrobenzene	**3.00**	**2.84**	**mg/kg**	**95**		**SW846 8330**
	3.00	**2.87**	**mg/kg**	**96**	**1.3**	**SW846 8330**
1,3-Dinitrobenzene	**3.00**	**2.82**	**mg/kg**	**94**		**SW846 8330**
	3.00	**2.85**	**mg/kg**	**95**	**1.0**	**SW846 8330**
Tetryl	**3.00**	**2.50**	**mg/kg**	**83**		**SW846 8330**
	3.00	**2.54**	**mg/kg**	**85**	**1.3**	**SW846 8330**
Nitrobenzene	**3.00**	**2.88**	**mg/kg**	**96**		**SW846 8330**
	3.00	**2.93**	**mg/kg**	**98**	**1.8**	**SW846 8330**
2,4,6-Trinitrotoluene	**3.00**	**2.98**	**mg/kg**	**99**		**SW846 8330**
	3.00	**3.02**	**mg/kg**	**101**	**1.4**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**3.00**	**3.32**	**mg/kg**	**111**		**SW846 8330**
	3.00	**3.33**	**mg/kg**	**111**	**0.25**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**3.00**	**3.03**	**mg/kg**	**101**		**SW846 8330**
	3.00	**3.07**	**mg/kg**	**102**	**1.3**	**SW846 8330**
2,6-Dinitrotoluene	**3.00**	**2.96**	**mg/kg**	**99**		**SW846 8330**
	3.00	**2.96**	**mg/kg**	**99**	**0.13**	**SW846 8330**
2,4-Dinitrotoluene	**3.00**	**2.98**	**mg/kg**	**99**		**SW846 8330**
	3.00	**2.97**	**mg/kg**	**99**	**0.30**	**SW846 8330**
2-Nitrotoluene	**3.00**	**2.89**	**mg/kg**	**96**		**SW846 8330**
	3.00	**2.89**	**mg/kg**	**96**	**0.31**	**SW846 8330**
4-Nitrotoluene	**3.00**	**2.84**	**mg/kg**	**95**		**SW846 8330**
	3.00	**2.91**	**mg/kg**	**97**	**2.6**	**SW846 8330**
3-Nitrotoluene	**3.00**	**2.90**	**mg/kg**	**97**		**SW846 8330**
	3.00	**2.93**	**mg/kg**	**98**	**1.0**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	82	(74 - 121)
	81	(74 - 121)

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 #...: H1I280106 Work Order #...: ELDDC1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: H1J010000-179 ELDDC1AD-LCSD
Prep Date.....: 10/01/01 Analysis Date..: 10/05/01
Prep Batch #...: 1274179
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**98**	**(76 - 121)**			**SW846 8330**
	98	**(76 - 121)**	**0.46**	**(0-26)**	**SW846 8330**
RDX	**97**	**(79 - 118)**			**SW846 8330**
	99	**(79 - 118)**	**1.4**	**(0-23)**	**SW846 8330**
1,3,5-Trinitrobenzene	**95**	**(76 - 116)**			**SW846 8330**
	96	**(76 - 116)**	**1.3**	**(0-27)**	**SW846 8330**
1,3-Dinitrobenzene	**94**	**(75 - 117)**			**SW846 8330**
	95	**(75 - 117)**	**1.0**	**(0-25)**	**SW846 8330**
Tetryl	**83**	**(42 - 125)**			**SW846 8330**
	85	**(42 - 125)**	**1.3**	**(0-39)**	**SW846 8330**
Nitrobenzene	**96**	**(78 - 115)**			**SW846 8330**
	98	**(78 - 115)**	**1.8**	**(0-22)**	**SW846 8330**
2,4,6-Trinitrotoluene	**99**	**(76 - 118)**			**SW846 8330**
	101	**(76 - 118)**	**1.4**	**(0-26)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**111**	**(80 - 122)**			**SW846 8330**
	111	**(80 - 122)**	**0.25**	**(0-25)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**101**	**(78 - 119)**			**SW846 8330**
	102	**(78 - 119)**	**1.3**	**(0-24)**	**SW846 8330**
2,6-Dinitrotoluene	**99**	**(74 - 122)**			**SW846 8330**
	99	**(74 - 122)**	**0.13**	**(0-24)**	**SW846 8330**
2,4-Dinitrotoluene	**99**	**(78 - 118)**			**SW846 8330**
	99	**(78 - 118)**	**0.30**	**(0-24)**	**SW846 8330**
2-Nitrotoluene	**96**	**(78 - 117)**			**SW846 8330**
	96	**(78 - 117)**	**0.31**	**(0-24)**	**SW846 8330**
4-Nitrotoluene	**95**	**(78 - 118)**			**SW846 8330**
	97	**(78 - 118)**	**2.6**	**(0-26)**	**SW846 8330**
3-Nitrotoluene	**97**	**(78 - 117)**			**SW846 8330**
	98	**(78 - 117)**	**1.0**	**(0-24)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	82	(74 - 121)
	81	(74 - 121)

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 #...: H1I280106 **Work Order #...:** ELEL11AA **Matrix.....:** WATER
MB Lot-Sample #: H1J020000-198

Prep Date.....: 10/02/01
Analysis Date..: 10/04/01 **Prep Batch #...:** 1275198
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	69	(53 - 133)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1I280106 Work Order #...: ELEL11AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J020000-198 ELEL11AD-LCSD
Prep Date.....: 10/02/01 Analysis Date..: 10/04/01
Prep Batch #...: 1275198
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	3.00	3.04	ug/L	101		SW846 8330
	3.00	3.04	ug/L	101	0.010	SW846 8330
RDX	3.00	3.10	ug/L	103		SW846 8330
	3.00	3.12	ug/L	104	0.73	SW846 8330
1,3,5-Trinitrobenzene	3.00	2.92	ug/L	97		SW846 8330
	3.00	2.97	ug/L	99	1.9	SW846 8330
1,3-Dinitrobenzene	3.00	2.76	ug/L	92		SW846 8330
	3.00	2.86	ug/L	95	3.4	SW846 8330
Tetryl	3.00	3.05	ug/L	102		SW846 8330
	3.00	3.09	ug/L	103	1.3	SW846 8330
Nitrobenzene	3.00	2.55	ug/L	85		SW846 8330
	3.00	2.64	ug/L	88	3.4	SW846 8330
2,4,6-Trinitrotoluene	3.00	2.84	ug/L	95		SW846 8330
	3.00	2.91	ug/L	97	2.2	SW846 8330
4-Amino-2,6-dinitrotoluene	3.00	2.75	ug/L	92		SW846 8330
	3.00	2.97	ug/L	99	7.6	SW846 8330
2-Amino-4,6-dinitrotoluene	3.00	2.62	ug/L	87		SW846 8330
	3.00	2.82	ug/L	94	7.1	SW846 8330
2,6-Dinitrotoluene	3.00	2.68	ug/L	89		SW846 8330
	3.00	2.80	ug/L	93	4.2	SW846 8330
2,4-Dinitrotoluene	3.00	2.71	ug/L	90		SW846 8330
	3.00	2.82	ug/L	94	4.0	SW846 8330
2-Nitrotoluene	3.00	2.32	ug/L	77		SW846 8330
	3.00	2.45	ug/L	82	5.4	SW846 8330
4-Nitrotoluene	3.00	2.31	ug/L	77		SW846 8330
	3.00	2.54	ug/L	84	9.1	SW846 8330
3-Nitrotoluene	3.00	2.41	ug/L	80		SW846 8330
	3.00	2.54	ug/L	85	4.9	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	67	(53 - 133)
	73	(53 - 133)

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 #...: H1I280106 **Work Order #...:** ELEL11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J020000-198 ELEL11AD-LCSD
Prep Date.....: 10/02/01 **Analysis Date..:** 10/04/01
Prep Batch #...: 1275198
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**101**	**(68 - 122)**			**SW846 8330**
	101	**(68 - 122)**	**0.010**	**(0-25)**	**SW846 8330**
RDX	**103**	**(71 - 127)**			**SW846 8330**
	104	**(71 - 127)**	**0.73**	**(0-26)**	**SW846 8330**
1,3,5-Trinitrobenzene	**97**	**(70 - 124)**			**SW846 8330**
	99	**(70 - 124)**	**1.9**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**92**	**(72 - 124)**			**SW846 8330**
	95	**(72 - 124)**	**3.4**	**(0-25)**	**SW846 8330**
Tetryl	**102**	**(68 - 123)**			**SW846 8330**
	103	**(68 - 123)**	**1.3**	**(0-26)**	**SW846 8330**
Nitrobenzene	**85**	**(60 - 122)**			**SW846 8330**
	88	**(60 - 122)**	**3.4**	**(0-26)**	**SW846 8330**
2,4,6-Trinitrotoluene	**95**	**(71 - 123)**			**SW846 8330**
	97	**(71 - 123)**	**2.2**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**92**	**(66 - 122)**			**SW846 8330**
	99	**(66 - 122)**	**7.6**	**(0-26)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**87**	**(65 - 124)**			**SW846 8330**
	94	**(65 - 124)**	**7.1**	**(0-26)**	**SW846 8330**
2,6-Dinitrotoluene	**89**	**(66 - 129)**			**SW846 8330**
	93	**(66 - 129)**	**4.2**	**(0-26)**	**SW846 8330**
2,4-Dinitrotoluene	**90**	**(70 - 125)**			**SW846 8330**
	94	**(70 - 125)**	**4.0**	**(0-26)**	**SW846 8330**
2-Nitrotoluene	**77**	**(54 - 121)**			**SW846 8330**
	82	**(54 - 121)**	**5.4**	**(0-27)**	**SW846 8330**
4-Nitrotoluene	**77**	**(59 - 123)**			**SW846 8330**
	84	**(59 - 123)**	**9.1**	**(0-27)**	**SW846 8330**
3-Nitrotoluene	**80**	**(58 - 124)**			**SW846 8330**
	85	**(58 - 124)**	**4.9**	**(0-27)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	67	(53 - 133)
	73	(53 - 133)

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: BD0001

HPLC

Lot-Sample #...: H1I280106-001 **Work Order #...:** EK8642A7 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284198
Dilution Factor: 200
% Moisture.....: 19 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND I	100	ug/L
1,3,5-Trinitrobenzene	**780**	**40**	**ug/L**
1,3-Dinitrobenzene	**160**	**40**	**ug/L**
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	ND	40	ug/L
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	**66**	**40**	**ug/L**
2,4-Dinitrotoluene	**430 B**	**40**	**ug/L**
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	84	(74 - 121)

NOTE(S):

I Matrix interference.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0002

HPLC

Lot-Sample #...: H1I280106-002 **Work Order #...:** EK8682A6 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284198
Dilution Factor: 200
% Moisture.....: 20 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	ND	40	ug/L
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	ND	40	ug/L
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	ND	40	ug/L
2,4-Dinitrotoluene	ND	40	ug/L
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	94	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0013

HPLC

Lot-Sample #...: H1I280106-003 **Work Order #...:** EK87C2A6 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284198
Dilution Factor: 200
% Moisture.....: 22 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	ND	40	ug/L
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	ND	40	ug/L
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	ND	40	ug/L
2,4-Dinitrotoluene	ND	40	ug/L
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	88	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0014

HPLC

Lot-Sample #...: H1I280106-004 **Work Order #...:** EK87D2A6 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284198
Dilution Factor: 200
% Moisture.....: 19 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	ND	40	ug/L
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	ND	40	ug/L
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	ND	40	ug/L
2,4-Dinitrotoluene	ND	40	ug/L
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	92	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0015

HPLC

Lot-Sample #...: H1I280106-005 **Work Order #...:** EK87E2A6 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/12/01
Prep Batch #...: 1284198
Dilution Factor: 20000
% Moisture.....: 9.7 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	10000	ug/L
RDX	ND	10000	ug/L
1,3,5-Trinitrobenzene	ND	4000	ug/L
1,3-Dinitrobenzene	ND	4000	ug/L
Tetryl	ND	4000	ug/L
Nitrobenzene	ND	4000	ug/L
2,4,6-Trinitrotoluene	**71000**	**4000**	**ug/L**
4-Amino-2,6-dinitrotoluene	ND	4000	ug/L
2-Amino-4,6-dinitrotoluene	ND	4000	ug/L
2,6-Dinitrotoluene	**74000**	**4000**	**ug/L**
2,4-Dinitrotoluene	**100000 B**	**4000**	**ug/L**
2-Nitrotoluene	ND	4000	ug/L
4-Nitrotoluene	ND	4000	ug/L
3-Nitrotoluene	ND	4000	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(74 - 121)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0016

HPLC

Lot-Sample #...: H1I280106-006 **Work Order #...:** EK87F2DU **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/12/01
Prep Batch #...: 1284198
Dilution Factor: 20000
% Moisture.....: 6.2 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	10000	ug/L
RDX	ND	10000	ug/L
1,3,5-Trinitrobenzene	ND	4000	ug/L
1,3-Dinitrobenzene	ND	4000	ug/L
Tetryl	ND	4000	ug/L
Nitrobenzene	ND	4000	ug/L
2,4,6-Trinitrotoluene	**77000**	**4000**	**ug/L**
4-Amino-2,6-dinitrotoluene	ND	4000	ug/L
2-Amino-4,6-dinitrotoluene	ND	4000	ug/L
2,6-Dinitrotoluene	**24000**	**4000**	**ug/L**
2,4-Dinitrotoluene	**84000 B**	**4000**	**ug/L**
2-Nitrotoluene	ND	4000	ug/L
4-Nitrotoluene	ND	4000	ug/L
3-Nitrotoluene	ND	4000	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(74 - 121)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0023

HPLC

Lot-Sample #...: H1I280106-007 **Work Order #...:** EK87G2A6 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284198
Dilution Factor: 200
% Moisture.....: 22 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	ND	40	ug/L
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	ND	40	ug/L
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	ND	40	ug/L
2,4-Dinitrotoluene	**18 J,B**	**40**	**ug/L**
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

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: BD0024

HPLC

Lot-Sample #...: H1I280106-008 **Work Order #...:** EK87H2A6 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284198
Dilution Factor: 200
% Moisture.....: 23 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	ND	40	ug/L
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	ND	40	ug/L
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	ND I	40	ug/L
2,4-Dinitrotoluene	**52 B**	**40**	**ug/L**
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	88	(74 - 121)

NOTE(S):

I Matrix interference.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0025

HPLC

Lot-Sample #...: H1I280106-009 **Work Order #...:** EK87J2A6 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284198
Dilution Factor: 200
% Moisture.....: 13 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	ND	40	ug/L
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	ND	40	ug/L
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	ND	40	ug/L
2,4-Dinitrotoluene	ND	40	ug/L
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	90	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0026

HPLC

Lot-Sample #...: H1I280106-010 **Work Order #...:** EK87K2A6 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284198
Dilution Factor: 200
% Moisture.....: 14 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	ND	40	ug/L
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	ND	40	ug/L
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	ND	40	ug/L
2,4-Dinitrotoluene	ND	40	ug/L
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	89	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0028

HPLC

Lot-Sample #...: H1I280106-011 **Work Order #...:** EK87L2A6 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284198
Dilution Factor: 200
% Moisture.....: 22 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	**110**	**40**	**ug/L**
1,3-Dinitrobenzene	**51**	**40**	**ug/L**
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	ND	40	ug/L
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	ND	40	ug/L
2,4-Dinitrotoluene	**100 B**	**40**	**ug/L**
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	90	(74 - 121)

NOTE(S):

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

METHOD BLANK REPORT

HPLC

Client Lot #...: H1I280106 **Work Order #...:** ELXWA1AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J110000-198

Prep Date.....: 10/11/01
Analysis Date..: 10/11/01 **Prep Batch #...:** 1284198
Dilution Factor: 200

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
HMX	ND	100	ug/L	SW846 8330
RDX	ND	100	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	40	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	40	ug/L	SW846 8330
Tetryl	ND	40	ug/L	SW846 8330
Nitrobenzene	ND	40	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	40	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	40	ug/L	SW846 8330
2-Amino-4,6-dinitrotoluene	ND	40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	40	ug/L	SW846 8330
2,4-Dinitrotoluene	**22 J**	**40**	**ug/L**	**SW846 8330**
2-Nitrotoluene	ND	40	ug/L	SW846 8330
4-Nitrotoluene	ND	40	ug/L	SW846 8330
3-Nitrotoluene	ND	40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	87	(74 - 121)

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 DATA REPORT

HPLC

Client Lot #...: H1I280106 Work Order #...: ELXWA1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: H1J110000-198 ELXWA1AD-LCSD
Prep Date.....: 10/11/01 Analysis Date..: 10/11/01
Prep Batch #...: 1284198
Dilution Factor: 200

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	600	614	ug/L	102		SW846 8330
	600	625	ug/L	104	1.8	SW846 8330
RDX	600	618	ug/L	103		SW846 8330
	600	624	ug/L	104	1.0	SW846 8330
1,3,5-Trinitrobenzene	600	634	ug/L	106		SW846 8330
	600	636	ug/L	106	0.33	SW846 8330
1,3-Dinitrobenzene	600	612	ug/L	102		SW846 8330
	600	615	ug/L	102	0.47	SW846 8330
Tetryl	600	645	ug/L	107		SW846 8330
	600	650	ug/L	108	0.91	SW846 8330
Nitrobenzene	600	620	ug/L	103		SW846 8330
	600	624	ug/L	104	0.60	SW846 8330
2,4,6-Trinitrotoluene	600	633	ug/L	105		SW846 8330
	600	638	ug/L	106	0.85	SW846 8330
4-Amino-2,6-dinitrotoluene	600	652	ug/L	109		SW846 8330
	600	659	ug/L	110	1.2	SW846 8330
2-Amino-4,6-dinitrotoluene	600	638	ug/L	106		SW846 8330
	600	641	ug/L	107	0.48	SW846 8330
2,6-Dinitrotoluene	600	624	ug/L	104		SW846 8330
	600	621	ug/L	104	0.44	SW846 8330
2,4-Dinitrotoluene	600	639	ug/L	106		SW846 8330
	600	640	ug/L	107	0.17	SW846 8330
2-Nitrotoluene	600	607	ug/L	101		SW846 8330
	600	612	ug/L	102	0.82	SW846 8330
4-Nitrotoluene	600	610	ug/L	102		SW846 8330
	600	604	ug/L	101	0.98	SW846 8330
3-Nitrotoluene	600	613	ug/L	102		SW846 8330
	600	607	ug/L	101	1.1	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	83	(74 - 121)
	82	(74 - 121)

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 #...: H1I280106 **Work Order #...:** ELXWA1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: H1J110000-198 ELXWA1AD-LCSD
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284198
Dilution Factor: 200

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**102**	**(76 - 121)**			**SW846 8330**
	104	**(76 - 121)**	**1.8**	**(0-26)**	**SW846 8330**
RDX	**103**	**(79 - 118)**			**SW846 8330**
	104	**(79 - 118)**	**1.0**	**(0-23)**	**SW846 8330**
1,3,5-Trinitrobenzene	**106**	**(76 - 116)**			**SW846 8330**
	106	**(76 - 116)**	**0.33**	**(0-27)**	**SW846 8330**
1,3-Dinitrobenzene	**102**	**(75 - 117)**			**SW846 8330**
	102	**(75 - 117)**	**0.47**	**(0-25)**	**SW846 8330**
Tetryl	**107**	**(42 - 125)**			**SW846 8330**
	108	**(42 - 125)**	**0.91**	**(0-39)**	**SW846 8330**
Nitrobenzene	**103**	**(78 - 115)**			**SW846 8330**
	104	**(78 - 115)**	**0.60**	**(0-22)**	**SW846 8330**
2,4,6-Trinitrotoluene	**105**	**(76 - 118)**			**SW846 8330**
	106	**(76 - 118)**	**0.85**	**(0-26)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**109**	**(80 - 122)**			**SW846 8330**
	110	**(80 - 122)**	**1.2**	**(0-25)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**106**	**(78 - 119)**			**SW846 8330**
	107	**(78 - 119)**	**0.48**	**(0-24)**	**SW846 8330**
2,6-Dinitrotoluene	**104**	**(74 - 122)**			**SW846 8330**
	104	**(74 - 122)**	**0.44**	**(0-24)**	**SW846 8330**
2,4-Dinitrotoluene	**106**	**(78 - 118)**			**SW846 8330**
	107	**(78 - 118)**	**0.17**	**(0-24)**	**SW846 8330**
2-Nitrotoluene	**101**	**(78 - 117)**			**SW846 8330**
	102	**(78 - 117)**	**0.82**	**(0-24)**	**SW846 8330**
4-Nitrotoluene	**102**	**(78 - 118)**			**SW846 8330**
	101	**(78 - 118)**	**0.98**	**(0-26)**	**SW846 8330**
3-Nitrotoluene	**102**	**(78 - 117)**			**SW846 8330**
	101	**(78 - 117)**	**1.1**	**(0-24)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	83	(74 - 121)
	82	(74 - 121)

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: BD0001

TOTAL Metals

Lot-Sample #...: H1I280106-001 Matrix.....: SOLID
Date Sampled...: 09/27/01 Date Received..: 09/28/01
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	8820	24.8	mg/kg	SW846 6010B	10/02-10/03/01	EK8641AF
		Dilution Factor: 1		Analysis Time..: 15:12		
Antimony	ND	7.4	mg/kg	SW846 6010B	10/02-10/03/01	EK8641AG
		Dilution Factor: 1		Analysis Time..: 15:12		
Arsenic	5.4	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK8641AH
		Dilution Factor: 1		Analysis Time..: 15:12		
Barium	63.6	24.8	mg/kg	SW846 6010B	10/02-10/03/01	EK8641AJ
		Dilution Factor: 1		Analysis Time..: 15:12		
Beryllium	0.62	0.62	mg/kg	SW846 6010B	10/02-10/03/01	EK8641AK
		Dilution Factor: 1		Analysis Time..: 15:12		
Cadmium	0.13 B	0.62	mg/kg	SW846 6010B	10/02-10/03/01	EK8641AL
		Dilution Factor: 1		Analysis Time..: 15:12		
Calcium	2090	620	mg/kg	SW846 6010B	10/02-10/03/01	EK8641AM
		Dilution Factor: 1		Analysis Time..: 15:12		
Chromium	13.7	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK8641AN
		Dilution Factor: 1		Analysis Time..: 15:12		
Cobalt	5.2 B	6.2	mg/kg	SW846 6010B	10/02-10/03/01	EK8641AP
		Dilution Factor: 1		Analysis Time..: 15:12		
Copper	10.2	3.1	mg/kg	SW846 6010B	10/02-10/03/01	EK8641AQ
		Dilution Factor: 1		Analysis Time..: 15:12		
Iron	16600	12.4	mg/kg	SW846 6010B	10/02-10/03/01	EK8641AR
		Dilution Factor: 1		Analysis Time..: 15:12		
Lead	9.1	0.37	mg/kg	SW846 6010B	10/02-10/03/01	EK8641AT
		Dilution Factor: 1		Analysis Time..: 15:12		
Magnesium	2030	620	mg/kg	SW846 6010B	10/02-10/03/01	EK8641AU
		Dilution Factor: 1		Analysis Time..: 15:12		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0001

TOTAL Metals

Lot-Sample #...: H1I280106-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	270	1.9	mg/kg	SW846 6010B	10/02-10/03/01	EK8641AV
		Dilution Factor: 1		Analysis Time..: 15:12		
Nickel	15.6	5.0	mg/kg	SW846 6010B	10/02-10/03/01	EK8641AW
		Dilution Factor: 1		Analysis Time..: 15:12		
Potassium	591 B	620	mg/kg	SW846 6010B	10/02-10/03/01	EK8641AX
		Dilution Factor: 1		Analysis Time..: 15:12		
Selenium	ND	0.62	mg/kg	SW846 6010B	10/02-10/03/01	EK8641A0
		Dilution Factor: 1		Analysis Time..: 15:12		
Silver	ND	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK8641A1
		Dilution Factor: 1		Analysis Time..: 15:12		
Sodium	2930	620	mg/kg	SW846 6010B	10/02-10/03/01	EK8641A2
		Dilution Factor: 1		Analysis Time..: 15:12		
Thallium	ND	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK8641A3
		Dilution Factor: 1		Analysis Time..: 15:12		
Vanadium	22.3	6.2	mg/kg	SW846 6010B	10/02-10/03/01	EK8641A4
		Dilution Factor: 1		Analysis Time..: 15:12		
Zinc	43.2	2.5	mg/kg	SW846 6010B	10/02-10/03/01	EK8641A5
		Dilution Factor: 1		Analysis Time..: 15:12		
Prep Batch #...: 1275387						
Mercury	0.023 B	0.041	mg/kg	SW846 7471A	10/03/01	EK8641AA
		Dilution Factor: 1		Analysis Time..: 11:28		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0002

TOTAL Metals

Lot-Sample #...: H1I280106-002 Matrix.....: SOLID
Date Sampled...: 09/27/01 Date Received..: 09/28/01
% Moisture.....: 20

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	9820	25.0	mg/kg	SW846 6010B	10/02-10/03/01	EK8681AM
		Dilution Factor: 1		Analysis Time..: 15:18		
Antimony	0.55 B	7.5	mg/kg	SW846 6010B	10/02-10/03/01	EK8681AN
		Dilution Factor: 1		Analysis Time..: 15:18		
Arsenic	9.0	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK8681AP
		Dilution Factor: 1		Analysis Time..: 15:18		
Barium	76.5	25.0	mg/kg	SW846 6010B	10/02-10/03/01	EK8681AQ
		Dilution Factor: 1		Analysis Time..: 15:18		
Beryllium	0.67	0.62	mg/kg	SW846 6010B	10/02-10/03/01	EK8681AR
		Dilution Factor: 1		Analysis Time..: 15:18		
Cadmium	0.38 B	0.62	mg/kg	SW846 6010B	10/02-10/03/01	EK8681AT
		Dilution Factor: 1		Analysis Time..: 15:18		
Calcium	58200	625	mg/kg	SW846 6010B	10/02-10/03/01	EK8681AU
		Dilution Factor: 1		Analysis Time..: 15:18		
Chromium	16.2	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK8681AV
		Dilution Factor: 1		Analysis Time..: 15:18		
Cobalt	12.7	6.2	mg/kg	SW846 6010B	10/02-10/03/01	EK8681AW
		Dilution Factor: 1		Analysis Time..: 15:18		
Copper	25.3	3.1	mg/kg	SW846 6010B	10/02-10/03/01	EK8681AX
		Dilution Factor: 1		Analysis Time..: 15:18		
Iron	24900	12.5	mg/kg	SW846 6010B	10/02-10/03/01	EK8681A0
		Dilution Factor: 1		Analysis Time..: 15:18		
Lead	12.7	0.38	mg/kg	SW846 6010B	10/02-10/03/01	EK8681A1
		Dilution Factor: 1		Analysis Time..: 15:18		
Magnesium	18100	625	mg/kg	SW846 6010B	10/02-10/03/01	EK8681A2
		Dilution Factor: 1		Analysis Time..: 15:18		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0002

TOTAL Metals

Lot-Sample #...: H1I280106-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	587	1.9	mg/kg	SW846 6010B	10/02-10/03/01	EK8681A3
		Dilution Factor: 1		Analysis Time..: 15:18		
Nickel	30.4	5.0	mg/kg	SW846 6010B	10/02-10/03/01	EK8681A4
		Dilution Factor: 1		Analysis Time..: 15:18		
Potassium	2170	625	mg/kg	SW846 6010B	10/02-10/03/01	EK8681A5
		Dilution Factor: 1		Analysis Time..: 15:18		
Selenium	ND	0.62	mg/kg	SW846 6010B	10/02-10/03/01	EK8681AA
		Dilution Factor: 1		Analysis Time..: 15:18		
Silver	ND	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK8681AC
		Dilution Factor: 1		Analysis Time..: 15:18		
Sodium	2660	625	mg/kg	SW846 6010B	10/02-10/03/01	EK8681AD
		Dilution Factor: 1		Analysis Time..: 15:18		
Thallium	0.62 B	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK8681AE
		Dilution Factor: 1		Analysis Time..: 15:18		
Vanadium	23.3	6.2	mg/kg	SW846 6010B	10/02-10/03/01	EK8681AF
		Dilution Factor: 1		Analysis Time..: 15:18		
Zinc	65.8	2.5	mg/kg	SW846 6010B	10/02-10/03/01	EK8681AG
		Dilution Factor: 1		Analysis Time..: 15:18		
Prep Batch #...: 1275387						
Mercury	ND	0.041	mg/kg	SW846 7471A	10/03/01	EK8681AH
		Dilution Factor: 1		Analysis Time..: 11:30		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0013

TOTAL Metals

Lot-Sample #...: H1I280106-003 Matrix.....: SOLID
Date Sampled...: 09/27/01 Date Received..: 09/28/01
% Moisture.....: 22

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	6040	25.6	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1AM
		Dilution Factor: 1		Analysis Time..: 15:22		
Antimony	1.8 B	7.7	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1AN
		Dilution Factor: 1		Analysis Time..: 15:22		
Arsenic	12.8	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1AP
		Dilution Factor: 1		Analysis Time..: 15:22		
Barium	105	25.6	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1AQ
		Dilution Factor: 1		Analysis Time..: 15:22		
Beryllium	0.72	0.64	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1AR
		Dilution Factor: 1		Analysis Time..: 15:22		
Cadmium	0.50 B	0.64	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1AT
		Dilution Factor: 1		Analysis Time..: 15:22		
Calcium	8990	640	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1AU
		Dilution Factor: 1		Analysis Time..: 15:22		
Chromium	47.2	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1AV
		Dilution Factor: 1		Analysis Time..: 15:22		
Cobalt	9.5	6.4	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1AW
		Dilution Factor: 1		Analysis Time..: 15:22		
Copper	35.1	3.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1AX
		Dilution Factor: 1		Analysis Time..: 15:22		
Iron	18100	12.8	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1A0
		Dilution Factor: 1		Analysis Time..: 15:22		
Lead	105	0.38	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1A1
		Dilution Factor: 1		Analysis Time..: 15:22		
Magnesium	2070	640	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1A2
		Dilution Factor: 1		Analysis Time..: 15:22		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0013

TOTAL Metals

Lot-Sample #...: H1I280106-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	419	1.9	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1A3
		Dilution Factor: 1		Analysis Time..: 15:22		
Nickel	26.7	5.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1A4
		Dilution Factor: 1		Analysis Time..: 15:22		
Potassium	1040	640	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1A5
		Dilution Factor: 1		Analysis Time..: 15:22		
Selenium	0.50 B	0.64	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1AA
		Dilution Factor: 1		Analysis Time..: 15:22		
Silver	ND	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1AC
		Dilution Factor: 1		Analysis Time..: 15:22		
Sodium	ND	640	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1AD
		Dilution Factor: 1		Analysis Time..: 15:22		
Thallium	1.4	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1AE
		Dilution Factor: 1		Analysis Time..: 15:22		
Vanadium	17.0	6.4	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1AF
		Dilution Factor: 1		Analysis Time..: 15:22		
Zinc	132	2.6	mg/kg	SW846 6010B	10/02-10/03/01	EK87C1AG
		Dilution Factor: 1		Analysis Time..: 15:22		
Prep Batch #...: 1275387						
Mercury	0.053	0.042	mg/kg	SW846 7471A	10/03/01	EK87C1AH
		Dilution Factor: 1		Analysis Time..: 11:33		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0014

TOTAL Metals

Lot-Sample #...: H1I280106-004 Matrix.....: SOLID
Date Sampled...: 09/27/01 Date Received..: 09/28/01
% Moisture.....: 19

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	8110	24.8	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1AM
		Dilution Factor: 1		Analysis Time..: 15:36		
Antimony	1.2 B	7.4	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1AN
		Dilution Factor: 1		Analysis Time..: 15:36		
Arsenic	17.0	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1AP
		Dilution Factor: 1		Analysis Time..: 15:36		
Barium	294	24.8	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1AQ
		Dilution Factor: 1		Analysis Time..: 15:36		
Beryllium	1.2	0.62	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1AR
		Dilution Factor: 1		Analysis Time..: 15:36		
Cadmium	0.41 B	0.62	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1AT
		Dilution Factor: 1		Analysis Time..: 15:36		
Calcium	4080	620	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1AU
		Dilution Factor: 1		Analysis Time..: 15:36		
Chromium	9.6	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1AV
		Dilution Factor: 1		Analysis Time..: 15:36		
Cobalt	15.2	6.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1AW
		Dilution Factor: 1		Analysis Time..: 15:36		
Copper	38.8	3.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1AX
		Dilution Factor: 1		Analysis Time..: 15:36		
Iron	28000	12.4	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1A0
		Dilution Factor: 1		Analysis Time..: 15:36		
Lead	18.0	0.37	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1A1
		Dilution Factor: 1		Analysis Time..: 15:36		
Magnesium	1100	620	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1A2
		Dilution Factor: 1		Analysis Time..: 15:36		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0014

TOTAL Metals

Lot-Sample #...: H1I280106-004 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	914	1.9	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1A3
		Dilution Factor: 1		Analysis Time..: 15:36		
Nickel	51.0	5.0	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1A4
		Dilution Factor: 1		Analysis Time..: 15:36		
Potassium	940	620	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1A5
		Dilution Factor: 1		Analysis Time..: 15:36		
Selenium	0.68	0.62	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1AA
		Dilution Factor: 1		Analysis Time..: 15:36		
Silver	ND	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1AC
		Dilution Factor: 1		Analysis Time..: 15:36		
Sodium	96.7 B	620	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1AD
		Dilution Factor: 1		Analysis Time..: 15:36		
Thallium	2.1	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1AE
		Dilution Factor: 1		Analysis Time..: 15:36		
Vanadium	22.7	6.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1AF
		Dilution Factor: 1		Analysis Time..: 15:36		
Zinc	69.6	2.5	mg/kg	SW846 6010B	10/02-10/03/01	EK87D1AG
		Dilution Factor: 1		Analysis Time..: 15:36		
Prep Batch #...: 1275387						
Mercury	0.087	0.041	mg/kg	SW846 7471A	10/03/01	EK87D1AH
		Dilution Factor: 1		Analysis Time..: 11:34		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0015

TOTAL Metals

Lot-Sample #...: H1I280106-005 Matrix.....: SOLID
Date Sampled...: 09/27/01 Date Received..: 09/28/01
% Moisture.....: 9.7

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	2850	22.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1AM
		Dilution Factor: 1		Analysis Time..: 15:40		
Antimony	0.84 B	6.6	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1AN
		Dilution Factor: 1		Analysis Time..: 15:40		
Arsenic	3.4	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1AP
		Dilution Factor: 1		Analysis Time..: 15:40		
Barium	14.6 B	22.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1AQ
		Dilution Factor: 1		Analysis Time..: 15:40		
Beryllium	0.22 B	0.55	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1AR
		Dilution Factor: 1		Analysis Time..: 15:40		
Cadmium	ND	0.55	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1AT
		Dilution Factor: 1		Analysis Time..: 15:40		
Calcium	1680	554	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1AU
		Dilution Factor: 1		Analysis Time..: 15:40		
Chromium	13.2	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1AV
		Dilution Factor: 1		Analysis Time..: 15:40		
Cobalt	2.7 B	5.5	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1AW
		Dilution Factor: 1		Analysis Time..: 15:40		
Copper	4.9	2.8	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1AX
		Dilution Factor: 1		Analysis Time..: 15:40		
Iron	10400	11.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1A0
		Dilution Factor: 1		Analysis Time..: 15:40		
Lead	19.9	0.33	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1A1
		Dilution Factor: 1		Analysis Time..: 15:40		
Magnesium	770	554	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1A2
		Dilution Factor: 1		Analysis Time..: 15:40		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0015

TOTAL Metals

Lot-Sample #...: H1I280106-005 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	129	1.7	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1A3
		Dilution Factor: 1		Analysis Time..: 15:40		
Nickel	7.4	4.4	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1A4
		Dilution Factor: 1		Analysis Time..: 15:40		
Potassium	306 B	554	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1A5
		Dilution Factor: 1		Analysis Time..: 15:40		
Selenium	ND	0.55	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1AA
		Dilution Factor: 1		Analysis Time..: 15:40		
Silver	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1AC
		Dilution Factor: 1		Analysis Time..: 15:40		
Sodium	ND	554	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1AD
		Dilution Factor: 1		Analysis Time..: 15:40		
Thallium	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1AE
		Dilution Factor: 1		Analysis Time..: 15:40		
Vanadium	10.9	5.5	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1AF
		Dilution Factor: 1		Analysis Time..: 15:40		
Zinc	22.3	2.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87E1AG
		Dilution Factor: 1		Analysis Time..: 15:40		
Prep Batch #...: 1275387						
Mercury	0.011 B	0.037	mg/kg	SW846 7471A	10/03/01	EK87E1AH
		Dilution Factor: 1		Analysis Time..: 11:37		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0016

TOTAL Metals

Lot-Sample #...: H1I280106-006 Matrix.....: SOLID
Date Sampled...: 09/27/01 Date Received..: 09/28/01
% Moisture.....: 6.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	1800	21.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1A8
		Dilution Factor: 1		Analysis Time..: 15:45		
Antimony	ND	6.4	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1CC
		Dilution Factor: 1		Analysis Time..: 15:45		
Arsenic	2.9	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1CF
		Dilution Factor: 1		Analysis Time..: 15:45		
Barium	7.9 B	21.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1CJ
		Dilution Factor: 1		Analysis Time..: 15:45		
Beryllium	0.17 B	0.53	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1CM
		Dilution Factor: 1		Analysis Time..: 15:45		
Cadmium	ND	0.53	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1CQ
		Dilution Factor: 1		Analysis Time..: 15:45		
Calcium	1210	533	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1CU
		Dilution Factor: 1		Analysis Time..: 15:45		
Chromium	5.2	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1CX
		Dilution Factor: 1		Analysis Time..: 15:45		
Cobalt	2.3 B	5.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1C2
		Dilution Factor: 1		Analysis Time..: 15:45		
Copper	4.5	2.7	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1C5
		Dilution Factor: 1		Analysis Time..: 15:45		
Iron	6450	10.7	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1C8
		Dilution Factor: 1		Analysis Time..: 15:45		
Lead	15.1	0.32	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1DC
		Dilution Factor: 1		Analysis Time..: 15:45		
Magnesium	605	533	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1DF
		Dilution Factor: 1		Analysis Time..: 15:45		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0016

TOTAL Metals

Lot-Sample #...: H1I280106-006 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	119	1.6	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1DJ
		Dilution Factor: 1		Analysis Time..: 15:45		
Nickel	6.0	4.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1DM
		Dilution Factor: 1		Analysis Time..: 15:45		
Potassium	255 B	533	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1DQ
		Dilution Factor: 1		Analysis Time..: 15:45		
Selenium	ND	0.53	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1AA
		Dilution Factor: 1		Analysis Time..: 15:45		
Silver	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1AE
		Dilution Factor: 1		Analysis Time..: 15:45		
Sodium	ND	533	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1AH
		Dilution Factor: 1		Analysis Time..: 15:45		
Thallium	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1AL
		Dilution Factor: 1		Analysis Time..: 15:45		
Vanadium	7.6	5.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1AP
		Dilution Factor: 1		Analysis Time..: 15:45		
Zinc	16.7	2.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87F1AT
		Dilution Factor: 1		Analysis Time..: 15:45		
Prep Batch #...: 1275387						
Mercury	ND	0.035	mg/kg	SW846 7471A	10/03/01	EK87F1AW
		Dilution Factor: 1		Analysis Time..: 11:38		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0023

TOTAL Metals

Lot-Sample #...: H1I280106-007 Matrix.....: SOLID
Date Sampled...: 09/27/01 Date Received..: 09/28/01
% Moisture.....: 22

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	6980	25.5	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1AM
		Dilution Factor: 1		Analysis Time..: 15:58		
Antimony	ND	7.7	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1AN
		Dilution Factor: 1		Analysis Time..: 15:58		
Arsenic	6.1	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1AP
		Dilution Factor: 1		Analysis Time..: 15:58		
Barium	49.8	25.5	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1AQ
		Dilution Factor: 1		Analysis Time..: 15:58		
Beryllium	0.45 B	0.64	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1AR
		Dilution Factor: 1		Analysis Time..: 15:58		
Cadmium	0.22 B	0.64	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1AT
		Dilution Factor: 1		Analysis Time..: 15:58		
Calcium	83900	3190	mg/kg	SW846 6010B	10/02-10/04/01	EK87G1AU
		Dilution Factor: 5		Analysis Time..: 12:32		
Chromium	23.2	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1AV
		Dilution Factor: 1		Analysis Time..: 15:58		
Cobalt	3.8 B	6.4	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1AW
		Dilution Factor: 1		Analysis Time..: 15:58		
Copper	10.1	3.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1AX
		Dilution Factor: 1		Analysis Time..: 15:58		
Iron	12000	12.8	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1A0
		Dilution Factor: 1		Analysis Time..: 15:58		
Lead	12.0	0.38	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1A1
		Dilution Factor: 1		Analysis Time..: 15:58		
Magnesium	6410	638	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1A2
		Dilution Factor: 1		Analysis Time..: 15:58		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0023

TOTAL Metals

Lot-Sample #...: H1I280106-007 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	236	1.9	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1A3
		Dilution Factor: 1		Analysis Time..: 15:58		
Nickel	10.7	5.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1A4
		Dilution Factor: 1		Analysis Time..: 15:58		
Potassium	407 B	638	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1A5
		Dilution Factor: 1		Analysis Time..: 15:58		
Selenium	ND	0.64	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1AA
		Dilution Factor: 1		Analysis Time..: 15:58		
Silver	ND	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1AC
		Dilution Factor: 1		Analysis Time..: 15:58		
Sodium	ND	638	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1AD
		Dilution Factor: 1		Analysis Time..: 15:58		
Thallium	1.1 B	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1AE
		Dilution Factor: 1		Analysis Time..: 15:58		
Vanadium	16.0	6.4	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1AF
		Dilution Factor: 1		Analysis Time..: 15:58		
Zinc	33.3	2.6	mg/kg	SW846 6010B	10/02-10/03/01	EK87G1AG
		Dilution Factor: 1		Analysis Time..: 15:58		
Prep Batch #...: 1275387						
Mercury	0.044	0.042	mg/kg	SW846 7471A	10/03/01	EK87G1AH
		Dilution Factor: 1		Analysis Time..: 11:50		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0024

TOTAL Metals

Lot-Sample #...: H1I280106-008 Matrix.....: SOLID
Date Sampled...: 09/27/01 Date Received..: 09/28/01
% Moisture.....: 23

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	9320	26.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1AM
		Dilution Factor: 1		Analysis Time..: 16:03		
Antimony	ND	7.8	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1AN
		Dilution Factor: 1		Analysis Time..: 16:03		
Arsenic	12.7	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1AP
		Dilution Factor: 1		Analysis Time..: 16:03		
Barium	65.4	26.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1AQ
		Dilution Factor: 1		Analysis Time..: 16:03		
Beryllium	0.64 B	0.65	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1AR
		Dilution Factor: 1		Analysis Time..: 16:03		
Cadmium	0.23 B	0.65	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1AT
		Dilution Factor: 1		Analysis Time..: 16:03		
Calcium	2560	653	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1AU
		Dilution Factor: 1		Analysis Time..: 16:03		
Chromium	16.3	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1AV
		Dilution Factor: 1		Analysis Time..: 16:03		
Cobalt	14.2	6.5	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1AW
		Dilution Factor: 1		Analysis Time..: 16:03		
Copper	23.8	3.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1AX
		Dilution Factor: 1		Analysis Time..: 16:03		
Iron	24300	13.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1A0
		Dilution Factor: 1		Analysis Time..: 16:03		
Lead	10.7	0.39	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1A1
		Dilution Factor: 1		Analysis Time..: 16:03		
Magnesium	4020	653	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1A2
		Dilution Factor: 1		Analysis Time..: 16:03		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0024

TOTAL Metals

Lot-Sample #...: H1I280106-008 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	748	2.0	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1A3
		Dilution Factor: 1		Analysis Time..: 16:03		
Nickel	37.7	5.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1A4
		Dilution Factor: 1		Analysis Time..: 16:03		
Potassium	1250	653	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1A5
		Dilution Factor: 1		Analysis Time..: 16:03		
Selenium	ND	0.65	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1AA
		Dilution Factor: 1		Analysis Time..: 16:03		
Silver	ND	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1AC
		Dilution Factor: 1		Analysis Time..: 16:03		
Sodium	91.3 B	653	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1AD
		Dilution Factor: 1		Analysis Time..: 16:03		
Thallium	0.91 B	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1AE
		Dilution Factor: 1		Analysis Time..: 16:03		
Vanadium	22.0	6.5	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1AF
		Dilution Factor: 1		Analysis Time..: 16:03		
Zinc	63.5	2.6	mg/kg	SW846 6010B	10/02-10/03/01	EK87H1AG
		Dilution Factor: 1		Analysis Time..: 16:03		
Prep Batch #...: 1275387						
Mercury	0.027 B	0.043	mg/kg	SW846 7471A	10/03/01	EK87H1AH
		Dilution Factor: 1		Analysis Time..: 11:52		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0025

TOTAL Metals

Lot-Sample #...: H1I280106-009 Matrix.....: SOLID
Date Sampled...: 09/27/01 Date Received..: 09/28/01
% Moisture.....: 13

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	4340	23.0	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1AM
		Dilution Factor: 1		Analysis Time..: 16:07		
Antimony	ND	6.9	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1AN
		Dilution Factor: 1		Analysis Time..: 16:07		
Arsenic	2.6	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1AP
		Dilution Factor: 1		Analysis Time..: 16:07		
Barium	32.6	23.0	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1AQ
		Dilution Factor: 1		Analysis Time..: 16:07		
Beryllium	0.34 B	0.57	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1AR
		Dilution Factor: 1		Analysis Time..: 16:07		
Cadmium	0.11 B	0.57	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1AT
		Dilution Factor: 1		Analysis Time..: 16:07		
Calcium	974	575	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1AU
		Dilution Factor: 1		Analysis Time..: 16:07		
Chromium	6.4	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1AV
		Dilution Factor: 1		Analysis Time..: 16:07		
Cobalt	5.5 B	5.7	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1AW
		Dilution Factor: 1		Analysis Time..: 16:07		
Copper	4.9	2.9	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1AX
		Dilution Factor: 1		Analysis Time..: 16:07		
Iron	8370	11.5	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1A0
		Dilution Factor: 1		Analysis Time..: 16:07		
Lead	5.7	0.34	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1A1
		Dilution Factor: 1		Analysis Time..: 16:07		
Magnesium	901	575	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1A2
		Dilution Factor: 1		Analysis Time..: 16:07		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0025

TOTAL Metals

Lot-Sample #...: H1I280106-009 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	184	1.7	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1A3
		Dilution Factor: 1		Analysis Time..: 16:07		
Nickel	7.4	4.6	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1A4
		Dilution Factor: 1		Analysis Time..: 16:07		
Potassium	328 B	575	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1A5
		Dilution Factor: 1		Analysis Time..: 16:07		
Selenium	ND	0.57	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1AA
		Dilution Factor: 1		Analysis Time..: 16:07		
Silver	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1AC
		Dilution Factor: 1		Analysis Time..: 16:07		
Sodium	387 B	575	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1AD
		Dilution Factor: 1		Analysis Time..: 16:07		
Thallium	ND	1.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1AE
		Dilution Factor: 1		Analysis Time..: 16:07		
Vanadium	12.1	5.7	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1AF
		Dilution Factor: 1		Analysis Time..: 16:07		
Zinc	23.3	2.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87J1AG
		Dilution Factor: 1		Analysis Time..: 16:07		
Prep Batch #...: 1275387						
Mercury	0.017 B	0.038	mg/kg	SW846 7471A	10/03/01	EK87J1AH
		Dilution Factor: 1		Analysis Time..: 11:53		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0026

TOTAL Metals

Lot-Sample #...: H1I280106-010 Matrix.....: SOLID
Date Sampled...: 09/27/01 Date Received..: 09/28/01
% Moisture.....: 14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	4900	23.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1AM
		Dilution Factor: 1		Analysis Time..: 16:12		
Antimony	ND	7.0	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1AN
		Dilution Factor: 1		Analysis Time..: 16:12		
Arsenic	2.8	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1AP
		Dilution Factor: 1		Analysis Time..: 16:12		
Barium	31.5	23.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1AQ
		Dilution Factor: 1		Analysis Time..: 16:12		
Beryllium	0.38 B	0.58	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1AR
		Dilution Factor: 1		Analysis Time..: 16:12		
Cadmium	0.13 B	0.58	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1AT
		Dilution Factor: 1		Analysis Time..: 16:12		
Calcium	1070	579	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1AU
		Dilution Factor: 1		Analysis Time..: 16:12		
Chromium	7.0	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1AV
		Dilution Factor: 1		Analysis Time..: 16:12		
Cobalt	5.6 B	5.8	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1AW
		Dilution Factor: 1		Analysis Time..: 16:12		
Copper	5.3	2.9	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1AX
		Dilution Factor: 1		Analysis Time..: 16:12		
Iron	9070	11.6	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1A0
		Dilution Factor: 1		Analysis Time..: 16:12		
Lead	6.1	0.35	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1A1
		Dilution Factor: 1		Analysis Time..: 16:12		
Magnesium	991	579	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1A2
		Dilution Factor: 1		Analysis Time..: 16:12		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0026

TOTAL Metals

Lot-Sample #...: H1I280106-010 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	198	1.7	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1A3
		Dilution Factor: 1		Analysis Time..: 16:12		
Nickel	7.9	4.6	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1A4
		Dilution Factor: 1		Analysis Time..: 16:12		
Potassium	360 B	579	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1A5
		Dilution Factor: 1		Analysis Time..: 16:12		
Selenium	ND	0.58	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1AA
		Dilution Factor: 1		Analysis Time..: 16:12		
Silver	ND	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1AC
		Dilution Factor: 1		Analysis Time..: 16:12		
Sodium	466 B	579	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1AD
		Dilution Factor: 1		Analysis Time..: 16:12		
Thallium	ND	1.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1AE
		Dilution Factor: 1		Analysis Time..: 16:12		
Vanadium	13.0	5.8	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1AF
		Dilution Factor: 1		Analysis Time..: 16:12		
Zinc	25.4	2.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87K1AG
		Dilution Factor: 1		Analysis Time..: 16:12		
Prep Batch #...: 1275387						
Mercury	0.015 B	0.038	mg/kg	SW846 7471A	10/03/01	EK87K1AH
		Dilution Factor: 1		Analysis Time..: 11:56		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0028

TOTAL Metals

Lot-Sample #...: H1I280106-011 Matrix.....: SOLID
Date Sampled...: 09/27/01 Date Received..: 09/28/01
% Moisture.....: 22

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1274284						
Aluminum	11400	25.6	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1AM
		Dilution Factor: 1		Analysis Time..: 16:16		
Antimony	0.64 B	7.7	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1AN
		Dilution Factor: 1		Analysis Time..: 16:16		
Arsenic	20.3	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1AP
		Dilution Factor: 1		Analysis Time..: 16:16		
Barium	73.5	25.6	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1AQ
		Dilution Factor: 1		Analysis Time..: 16:16		
Beryllium	0.79	0.64	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1AR
		Dilution Factor: 1		Analysis Time..: 16:16		
Cadmium	0.27 B	0.64	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1AT
		Dilution Factor: 1		Analysis Time..: 16:16		
Calcium	23100	641	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1AU
		Dilution Factor: 1		Analysis Time..: 16:16		
Chromium	18.7	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1AV
		Dilution Factor: 1		Analysis Time..: 16:16		
Cobalt	13.8	6.4	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1AW
		Dilution Factor: 1		Analysis Time..: 16:16		
Copper	23.5	3.2	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1AX
		Dilution Factor: 1		Analysis Time..: 16:16		
Iron	30300	12.8	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1A0
		Dilution Factor: 1		Analysis Time..: 16:16		
Lead	10.6	0.38	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1A1
		Dilution Factor: 1		Analysis Time..: 16:16		
Magnesium	9230	641	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1A2
		Dilution Factor: 1		Analysis Time..: 16:16		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0028

TOTAL Metals

Lot-Sample #...: H1I280106-011 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	592	1.9	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1A3
		Dilution Factor: 1		Analysis Time..: 16:16		
Nickel	36.9	5.1	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1A4
		Dilution Factor: 1		Analysis Time..: 16:16		
Potassium	1790	641	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1A5
		Dilution Factor: 1		Analysis Time..: 16:16		
Selenium	ND	0.64	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1AA
		Dilution Factor: 1		Analysis Time..: 16:16		
Silver	ND	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1AC
		Dilution Factor: 1		Analysis Time..: 16:16		
Sodium	244 B	641	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1AD
		Dilution Factor: 1		Analysis Time..: 16:16		
Thallium	0.94 B	1.3	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1AE
		Dilution Factor: 1		Analysis Time..: 16:16		
Vanadium	26.1	6.4	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1AF
		Dilution Factor: 1		Analysis Time..: 16:16		
Zinc	75.7	2.6	mg/kg	SW846 6010B	10/02-10/03/01	EK87L1AG
		Dilution Factor: 1		Analysis Time..: 16:16		

Prep Batch #...: 1275387

Mercury	ND	0.042	mg/kg	SW846 7471A	10/03/01	EK87L1AH
		Dilution Factor: 1		Analysis Time..: 11:58		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3005

TOTAL Metals

Lot-Sample #...: H1I280106-012 Matrix.....: WATER
Date Sampled...: 09/27/01 Date Received..: 09/28/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1273111						
Aluminum	**59.6 B,J**	**200**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87M1AA**
		Dilution Factor: 1		Analysis Time..: 12:05		
Antimony	ND	60.0	ug/L	SW846 6010B	10/01-10/03/01	EK87M1AC
		Dilution Factor: 1		Analysis Time..: 12:05		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87M1AD
		Dilution Factor: 1		Analysis Time..: 12:05		
Barium	**102 B**	**200**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87M1AE**
		Dilution Factor: 1		Analysis Time..: 12:05		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87M1AF
		Dilution Factor: 1		Analysis Time..: 12:05		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87M1AG
		Dilution Factor: 1		Analysis Time..: 12:05		
Calcium	**122000 J**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87M1AH**
		Dilution Factor: 1		Analysis Time..: 12:05		
Chromium	**1.6 B,J**	**10.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87M1AJ**
		Dilution Factor: 1		Analysis Time..: 12:05		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	EK87M1AK
		Dilution Factor: 1		Analysis Time..: 12:05		
Copper	ND	25.0	ug/L	SW846 6010B	10/01-10/03/01	EK87M1AL
		Dilution Factor: 1		Analysis Time..: 12:05		
Iron	**126**	**100**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87M1AM**
		Dilution Factor: 1		Analysis Time..: 12:05		
Lead	ND	3.0	ug/L	SW846 6010B	10/01-10/03/01	EK87M1AN
		Dilution Factor: 1		Analysis Time..: 12:05		
Magnesium	**80700**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87M1AP**
		Dilution Factor: 1		Analysis Time..: 12:05		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3005

TOTAL Metals

Lot-Sample #...: H1I280106-012 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**28.7**	**15.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87M1AQ**
		Dilution Factor: 1		Analysis Time..: 12:05		
Nickel	ND	40.0	ug/L	SW846 6010B	10/01-10/03/01	EK87M1AR
		Dilution Factor: 1		Analysis Time..: 12:05		
Potassium	**43900**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87M1AT**
		Dilution Factor: 1		Analysis Time..: 12:05		
Selenium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87M1AU
		Dilution Factor: 1		Analysis Time..: 12:05		
Silver	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87M1AV
		Dilution Factor: 1		Analysis Time..: 12:05		
Sodium	**293000**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87M1AW**
		Dilution Factor: 1		Analysis Time..: 12:05		
Thallium	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87M1AX
		Dilution Factor: 1		Analysis Time..: 12:05		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	EK87M1A0
		Dilution Factor: 1		Analysis Time..: 12:05		
Zinc	ND	20.0	ug/L	SW846 6010B	10/01-10/03/01	EK87M1A1
		Dilution Factor: 1		Analysis Time..: 12:05		
Prep Batch #...: 1274177						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/02/01	EK87M1A2
		Dilution Factor: 1		Analysis Time..: 11:43		

NOTE(S):

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3007

TOTAL Metals

Lot-Sample #...: H1I280106-013 Matrix.....: WATER
Date Sampled...: 09/27/01 Date Received..: 09/28/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1273111						
Aluminum	**51.6 B,J**	**200**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87N1AJ**
		Dilution Factor: 1		Analysis Time..: 12:09		
Antimony	ND	60.0	ug/L	SW846 6010B	10/01-10/03/01	EK87N1AK
		Dilution Factor: 1		Analysis Time..: 12:09		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87N1AL
		Dilution Factor: 1		Analysis Time..: 12:09		
Barium	**285**	**200**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87N1AM**
		Dilution Factor: 1		Analysis Time..: 12:09		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87N1AN
		Dilution Factor: 1		Analysis Time..: 12:09		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87N1AP
		Dilution Factor: 1		Analysis Time..: 12:09		
Calcium	**124000 J**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87N1AQ**
		Dilution Factor: 1		Analysis Time..: 12:09		
Chromium	**1.4 B,J**	**10.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87N1AR**
		Dilution Factor: 1		Analysis Time..: 12:09		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	EK87N1AT
		Dilution Factor: 1		Analysis Time..: 12:09		
Copper	ND	25.0	ug/L	SW846 6010B	10/01-10/03/01	EK87N1AU
		Dilution Factor: 1		Analysis Time..: 12:09		
Iron	**204**	**100**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87N1AV**
		Dilution Factor: 1		Analysis Time..: 12:09		
Lead	ND	3.0	ug/L	SW846 6010B	10/01-10/03/01	EK87N1AW
		Dilution Factor: 1		Analysis Time..: 12:09		
Magnesium	**77300**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87N1AX**
		Dilution Factor: 1		Analysis Time..: 12:09		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3007

TOTAL Metals

Lot-Sample #...: H1I280106-013 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**71.6**	**15.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87N1A0**
		Dilution Factor: 1		Analysis Time..: 12:09		
Nickel	ND	40.0	ug/L	SW846 6010B	10/01-10/03/01	EK87N1A1
		Dilution Factor: 1		Analysis Time..: 12:09		
Potassium	**41100**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87N1A2**
		Dilution Factor: 1		Analysis Time..: 12:09		
Selenium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87N1A3
		Dilution Factor: 1		Analysis Time..: 12:09		
Silver	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87N1A4
		Dilution Factor: 1		Analysis Time..: 12:09		
Sodium	**459000**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87N1A5**
		Dilution Factor: 1		Analysis Time..: 12:09		
Thallium	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87N1A6
		Dilution Factor: 1		Analysis Time..: 12:09		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	EK87N1AA
		Dilution Factor: 1		Analysis Time..: 12:09		
Zinc	ND	20.0	ug/L	SW846 6010B	10/01-10/03/01	EK87N1AC
		Dilution Factor: 1		Analysis Time..: 12:09		
Prep Batch #...: 1274177						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/02/01	EK87N1AD
		Dilution Factor: 1		Analysis Time..: 11:49		

NOTE(S):

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3010

TOTAL Metals

Lot-Sample #...: H1I280106-014 Matrix.....: WATER
Date Sampled...: 09/27/01 Date Received..: 09/28/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1273111						
Aluminum	**48.3 B,J**	**200**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87P1AJ**
		Dilution Factor: 1		Analysis Time..: 12:14		
Antimony	ND	60.0	ug/L	SW846 6010B	10/01-10/03/01	EK87P1AK
		Dilution Factor: 1		Analysis Time..: 12:14		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87P1AL
		Dilution Factor: 1		Analysis Time..: 12:14		
Barium	**391**	**200**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87P1AM**
		Dilution Factor: 1		Analysis Time..: 12:14		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87P1AN
		Dilution Factor: 1		Analysis Time..: 12:14		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87P1AP
		Dilution Factor: 1		Analysis Time..: 12:14		
Calcium	**102000 J**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87P1AQ**
		Dilution Factor: 1		Analysis Time..: 12:14		
Chromium	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87P1AR
		Dilution Factor: 1		Analysis Time..: 12:14		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	EK87P1AT
		Dilution Factor: 1		Analysis Time..: 12:14		
Copper	**2.0 B,J**	**25.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87P1AU**
		Dilution Factor: 1		Analysis Time..: 12:14		
Iron	ND	100	ug/L	SW846 6010B	10/01-10/03/01	EK87P1AV
		Dilution Factor: 1		Analysis Time..: 12:14		
Lead	ND	3.0	ug/L	SW846 6010B	10/01-10/03/01	EK87P1AW
		Dilution Factor: 1		Analysis Time..: 12:14		
Magnesium	**40300**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87P1AX**
		Dilution Factor: 1		Analysis Time..: 12:14		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3010

TOTAL Metals

Lot-Sample #...: H1I280106-014 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**31.4**	**15.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87P1A0**
		Dilution Factor: 1		Analysis Time..: 12:14		
Nickel	ND	40.0	ug/L	SW846 6010B	10/01-10/03/01	EK87P1A1
		Dilution Factor: 1		Analysis Time..: 12:14		
Potassium	**7540**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87P1A2**
		Dilution Factor: 1		Analysis Time..: 12:14		
Selenium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87P1A3
		Dilution Factor: 1		Analysis Time..: 12:14		
Silver	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87P1A4
		Dilution Factor: 1		Analysis Time..: 12:14		
Sodium	**109000**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87P1A5**
		Dilution Factor: 1		Analysis Time..: 12:14		
Thallium	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87P1A6
		Dilution Factor: 1		Analysis Time..: 12:14		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	EK87P1AA
		Dilution Factor: 1		Analysis Time..: 12:14		
Zinc	**5.0 B,J**	**20.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87P1AC**
		Dilution Factor: 1		Analysis Time..: 12:14		
Prep Batch #...: 1274177						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/02/01	EK87P1AD
		Dilution Factor: 1		Analysis Time..: 11:51		

NOTE(S):

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3005

DISSOLVED Metals

Lot-Sample #...: H1I280106-015 **Matrix.....:** WATER
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1273112						
Aluminum	**50.2 B**	**200**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87Q1AA**
		Dilution Factor: 1		Analysis Time..: 13:52		
Antimony	ND	60.0	ug/L	SW846 6010B	10/01-10/03/01	EK87Q1AC
		Dilution Factor: 1		Analysis Time..: 13:52		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87Q1AD
		Dilution Factor: 1		Analysis Time..: 13:52		
Barium	**99.5 B**	**200**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87Q1AE**
		Dilution Factor: 1		Analysis Time..: 13:52		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87Q1AF
		Dilution Factor: 1		Analysis Time..: 13:52		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87Q1AG
		Dilution Factor: 1		Analysis Time..: 13:52		
Calcium	**122000**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87Q1AH**
		Dilution Factor: 1		Analysis Time..: 13:52		
Chromium	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87Q1AJ
		Dilution Factor: 1		Analysis Time..: 13:52		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	EK87Q1AK
		Dilution Factor: 1		Analysis Time..: 13:52		
Copper	ND	25.0	ug/L	SW846 6010B	10/01-10/03/01	EK87Q1AL
		Dilution Factor: 1		Analysis Time..: 13:52		
Iron	ND	100	ug/L	SW846 6010B	10/01-10/03/01	EK87Q1AM
		Dilution Factor: 1		Analysis Time..: 13:52		
Lead	ND	3.0	ug/L	SW846 6010B	10/01-10/03/01	EK87Q1AN
		Dilution Factor: 1		Analysis Time..: 13:52		
Magnesium	**80900**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87Q1AP**
		Dilution Factor: 1		Analysis Time..: 13:52		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3005

DISSOLVED Metals

Lot-Sample #...: H1I280106-015 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**23.9**	**15.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87Q1AQ**
		Dilution Factor: 1		Analysis Time..: 13:52		
Nickel	ND	40.0	ug/L	SW846 6010B	10/01-10/03/01	EK87Q1AR
		Dilution Factor: 1		Analysis Time..: 13:52		
Potassium	**43100**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87Q1AT**
		Dilution Factor: 1		Analysis Time..: 13:52		
Selenium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87Q1AU
		Dilution Factor: 1		Analysis Time..: 13:52		
Silver	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87Q1AV
		Dilution Factor: 1		Analysis Time..: 13:52		
Sodium	**293000**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87Q1AW**
		Dilution Factor: 1		Analysis Time..: 13:52		
Thallium	**6.4 B,J**	**10.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87Q1AX**
		Dilution Factor: 1		Analysis Time..: 13:52		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	EK87Q1A0
		Dilution Factor: 1		Analysis Time..: 13:52		
Zinc	ND	20.0	ug/L	SW846 6010B	10/01-10/03/01	EK87Q1A1
		Dilution Factor: 1		Analysis Time..: 13:52		
Prep Batch #...: 1274181						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/02/01	EK87Q1A2
		Dilution Factor: 1		Analysis Time..: 12:32		

NOTE(S):

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3007

DISSOLVED Metals

Lot-Sample #...: H1I280106-016 Matrix.....: WATER
Date Sampled...: 09/27/01 Date Received..: 09/28/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1273112						
Aluminum	**56.6 B**	**200**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87T1AE**
		Dilution Factor: 1		Analysis Time..: 13:57		
Antimony	ND	60.0	ug/L	SW846 6010B	10/01-10/03/01	EK87T1AF
		Dilution Factor: 1		Analysis Time..: 13:57		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87T1AG
		Dilution Factor: 1		Analysis Time..: 13:57		
Barium	**279**	**200**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87T1AH**
		Dilution Factor: 1		Analysis Time..: 13:57		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87T1AJ
		Dilution Factor: 1		Analysis Time..: 13:57		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87T1AK
		Dilution Factor: 1		Analysis Time..: 13:57		
Calcium	**125000**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87T1AL**
		Dilution Factor: 1		Analysis Time..: 13:57		
Chromium	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87T1AM
		Dilution Factor: 1		Analysis Time..: 13:57		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	EK87T1AN
		Dilution Factor: 1		Analysis Time..: 13:57		
Copper	ND	25.0	ug/L	SW846 6010B	10/01-10/03/01	EK87T1AP
		Dilution Factor: 1		Analysis Time..: 13:57		
Iron	**169**	**100**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87T1AQ**
		Dilution Factor: 1		Analysis Time..: 13:57		
Lead	ND	3.0	ug/L	SW846 6010B	10/01-10/03/01	EK87T1AR
		Dilution Factor: 1		Analysis Time..: 13:57		
Magnesium	**77600**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87T1AT**
		Dilution Factor: 1		Analysis Time..: 13:57		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3007

DISSOLVED Metals

Lot-Sample #...: H1I280106-016 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**73.5**	**15.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87T1AU**
		Dilution Factor: 1		Analysis Time..: 13:57		
Nickel	ND	40.0	ug/L	SW846 6010B	10/01-10/03/01	EK87T1AV
		Dilution Factor: 1		Analysis Time..: 13:57		
Potassium	**40700**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87T1AW**
		Dilution Factor: 1		Analysis Time..: 13:57		
Selenium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87T1AX
		Dilution Factor: 1		Analysis Time..: 13:57		
Silver	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87T1A0
		Dilution Factor: 1		Analysis Time..: 13:57		
Sodium	**459000**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87T1A1**
		Dilution Factor: 1		Analysis Time..: 13:57		
Thallium	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87T1A2
		Dilution Factor: 1		Analysis Time..: 13:57		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	EK87T1AA
		Dilution Factor: 1		Analysis Time..: 13:57		
Zinc	ND	20.0	ug/L	SW846 6010B	10/01-10/03/01	EK87T1AC
		Dilution Factor: 1		Analysis Time..: 13:57		
Prep Batch #...: 1274181						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/02/01	EK87T1AD
		Dilution Factor: 1		Analysis Time..: 12:38		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3010

DISSOLVED Metals

Lot-Sample #...: H1I280106-017 **Matrix.....:** WATER
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1273112						
Aluminum	**48.9 B**	**200**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87V1AH**
		Dilution Factor: 1		Analysis Time..: 14:01		
Antimony	ND	60.0	ug/L	SW846 6010B	10/01-10/03/01	EK87V1AJ
		Dilution Factor: 1		Analysis Time..: 14:01		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87V1AK
		Dilution Factor: 1		Analysis Time..: 14:01		
Barium	**391**	**200**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87V1AL**
		Dilution Factor: 1		Analysis Time..: 14:01		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87V1AM
		Dilution Factor: 1		Analysis Time..: 14:01		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87V1AN
		Dilution Factor: 1		Analysis Time..: 14:01		
Calcium	**104000**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87V1AP**
		Dilution Factor: 1		Analysis Time..: 14:01		
Chromium	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87V1AQ
		Dilution Factor: 1		Analysis Time..: 14:01		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	EK87V1AR
		Dilution Factor: 1		Analysis Time..: 14:01		
Copper	ND	25.0	ug/L	SW846 6010B	10/01-10/03/01	EK87V1AT
		Dilution Factor: 1		Analysis Time..: 14:01		
Iron	ND	100	ug/L	SW846 6010B	10/01-10/03/01	EK87V1AU
		Dilution Factor: 1		Analysis Time..: 14:01		
Lead	ND	3.0	ug/L	SW846 6010B	10/01-10/03/01	EK87V1AV
		Dilution Factor: 1		Analysis Time..: 14:01		
Magnesium	**40900**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87V1AW**
		Dilution Factor: 1		Analysis Time..: 14:01		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3010

DISSOLVED Metals

Lot-Sample #...: H1I280106-017 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**31.6**	**15.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87V1AX**
		Dilution Factor: 1		Analysis Time..: 14:01		
Nickel	ND	40.0	ug/L	SW846 6010B	10/01-10/03/01	EK87V1A0
		Dilution Factor: 1		Analysis Time..: 14:01		
Potassium	**7540**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87V1A1**
		Dilution Factor: 1		Analysis Time..: 14:01		
Selenium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	EK87V1A2
		Dilution Factor: 1		Analysis Time..: 14:01		
Silver	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87V1AA
		Dilution Factor: 1		Analysis Time..: 14:01		
Sodium	**109000**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**EK87V1AC**
		Dilution Factor: 1		Analysis Time..: 14:01		
Thallium	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	EK87V1AD
		Dilution Factor: 1		Analysis Time..: 14:01		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	EK87V1AE
		Dilution Factor: 1		Analysis Time..: 14:01		
Zinc	ND	20.0	ug/L	SW846 6010B	10/01-10/03/01	EK87V1AF
		Dilution Factor: 1		Analysis Time..: 14:01		

Prep Batch #...: 1274181

Mercury	ND	0.00020	mg/L	SW846 7470A	10/02/01	EK87V1AG
		Dilution Factor: 1		Analysis Time..: 12:40		

NOTE(S):

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1I280106 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1I300000-111 Prep Batch #...: 1273111						
Aluminum	**27.2 B**	**200**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**ELC5W1AA**
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Antimony	ND	60.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AC
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AD
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Barium	ND	200	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AE
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AF
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AG
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Calcium	**39.2 B**	**5000**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**ELC5W1AH**
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Chromium	**1.5 B**	**10.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**ELC5W1AJ**
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AK
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Copper	**6.4 B**	**25.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**ELC5W1AL**
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Iron	ND	100	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AM
		Dilution Factor: 1				
		Analysis Time..: 11:02				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1I280106 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AN
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Magnesium	ND	5000	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AP
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Manganese	ND	15.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AQ
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Nickel	ND	40.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AR
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Potassium	ND	5000	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AT
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Selenium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AU
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Silver	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AV
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Sodium	ND	5000	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AW
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Thallium	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1AX
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	ELC5W1A0
		Dilution Factor: 1				
		Analysis Time..: 11:02				
Zinc	**7.4 B**	**20.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**ELC5W1A1**
		Dilution Factor: 1				
		Analysis Time..: 11:02				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J010000-177 **Prep Batch #...:** 1274177						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/02/01	ELDC11AA
		Dilution Factor: 1				
		Analysis Time..: 11:24				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1I300000-112 **Prep Batch #...:** 1273112						
Aluminum	ND	200	ug/L	SW846 6010B	10/01-10/03/01	ELC501AA
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Antimony	ND	60.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AC
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AD
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Barium	ND	200	ug/L	SW846 6010B	10/01-10/03/01	ELC501AE
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AF
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AG
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Calcium	ND	5000	ug/L	SW846 6010B	10/01-10/03/01	ELC501AH
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Chromium	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AJ
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AK
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Copper	ND	25.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AL
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Iron	ND	100	ug/L	SW846 6010B	10/01-10/03/01	ELC501AM
		Dilution Factor: 1				
		Analysis Time..: 11:11				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AN
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Magnesium	ND	5000	ug/L	SW846 6010B	10/01-10/03/01	ELC501AP
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Manganese	ND	15.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AQ
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Nickel	ND	40.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AR
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Potassium	ND	5000	ug/L	SW846 6010B	10/01-10/03/01	ELC501AT
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Selenium	ND	5.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AU
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Silver	ND	10.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501AV
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Sodium	ND	5000	ug/L	SW846 6010B	10/01-10/03/01	ELC501AW
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Thallium	**6.3 B**	**10.0**	**ug/L**	**SW846 6010B**	**10/01-10/03/01**	**ELC501AX**
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501A0
		Dilution Factor: 1				
		Analysis Time..: 11:11				
Zinc	ND	20.0	ug/L	SW846 6010B	10/01-10/03/01	ELC501A1
		Dilution Factor: 1				
		Analysis Time..: 11:11				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J010000-181 **Prep Batch #...:** 1274181						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/02/01	ELDDH1AA
		Dilution Factor: 1				
		Analysis Time..: 12:22				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J010000-284 **Prep Batch #...:** 1274284						
Aluminum	ND	20.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AH
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Antimony	ND	6.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AJ
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Arsenic	ND	1.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AK
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Barium	ND	20.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AL
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Beryllium	ND	0.50	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AM
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Cadmium	ND	0.50	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AN
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Calcium	ND	500	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AP
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Chromium	ND	1.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AQ
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Cobalt	ND	5.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AR
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Copper	ND	2.5	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AT
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Iron	ND	10.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AU
		Dilution Factor: 1				
		Analysis Time..: 11:20				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	0.30	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AV
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Magnesium	ND	500	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AW
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Manganese	ND	1.5	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AX
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Nickel	ND	4.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11A0
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Potassium	ND	500	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11A1
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Selenium	ND	0.50	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AA
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Silver	ND	1.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AC
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Sodium	ND	500	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AD
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Thallium	ND	1.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AE
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Vanadium	ND	5.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AF
		Dilution Factor: 1				
		Analysis Time..: 11:20				
Zinc	ND	2.0	mg/kg	SW846 6010B	10/02-10/03/01	ELDP11AG
		Dilution Factor: 1				
		Analysis Time..: 11:20				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J020000-387 **Prep Batch #...:** 1275387						
Mercury	ND	0.033	mg/kg	SW846 7471A	10/03/01	ELFGL1AA
		Dilution Factor: 1				
		Analysis Time..: 10:58				

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H1I280106-006 **Prep Batch #...:** 1274284									
Aluminum									
	1800	213	3670	mg/kg			SW846 6010B	10/02-10/03/01	EK87F1A9
				Qualifiers: NC,MSB					
	1800	213	3630	mg/kg			SW846 6010B	10/02-10/03/01	EK87F1CA
				Qualifiers: NC,MSB					
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Antimony									
	ND	53.3	43.5	mg/kg	82		SW846 6010B	10/02-10/03/01	EK87F1CD
	ND	53.3	44.0	mg/kg	83	1.1	SW846 6010B	10/02-10/03/01	EK87F1CE
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Arsenic									
	2.9	213	197	mg/kg	91		SW846 6010B	10/02-10/03/01	EK87F1CG
	2.9	213	200	mg/kg	93	1.5	SW846 6010B	10/02-10/03/01	EK87F1CH
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Barium									
	7.9	213	211	mg/kg	95		SW846 6010B	10/02-10/03/01	EK87F1CK
	7.9	213	213	mg/kg	96	1.0	SW846 6010B	10/02-10/03/01	EK87F1CL
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Beryllium									
	0.17	5.33	5.24	mg/kg	95		SW846 6010B	10/02-10/03/01	EK87F1CN
	0.17	5.33	5.30	mg/kg	96	1.0	SW846 6010B	10/02-10/03/01	EK87F1CP
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Cadmium									
	ND	5.33	4.91	mg/kg	92		SW846 6010B	10/02-10/03/01	EK87F1CR
	ND	5.33	4.98	mg/kg	93	1.3	SW846 6010B	10/02-10/03/01	EK87F1CT
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Calcium									
	1210	5330	6950	mg/kg	108		SW846 6010B	10/02-10/03/01	EK87F1CV
	1210	5330	6960	mg/kg	108	0.20	SW846 6010B	10/02-10/03/01	EK87F1CW
				Dilution Factor: 1					
				Analysis Time..: 15:49					

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	5.2	21.3	27.2	mg/kg	103		SW846 6010B	10/02-10/03/01	EK87F1C0
	5.2	21.3	27.9	mg/kg	107	2.5	SW846 6010B	10/02-10/03/01	EK87F1C1
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Cobalt									
	2.3	53.3	52.6	mg/kg	94		SW846 6010B	10/02-10/03/01	EK87F1C3
	2.3	53.3	53.3	mg/kg	96	1.3	SW846 6010B	10/02-10/03/01	EK87F1C4
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Copper									
	4.5	26.7	29.7	mg/kg	95		SW846 6010B	10/02-10/03/01	EK87F1C6
	4.5	26.7	30.1	mg/kg	96	1.2	SW846 6010B	10/02-10/03/01	EK87F1C7
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Iron									
	6450	107	7730	mg/kg			SW846 6010B	10/02-10/03/01	EK87F1C9
				Qualifiers: NC,MSB					
	6450	107	7790	mg/kg			SW846 6010B	10/02-10/03/01	EK87F1DA
				Qualifiers: NC,MSB					
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Lead									
	15.1	53.3	65.0	mg/kg	94		SW846 6010B	10/02-10/03/01	EK87F1DD
	15.1	53.3	66.6	mg/kg	97	2.4	SW846 6010B	10/02-10/03/01	EK87F1DE
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Magnesium									
	605	5330	5940	mg/kg	100		SW846 6010B	10/02-10/03/01	EK87F1DG
	605	5330	6030	mg/kg	102	1.5	SW846 6010B	10/02-10/03/01	EK87F1DH
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Manganese									
	119	53.3	196 N	mg/kg	144		SW846 6010B	10/02-10/03/01	EK87F1DK
	119	53.3	192 N	mg/kg	138	1.7	SW846 6010B	10/02-10/03/01	EK87F1DL
				Dilution Factor: 1					
				Analysis Time..: 15:49					

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel									
	6.0	53.3	55.5	mg/kg	93		SW846 6010B	10/02-10/03/01	EK87F1DN
	6.0	53.3	56.3	mg/kg	94	1.4	SW846 6010B	10/02-10/03/01	EK87F1DP
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Potassium									
	255	5330	5250	mg/kg	94		SW846 6010B	10/02-10/03/01	EK87F1DR
	255	5330	5330	mg/kg	95	1.5	SW846 6010B	10/02-10/03/01	EK87F1DT
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Selenium									
	ND	213	189	mg/kg	89		SW846 6010B	10/02-10/03/01	EK87F1AC
	ND	213	191	mg/kg	90	1.2	SW846 6010B	10/02-10/03/01	EK87F1AD
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Silver									
	ND	5.33	4.77	mg/kg	90		SW846 6010B	10/02-10/03/01	EK87F1AF
	ND	5.33	4.81	mg/kg	90	0.80	SW846 6010B	10/02-10/03/01	EK87F1AG
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Sodium									
	ND	5330	4940	mg/kg	93		SW846 6010B	10/02-10/03/01	EK87F1AJ
	ND	5330	5010	mg/kg	94	1.4	SW846 6010B	10/02-10/03/01	EK87F1AK
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Thallium									
	ND	213	198	mg/kg	93		SW846 6010B	10/02-10/03/01	EK87F1AM
	ND	213	201	mg/kg	94	1.6	SW846 6010B	10/02-10/03/01	EK87F1AN
				Dilution Factor: 1					
				Analysis Time..: 15:49					
Vanadium									
	7.6	53.3	61.3	mg/kg	101		SW846 6010B	10/02-10/03/01	EK87F1AQ
	7.6	53.3	61.9	mg/kg	102	0.92	SW846 6010B	10/02-10/03/01	EK87F1AR
				Dilution Factor: 1					
				Analysis Time..: 15:49					

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	16.7	53.3	71.0	mg/kg	102		SW846 6010B	10/02-10/03/01	EK87F1AU
	16.7	53.3	71.5	mg/kg	103	0.59	SW846 6010B	10/02-10/03/01	EK87F1AV

Dilution Factor: 1
Analysis Time..: 15:49

MS Lot-Sample #: H1I280106-006 **Prep Batch #...:** 1275387

Mercury									
	ND	0.178	0.187	mg/kg	105		SW846 7471A	10/03/01	EK87F1AX
	ND	0.178	0.181	mg/kg	102	2.9	SW846 7471A	10/03/01	EK87F1A0

Dilution Factor: 1
Analysis Time..: 11:41

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/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H1I280106-006 **Prep Batch #...:** 1274284							
Aluminum	NC,MSB	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1A9
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	10/02-10/03/01	EK87F1CA
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Antimony	82	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1CD
	83	(75 - 125)	1.1	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1CE
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Arsenic	91	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1CG
	93	(75 - 125)	1.5	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1CH
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Barium	95	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1CK
	96	(75 - 125)	1.0	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1CL
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Beryllium	95	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1CN
	96	(75 - 125)	1.0	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1CP
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Cadmium	92	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1CR
	93	(75 - 125)	1.3	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1CT
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Calcium	108	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1CV
	108	(75 - 125)	0.20	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1CW
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Chromium	103	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1C0
	107	(75 - 125)	2.5	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1C1
		Dilution Factor: 1					
		Analysis Time..: 15:49					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	94	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1C3
	96	(75 - 125)	1.3	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1C4
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Copper	95	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1C6
	96	(75 - 125)	1.2	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1C7
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Iron	NC,MSB	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1C9
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	10/02-10/03/01	EK87F1DA
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Lead	94	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1DD
	97	(75 - 125)	2.4	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1DE
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Magnesium	100	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1DG
	102	(75 - 125)	1.5	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1DH
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Manganese	144 N	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1DK
	138 N	(75 - 125)	1.7	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1DL
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Nickel	93	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1DN
	94	(75 - 125)	1.4	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1DP
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Potassium	94	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1DR
	95	(75 - 125)	1.5	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1DT
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Selenium	89	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1AC
	90	(75 - 125)	1.2	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1AD
		Dilution Factor: 1					
		Analysis Time..: 15:49					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** SOLID
Date Sampled...: 09/27/01 **Date Received..:** 09/28/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	90	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1AF
	90	(75 - 125)	0.80	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1AG
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Sodium	93	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1AJ
	94	(75 - 125)	1.4	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1AK
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Thallium	93	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1AM
	94	(75 - 125)	1.6	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1AN
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Vanadium	101	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1AQ
	102	(75 - 125)	0.92	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1AR
		Dilution Factor: 1					
		Analysis Time..: 15:49					
Zinc	102	(75 - 125)			SW846 6010B	10/02-10/03/01	EK87F1AU
	103	(75 - 125)	0.59	(0-20)	SW846 6010B	10/02-10/03/01	EK87F1AV
		Dilution Factor: 1					
		Analysis Time..: 15:49					

MS Lot-Sample #: H1I280106-006 **Prep Batch #...:** 1275387

Mercury	105	(65 - 131)			SW846 7471A	10/03/01	EK87F1AX
	102	(65 - 131)	2.9	(0-20)	SW846 7471A	10/03/01	EK87F1A0
		Dilution Factor: 1					
		Analysis Time..: 11:41					

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/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

N Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1I300000-111 **Prep Batch #...:** 1273111							
Aluminum	2000	2040	ug/L	102	SW846 6010B	10/01-10/03/01	ELC5W1A2
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Antimony	500	503	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1A3
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Arsenic	2000	2020	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1A4
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Barium	2000	2020	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1A5
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Beryllium	50.0	52.0	ug/L	104	SW846 6010B	10/01-10/03/01	ELC5W1A6
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Cadmium	50.0	49.9	ug/L	100	SW846 6010B	10/01-10/03/01	ELC5W1A7
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Calcium	50000	50500	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1A8
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Chromium	200	202	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1A9
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Cobalt	500	509	ug/L	102	SW846 6010B	10/01-10/03/01	ELC5W1CA
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Copper	250	253	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1CC
			Dilution Factor: 1				
			Analysis Time..: 11:07				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	1010	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1CD
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Lead	500	504	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1CE
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Magnesium	50000	50000	ug/L	100	SW846 6010B	10/01-10/03/01	ELC5W1CF
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Manganese	500	514	ug/L	103	SW846 6010B	10/01-10/03/01	ELC5W1CG
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Nickel	500	507	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1CH
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Potassium	50000	50600	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1CJ
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Selenium	2000	2080	ug/L	104	SW846 6010B	10/01-10/03/01	ELC5W1CK
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Silver	50.0	50.2	ug/L	100	SW846 6010B	10/01-10/03/01	ELC5W1CL
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Sodium	50000	51800	ug/L	104	SW846 6010B	10/01-10/03/01	ELC5W1CM
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Thallium	2000	2040	ug/L	102	SW846 6010B	10/01-10/03/01	ELC5W1CN
			Dilution Factor: 1				
			Analysis Time..: 11:07				
Vanadium	500	503	ug/L	101	SW846 6010B	10/01-10/03/01	ELC5W1CP
			Dilution Factor: 1				
			Analysis Time..: 11:07				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	534	ug/L	107	SW846 6010B	10/01-10/03/01	ELC5W1CQ
			Dilution Factor: 1				
			Analysis Time..: 11:07				

LCS Lot-Sample#: H1J010000-177 **Prep Batch #...:** 1274177

Mercury	0.00500	0.00498	mg/L	100	SW846 7470A	10/02/01	ELDC11AC
			Dilution Factor: 1				
			Analysis Time..: 11:26				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1I300000-112 **Prep Batch #...:** 1273112							
Aluminum	2000	2060	ug/L	103	SW846 6010B	10/01-10/03/01	ELC501A2
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Antimony	500	503	ug/L	101	SW846 6010B	10/01-10/03/01	ELC501A3
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Arsenic	2000	2030	ug/L	102	SW846 6010B	10/01-10/03/01	ELC501A4
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Barium	2000	2030	ug/L	101	SW846 6010B	10/01-10/03/01	ELC501A5
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Beryllium	50.0	52.3	ug/L	105	SW846 6010B	10/01-10/03/01	ELC501A6
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Cadmium	50.0	50.2	ug/L	100	SW846 6010B	10/01-10/03/01	ELC501A7
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Calcium	50000	50900	ug/L	102	SW846 6010B	10/01-10/03/01	ELC501A8
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Chromium	200	203	ug/L	102	SW846 6010B	10/01-10/03/01	ELC501A9
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Cobalt	500	513	ug/L	103	SW846 6010B	10/01-10/03/01	ELC501CA
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Copper	250	253	ug/L	101	SW846 6010B	10/01-10/03/01	ELC501CC
			Dilution Factor: 1				
			Analysis Time..: 11:16				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	1000	ug/L	100	SW846 6010B	10/01-10/03/01	ELC501CD
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Lead	500	507	ug/L	101	SW846 6010B	10/01-10/03/01	ELC501CE
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Magnesium	50000	50400	ug/L	101	SW846 6010B	10/01-10/03/01	ELC501CF
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Manganese	500	518	ug/L	104	SW846 6010B	10/01-10/03/01	ELC501CG
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Nickel	500	510	ug/L	102	SW846 6010B	10/01-10/03/01	ELC501CH
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Potassium	50000	50700	ug/L	101	SW846 6010B	10/01-10/03/01	ELC501CJ
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Selenium	2000	2090	ug/L	104	SW846 6010B	10/01-10/03/01	ELC501CK
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Silver	50.0	50.2	ug/L	100	SW846 6010B	10/01-10/03/01	ELC501CL
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Sodium	50000	52100	ug/L	104	SW846 6010B	10/01-10/03/01	ELC501CM
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Thallium	2000	2050	ug/L	102	SW846 6010B	10/01-10/03/01	ELC501CN
			Dilution Factor: 1				
			Analysis Time..: 11:16				
Vanadium	500	505	ug/L	101	SW846 6010B	10/01-10/03/01	ELC501CP
			Dilution Factor: 1				
			Analysis Time..: 11:16				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	536	ug/L	107	SW846 6010B	10/01-10/03/01	ELC501CQ
			Dilution Factor: 1				
			Analysis Time..: 11:16				

LCS Lot-Sample#: H1J010000-181 **Prep Batch #...:** 1274181

Mercury	0.00500	0.00486	mg/L	97	SW846 7470A	10/02/01	ELDDH1AC
			Dilution Factor: 1				
			Analysis Time..: 12:24				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I280106 Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J010000-284 Prep Batch #...: 1274284							
Aluminum	200	197	mg/kg	98	SW846 6010B	10/02-10/03/01	ELDP11A8
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Antimony	50.0	48.3	mg/kg	97	SW846 6010B	10/02-10/03/01	ELDP11A9
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Arsenic	200	194	mg/kg	97	SW846 6010B	10/02-10/03/01	ELDP11CA
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Barium	200	200	mg/kg	100	SW846 6010B	10/02-10/03/01	ELDP11CC
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Beryllium	5.00	5.19	mg/kg	104	SW846 6010B	10/02-10/03/01	ELDP11CD
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Cadmium	5.00	4.98	mg/kg	100	SW846 6010B	10/02-10/03/01	ELDP11CE
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Calcium	5000	5000	mg/kg	100	SW846 6010B	10/02-10/03/01	ELDP11CF
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Chromium	20.0	20.3	mg/kg	101	SW846 6010B	10/02-10/03/01	ELDP11CG
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Cobalt	50.0	50.5	mg/kg	101	SW846 6010B	10/02-10/03/01	ELDP11CH
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Copper	25.0	25.1	mg/kg	100	SW846 6010B	10/02-10/03/01	ELDP11CJ
			Dilution Factor: 1				
			Analysis Time..: 11:25				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	100	100	mg/kg	100	SW846 6010B	10/02-10/03/01	ELDP11CK
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Lead	50.0	49.5	mg/kg	99	SW846 6010B	10/02-10/03/01	ELDP11CL
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Magnesium	5000	4870	mg/kg	97	SW846 6010B	10/02-10/03/01	ELDP11CM
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Manganese	50.0	51.3	mg/kg	103	SW846 6010B	10/02-10/03/01	ELDP11CN
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Nickel	50.0	50.3	mg/kg	100	SW846 6010B	10/02-10/03/01	ELDP11CP
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Potassium	5000	4700	mg/kg	94	SW846 6010B	10/02-10/03/01	ELDP11CQ
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Selenium	200	190	mg/kg	95	SW846 6010B	10/02-10/03/01	ELDP11A2
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Silver	5.00	4.94	mg/kg	99	SW846 6010B	10/02-10/03/01	ELDP11A3
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Sodium	5000	4880	mg/kg	98	SW846 6010B	10/02-10/03/01	ELDP11A4
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Thallium	200	199	mg/kg	100	SW846 6010B	10/02-10/03/01	ELDP11A5
			Dilution Factor: 1				
			Analysis Time..: 11:25				
Vanadium	50.0	50.2	mg/kg	100	SW846 6010B	10/02-10/03/01	ELDP11A6
			Dilution Factor: 1				
			Analysis Time..: 11:25				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	50.0	51.6	mg/kg	103	SW846 6010B	10/02-10/03/01	ELDP11A7
			Dilution Factor: 1				
			Analysis Time..: 11:25				

LCS Lot-Sample#: H1J020000-387 **Prep Batch #...:** 1275387

Mercury	0.833	0.838	mg/kg	101	SW846 7471A	10/03/01	ELFGL1AC
			Dilution Factor: 1				
			Analysis Time..: 11:00				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1I300000-111 **Prep Batch #...:** 1273111					
Aluminum	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1A2
Antimony	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1A3
Arsenic	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1A4
Barium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1A5
Beryllium	104	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1A6
Cadmium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1A7
Calcium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1A8
Chromium	101	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1A9
Cobalt	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1CA
Copper	101	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:07	10/01-10/03/01	ELC5W1CC

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	101	(90 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CD
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Lead	101	(90 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CE
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Magnesium	100	(90 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CF
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Manganese	103	(90 - 111)	SW846 6010B	10/01-10/03/01	ELC5W1CG
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Nickel	101	(90 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CH
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Potassium	101	(89 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CJ
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Selenium	104	(90 - 114)	SW846 6010B	10/01-10/03/01	ELC5W1CK
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Silver	100	(90 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CL
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Sodium	104	(90 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CM
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Thallium	102	(90 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CN
		Dilution Factor: 1			
		Analysis Time..: 11:07			
Vanadium	101	(90 - 110)	SW846 6010B	10/01-10/03/01	ELC5W1CP
		Dilution Factor: 1			
		Analysis Time..: 11:07			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	107	(90 - 115)	SW846 6010B	10/01-10/03/01	ELC5W1CQ
		Dilution Factor: 1			
		Analysis Time..: 11:07			

LCS Lot-Sample#: H1J010000-177 **Prep Batch #...:** 1274177

Mercury	100	(90 - 110)	SW846 7470A	10/02/01	ELDC11AC
		Dilution Factor: 1			
		Analysis Time..: 11:26			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1I300000-112 **Prep Batch #...:** 1273112					
Aluminum	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501A2
Antimony	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501A3
Arsenic	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501A4
Barium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501A5
Beryllium	105	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501A6
Cadmium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501A7
Calcium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501A8
Chromium	102	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501A9
Cobalt	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CA
Copper	101	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CC

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CD
Lead	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CE
Magnesium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CF
Manganese	104	(90 - 111)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CG
Nickel	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CH
Potassium	101	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CJ
Selenium	104	(90 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CK
Silver	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CL
Sodium	104	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CM
Thallium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CN
Vanadium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:16	10/01-10/03/01	ELC501CP

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	107	(90 - 115)	SW846 6010B	10/01-10/03/01	ELC501CQ
		Dilution Factor: 1			
		Analysis Time..: 11:16			

LCS Lot-Sample#: H1J010000-181 **Prep Batch #...:** 1274181

Mercury	97	(90 - 110)	SW846 7470A	10/02/01	ELDDH1AC
		Dilution Factor: 1			
		Analysis Time..: 12:24			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J010000-284 **Prep Batch #...:** 1274284					
Aluminum	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11A8
Antimony	97	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11A9
Arsenic	97	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CA
Barium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CC
Beryllium	104	(90 - 112)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CD
Cadmium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CE
Calcium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CF
Chromium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CG
Cobalt	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CH
Copper	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CJ

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I280106 Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CK
Lead	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CL
Magnesium	97	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CM
Manganese	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CN
Nickel	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CP
Potassium	94	(84 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11CQ
Selenium	95	(87 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11A2
Silver	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11A3
Sodium	98	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11A4
Thallium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11A5
Vanadium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:25	10/02-10/03/01	ELDP11A6

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1I280106 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	103	(90 - 110)	SW846 6010B	10/02-10/03/01	ELDP11A7
		Dilution Factor: 1			
		Analysis Time..: 11:25			

LCS Lot-Sample#: H1J020000-387 **Prep Batch #...:** 1275387

Mercury	101	(90 - 110)	SW846 7471A	10/03/01	ELFGL1AC
		Dilution Factor: 1			
		Analysis Time..: 11:00			

NOTE(S):

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

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3005

General Chemistry

Lot-Sample #...: H1I280106-012 Work Order #...: EK87M Matrix.....: WATER
Date Sampled...: 09/27/01 Date Received..: 09/28/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	**451**	**5.0**	**mg/L**	**MCAWW 325.2**	**10/14/01**	**1287109**
		Dilution Factor: 5				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/10/01	1284474
		Dilution Factor: 1				
Hardness, as CaCO3	**630**	**25.0**	**mg/L**	**MCAWW 130.2**	**10/16/01**	**1289269**
		Dilution Factor: 5				
Nitrate	ND	0.10	mg/L	MCAWW 353.2	09/29/01	1276427
		Dilution Factor: 1				
Sulfate	**31.1**	**5.0**	**mg/L**	**MCAWW 375.4**	**10/16/01**	**1289368**
		Dilution Factor: 1				
Total Alkalinity	**750 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**09/28/01**	**1275419**
		Dilution Factor: 1				
Total Dissolved Solids	**1440**	**20.0**	**mg/L**	**MCAWW 160.1**	**10/02-10/04/01**	**1275189**
		Dilution Factor: 2				
Total Organic Carbon	**0.84 B**	**1.0**	**mg/L**	**SW846 9060**	**10/16/01**	**1290270**
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	10/03/01	1276222
		Dilution Factor: 1				
Turbidity	**179 J**	**5.0**	**NTU**	**MCAWW 180.1**	**09/29/01**	**1275551**
		Dilution Factor: 10				

NOTE(S):

RL Reporting Limit

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

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3007

General Chemistry

Lot-Sample #...: H1I280106-013 Work Order #...: EK87N Matrix.....: WATER
Date Sampled...: 09/27/01 Date Received..: 09/28/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	932	10.0	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 10				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/10/01	1284474
		Dilution Factor: 1				
Hardness, as CaCO3	719	25.0	mg/L	MCAWW 130.2	10/16/01	1289269
		Dilution Factor: 5				
Nitrate	ND	0.10	mg/L	MCAWW 353.2	09/29/01	1276427
		Dilution Factor: 1				
Sulfate	28.3	5.0	mg/L	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 1				
Total Alkalinity	357 J	5.0	mg/L	MCAWW 310.1	09/29/01	1275419
		Dilution Factor: 1				
Total Dissolved Solids	1990	20.0	mg/L	MCAWW 160.1	10/02-10/04/01	1275189
		Dilution Factor: 2				
Total Organic Carbon	ND	1.0	mg/L	SW846 9060	10/16/01	1290270
		Dilution Factor: 1				
Total Suspended Solids	4.0	4.0	mg/L	MCAWW 160.2	10/03/01	1276222
		Dilution Factor: 1				
Turbidity	104 J	0.50	NTU	MCAWW 180.1	09/29/01	1275551
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3010

General Chemistry

Lot-Sample #...: H1I280106-014 Work Order #...: EK87P Matrix.....: WATER
Date Sampled...: 09/27/01 Date Received..: 09/28/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	77.9	1.0	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 1				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/10/01	1284474
		Dilution Factor: 1				
Hardness, as CaCO3	414	25.0	mg/L	MCAWW 130.2	10/16/01	1289269
		Dilution Factor: 5				
Nitrate	ND	0.10	mg/L	MCAWW 353.2	09/29/01	1276427
		Dilution Factor: 1				
Sulfate	152	50.0	mg/L	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 10				
Total Alkalinity	432 J	5.0	mg/L	MCAWW 310.1	09/29/01	1275419
		Dilution Factor: 1				
Total Dissolved Solids	776	10.0	mg/L	MCAWW 160.1	10/02-10/04/01	1275189
		Dilution Factor: 1				
Total Organic Carbon	3.7	1.0	mg/L	SW846 9060	10/16/01	1290270
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	10/03/01	1276222
		Dilution Factor: 1				
Turbidity	178 J	0.50	NTU	MCAWW 180.1	09/29/01	1275551
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JN1AA		MB Lot-Sample #:	A1J140000-109	
	ND	1.0	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 1				
Cyanide, Total		Work Order #: EL1NV1AA		MB Lot-Sample #:	H1J110000-474	
	ND	0.010	mg/L	SW846 9012A	10/10/01	1284474
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: EL7NT1AA		MB Lot-Sample #:	A1J160000-269	
	ND	5.0	mg/L	MCAWW 130.2	10/16/01	1289269
		Dilution Factor: 1				
Nitrate		Work Order #: ELJG61AA		MB Lot-Sample #:	A1J030000-427	
	ND	0.10	mg/L	MCAWW 353.2	09/29/01	1276427
		Dilution Factor: 1				
Sulfate		Work Order #: EL8JM1AA		MB Lot-Sample #:	A1J160000-368	
	ND	5.0	mg/L	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 1				
Total Alkalinity		Work Order #: ELFW01AA		MB Lot-Sample #:	A1J020000-419	
	4.3 B	**5.0**	**mg/L**	**MCAWW 310.1**	**09/28/01**	**1275419**
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: ELELM1AA		MB Lot-Sample #:	A1J020000-189	
	ND		mg/L	MCAWW 160.1	10/02-10/03/01	1275189
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: EL9J11AA		MB Lot-Sample #:	A1J170000-270	
	ND	1.0	mg/L	SW846 9060	10/16/01	1290270
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: ELGNQ1AA		MB Lot-Sample #:	A1J030000-222	
	ND	4.0	mg/L	MCAWW 160.2	10/03/01	1276222
		Dilution Factor: 1				
Turbidity		Work Order #: ELF981AA		MB Lot-Sample #:	A1J020000-551	
	0.020 B	**0.50**	**NTU**	**MCAWW 180.1**	**09/29/01**	**1275551**
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated			Work Order #: EL5JN1AC		LCS Lot-Sample#:	A1J140000-109	
	124	115	mg/L	93	MCAWW 325.2	10/14/01	1287109
			Dilution Factor: 1				
Cyanide, Total			Work Order #: EL1NV1AC		LCS Lot-Sample#:	H1J110000-474	
	0.200	0.189	mg/L	94	SW846 9012A	10/10/01	1284474
			Dilution Factor: 1				
Hardness, as CaCO3			Work Order #: EL7NT1AC		LCS Lot-Sample#:	A1J160000-269	
	76.8	70.9	mg/L	92	MCAWW 130.2	10/16/01	1289269
			Dilution Factor: 1				
Nitrate			Work Order #: ELJG61AC		LCS Lot-Sample#:	A1J030000-427	
	0.500	0.518	mg/L	104	MCAWW 353.2	09/29/01	1276427
			Dilution Factor: 1				
Sulfate			Work Order #: EL8JM1AC		LCS Lot-Sample#:	A1J160000-368	
	18.3	18.8	mg/L	103	MCAWW 375.4	10/16/01	1289368
			Dilution Factor: 1				
Total Alkalinity			Work Order #: ELFW01AC		LCS Lot-Sample#:	A1J020000-419	
	18.3	20.7	mg/L	113	MCAWW 310.1	09/29/01	1275419
			Dilution Factor: 1				
Total Dissolved Solids			Work Order #: ELELM1AC		LCS Lot-Sample#:	A1J020000-189	
	281	212	mg/L	75	MCAWW 160.1	10/02-10/03/01	1275189
			Dilution Factor: 1				
Total Organic Carbon			Work Order #: EL9J11AC		LCS Lot-Sample#:	A1J170000-270	
	50.4	56.1	mg/L	111	SW846 9060	10/16/01	1290270
			Dilution Factor: 1				
Total Suspended Solids			Work Order #: ELGNQ1AC		LCS Lot-Sample#:	A1J030000-222	
	66.2	61.0	mg/L	92	MCAWW 160.2	10/03/01	1276222
			Dilution Factor: 1				
Turbidity			Work Order #: ELF981AC		LCS Lot-Sample#:	A1J020000-551	
	1.00	1.06	NTU	106	MCAWW 180.1	09/29/01	1275551
			Dilution Factor: 1				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	∪	PREPARATION-ANALYSIS DATE	PREP BATCH #

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JN1AC		LCS Lot-Sample#: A1J140000-109	
	93	(90 - 115)	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 1			
Cyanide, Total		Work Order #: EL1NV1AC		LCS Lot-Sample#: H1J110000-474	
	94	(88 - 113)	SW846 9012A	10/10/01	1284474
		Dilution Factor: 1			
Hardness, as CaCO3		Work Order #: EL7NT1AC		LCS Lot-Sample#: A1J160000-269	
	92	(84 - 116)	MCAWW 130.2	10/16/01	1289269
		Dilution Factor: 1			
Nitrate		Work Order #: ELJG61AC		LCS Lot-Sample#: A1J030000-427	
	104	(77 - 116)	MCAWW 353.2	09/29/01	1276427
		Dilution Factor: 1			
Sulfate		Work Order #: EL8JM1AC		LCS Lot-Sample#: A1J160000-368	
	103	(80 - 112)	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 1			
Total Alkalinity		Work Order #: ELFW01AC		LCS Lot-Sample#: A1J020000-419	
	113	(90 - 127)	MCAWW 310.1	09/29/01	1275419
		Dilution Factor: 1			
Total Dissolved Solids		Work Order #: ELELM1AC		LCS Lot-Sample#: A1J020000-189	
	75	(69 - 120)	MCAWW 160.1	10/02-10/03/01	1275189
		Dilution Factor: 1			
Total Organic Carbon		Work Order #: EL9J11AC		LCS Lot-Sample#: A1J170000-270	
	111	(88 - 115)	SW846 9060	10/16/01	1290270
		Dilution Factor: 1			
Total Suspended Solids		Work Order #: ELGNQ1AC		LCS Lot-Sample#: A1J030000-222	
	92	(66 - 119)	MCAWW 160.2	10/03/01	1276222
		Dilution Factor: 1			
Turbidity		Work Order #: ELF981AC		LCS Lot-Sample#: A1J020000-551	
	106	(75 - 125)	MCAWW 180.1	09/29/01	1275551
		Dilution Factor: 1			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: H1I280106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #

NOTE(S):

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

Sample Receipt Documentation

H1I 280106

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW0927STL-K

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Keesler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 9/27/01
Laboratory Destination: STL - Knoxville
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 827700978190

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD0001	Soil	9/27/01 9:13	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
BD0002	Soil	9/27/01 9:23	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
BD0013	Soil	9/27/01 14:15	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives	Rec'd Temp. 4°C	
BD0014	Soil	9/27/01 14:40	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives	Custody Seals	intact
BD0015	Soil	9/27/01 11:15	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives	Fedex#827700	978190
BD0016	Soil	9/27/01 11:20	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives	MFH. 09-28-	01
BD0016-MS	Soil	9/27/01 11:15	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
BD0016-MSD	Soil	9/27/01 11:15	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: **21 DAYS** Rush: ____

Level of QC Required:
I. ____ II. ____ III. ____ Project Specific: ____

1. Relinquished by: Hugh B. Adams — Date: 9-27-01 Time: 19:30
2. Relinquished by: — Date: Time:
3. Relinquished by: — Date: Time:

1. Received by: Matthew F. Howard — Date: 09-28-01 Time: 0830
2. Received by: — Date: Time:
2. Received by: — Date: Time:

Comments:

185

HI 280106

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW0927STL-K

Project Name/No.: Plumbrook Ordinace Works / 825635 Laboratory Destination: STL - Knoxville Sample Shipment Date: 9/27/01

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD0023 /	Soil	9/27/01 16:28	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
BD0024 /	Soil	9/27/01 16:36	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
BD0025 /	Soil	9/27/01 15:30	Encore WMGL	325 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
BD0026 /	Soil	9/27/01 15:30	Encore WMGL	325 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
BD0028 /	Soil	9/27/01 15:45	Encore WMGL	325 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
BD3005 / /	Water	9/27/01 16:15	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide	Metals - ph2 Cyanide - Preserved in Lab to Ph>12 w/ nNaOH	
BD3007 / /	Water	9/27/01 12:20	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide	Metals - ph2 Cyanide - Preserved in Lab with NAOH to Ph>12 MFH 09-28-01	
BD3010 / /	Water	9/27/01 8:30	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide	Metals - Ph2, ~~Fill~~ Cyanide - Preserved in Lab to Ph>12 with NAOH By MFH 09-28-01	
						Filtered metals - Preserved To ph2 with HNO3 By MFH 09-28-01		
						MFH 09-28-01 ~~with~~		
Relinquished by: [signature]				9-27-01 19:30				

STL KNOXVILLE
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Page 1 of 2

CLIENT: It. Corp. PROJECT: Plumbrook Ordinace works / 825 635 Lot No.: HIT 280106

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?	✓		
(NOTE: North Carolina, 1668, 1613B have 0-4°C requirement)			
c. Were samples received with correct preservative (excluding Encore)? MPH 09-28-01	✓	✓	
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 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: Matthew T. Howard DATE: 09-28-01

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under _____			
b. Informed Login associates of special instructions ?			

2. If custody seals were missing/not intact, was client notified? ___ ___ ___

PROJECT MANAGER : _____ DATE: _____

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
Trip Blank	8260	4a, 7B	Recd 40mL voa for trip Blank, NO COLLECTION DATE Not on co
BD3005	Cyanide	4e	Perserved to Ph>12 with NAOH in Lab
BD3007	↓	↓	↓
BD3010	↓	↓	↓
↓	Filtered metals	4e,	Perserved to ph<2 with HNO3 in Lab
BD3005	8260	3e	Voas 2 of 3 containers recd with Head space.

☒ Client informed on 10/01/01 by Conference. Person contacted: M McMyler V Guards.
☐ Noted actions in comments section above.
☑ No action necessary; process as is.
Project Manager: [signature] Date: 10/01/01

STL KNOXVILLE
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 received with < ½ holding time remaining
	4e Sample preservative: Perserved to Ph>12 with NaOH in Lab, + Ph<2 y/N
	4f 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): _____

STL KNOXVILLE

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT PROJECT: PBOW Lot No.: H1I280106

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?	X		
b. Was RFA/COC signed upon receipt, including date/time?	X		
c. Is preservative check (pH) noted on RFA/COC?	X		
d. Is cooler temperature & custody seal condition noted on COC?	X		
2. Log-in (Lot Folder) Review:			
a. Do client IDs on Client Summaries match RFA/COC?	X		
b. Were tests/parameters assigned correctly?	X		
c. Were correct analytical and report due dates assigned?	X		
d. Has the correct fax due date been assigned to the lot?	X		X gm 10/01/01
e. Is the correct report format noted in the lot summary?	X		
f. Is percent moisture logged for samples requiring this analysis?	X		
g. Are client assigned QC samples properly defined?	X		
3. Contract/Subcontract Review:			
a. Is there a contract number or PO for this work?	X		X gm
b If the purchase order number is given, is it noted in Lot header?	X		X
c. If samples were subcontracted, was copy of COC in folder?	X		samples shipped directly to Pace Lab
4. SDG Review:			
a. If SDG is required, is SDG form in Lot folder?			X
b Is SDG number noted in Lot header & sample comments?			X
c. If SDG is complete, has the due date been revised & marked closed?			X
5. Checklist Review:			
a. Has Sample Receipt Checklist been filled-out?	X		
b. Was there a CUR?	X		
c. Were all issues resolved?			X

LOT FOLDER REVIEWED BY: gm DATE: 10/02/01

QA016R8.doc, 4/13/00

H1I280106

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW0927STL-N

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Keesler
Profit Center: #
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 9/27/01
Laboratory Destination: STL - North Canton
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 827700978180

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD3005	Water	9/27/01 16:15	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
BD3007	Water	9/27/01 12:20	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
BD3010	Water	9/27/01 8:30	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: Flammable: Poison B: Unknown:

Sample Disposal:
Return to Client: Disposal by Lab: Archive:

Turnaround Time:
Normal: Rush:

Level of QC Required:
I. II. III. Project Specific:

1. Relinquished by: Date: 9-27-01 Time: 19:30
2. Relinquished by: Date: Time:
3. Relinquished by: Date: Time:

1. Received by: STL Date: 9/28/01 Time: 10:15
2. Received by: Date: Time:
2. Received by: Date: Time:

Comments: Cooler STL-KNOX @ 2.0°C

SEP 30 '01 (SUN) 21:17 STL NORTH CANTON PAGE. 2

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INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW0927STL-N

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Keesler
Profit Center: #
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 9/27/01
Laboratory Destination: STL - North Canton
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 827700978180

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD3005	Water	9/27/01 16:15	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
BD3007	Water	9/27/01 12:20	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
BD3010	Water	9/27/01 8:30	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: Flammable: Poison B: Unknown:

Sample Disposal:
Return to Client: Disposal by Lab: Archive:

Turnaround Time:
Normal: Rush:

Level of QC Required:
I. II. III.

Project Specific:

1. Relinquished by: [signature] Date: 9-27-01 Time: 19:30
1. Received by: [signature] STL Date: 9/28/01 Time: 10:15
2. Relinquished by: Date: Time:
2. Received by: Date: Time:
3. Relinquished by: Date: Time:
2. Received by: Date: Time:

Comments: Cooler STL-KNOX @ 2.0°C

STL Cooler Receipt Form/Narrative
North Canton Facility

Client:_____ Project:_____ Quote#:_____
Cooler Received on: 9/28/01 Opened on: 9/28/01 by: Kurt C. [illegible] (Signature)

Fedx ☑ Client Drop Off ☐ UPS ☐ Airborne ☐
Other:_____

Cooler ☑ Safe ☐ Foam Box ☐ Client Cooler ☐ Other:_____
STL Shipper No#:_____

1. Were custody seals on the outside of the cooler and intact? Yes ☐ No ☑
   If YES, Quantity_____ Location_____
   Were the custody seals signed and dated? Yes ☐ No ☐ NA ☑
2. Shipper's packing slip attached to this form? Yes ☐ No ☐
3. Were custody papers included inside the cooler and relinquished? Yes ☑ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☑ No ☐
5. Packing material used:
Peanuts ☐ Bubble Wrap ☑ Vermiculite ☐ Foam ☐ None ☐ Other:_____
6. Cooler temperature upon receipt 2.0 °C (see back of form for multiple coolers/temp)
METHOD: Temperature Vial ☑ Between Coolant & Sample Container ☐ Against Bottles ☐
COOLANT: Wet Ice ☑ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Were all the bottles sealed in separate plastic bags? Yes ☑ No ☐
8. Did all bottles arrive in good condition (Unbroken)? Yes ☑ No ☐
9. Did all bottle labels and tags agree with the custody papers? Yes ☑ No ☐
10. Were samples at the correct pH? Yes ☑ No ☐ NA ☐
11. Were correct bottles used for the tests indicated? Yes ☑ No ☐
12. Were air bubbles >6 mm in any VOA vials? Yes ☑ No ☐ NA ☐
13. Was a sufficient amount of sample sent in each bottle? Yes ☑ No ☐

Contacted PM_____ Date:_____ by:_____ via Voice Mail ☐ Verbal ☐ Other ☐
Concerning:_____

√	MACRO	MACRO
	1. CHAIN OF CUSTODY	
	SR1A	Samples were received under proper custody procedures and without discrepancies.
	SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred_____
	2. SAMPLE CONDITION	
	SR2A	Sample(s)_____ were received or requested after the recommended holding time had expired.
	SR2B	Sample(s)_____ were received with insufficient volume
	SR2C	Sample(s)_____ were received in a broken container.
	3. SAMPLE PRESERVATION	
	SR3A	Sample(s)_____ were further preserved in sample receiving to meet recommended pH level(s).
√	SR3B	Sample(s) BD3007 1/2 were received with bubble > 6 mm in diameter (cc: PM)
	4. NCM	
	SR4A	NCM has been generated. Refer to Clouseau for details
	5. Other Anomalies (see below or back)	

BD3010 2/2 Contained Bubbles > 6mm

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
BD3005	1L Poly @ 7, 250ml Poly <2	9/28/01	KCd
BD3007	1L Poly @ 7, 250ml Poly <2	9/28/01	KCd
BD3010	1L Poly @ 7, 250ml Poly <2	9/28/01	KCd

Cooler	Temp	Method	Comments
STL-KDOX	2.0°C	Trip Blank	

Discrepancies Cont.

Macro Name:

Macro Name:

Macro Name:

Macro Name:

Other Anomalies:

SEVERN
TRENT
SERVICES

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921-5947

Tel: 865-291-3000
Fax: 865-584-4315
www.stl-inc.com

ANALYTICAL REPORT

PBOW

Lot #: H1J010131

Maureen McMyler

IT Corporation - Knoxville
312 Directors Drive
Knoxville, TN 37923

SEVERN TRENT LABORATORIES, INC.

Jamie A McKinney

Jamie A. McKinney
Project Manager

October 31, 2001

H1J010131 Sample Data Summary **1**

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Standards Data 223
Raw QC Data 288
Miscellaneous Data 296

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SAMPLE SUMMARY

H1J010131

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ELDJT	001	BD3009	09/28/01	16:35
ELDJX	002	BD3006	09/28/01	09:20
ELDJ1	003	BD3018	09/28/01	11:40
ELDJ2	004	BD3018	09/28/01	11:40

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.

ANALYTICAL METHODS SUMMARY

H1J010131

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitroaromatics and Nitramines by HPLC	SW846 8330
Non-Filterable Residue (TSS)	MCAWW 160.2
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Sulfate	MCAWW 375.4
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	SW846 9060
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B

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
H1J010131

The results reported herein are applicable to the samples submitted for analysis only.

The original chain of custody documentation is included with this report.

Sample Receipt

The Chain of Custody sent to STL Knoxville was not relinquished by the client.

Samples BD3009 and BD3018 for Cyanide testing were received at pH 7.

The following samples were listed on the Chain of Custody but not received: BD0017, BD0019, BD0021, BD0022, BD0029, and BD0030 for Volatiles, Explosives, and Metals testing.

Sample BD3009 was not received for Volatiles and Total and Dissolved Metals testing.

Sample BD3006 was not received for Volatiles, Total and Dissolved Metals, and Cyanide testing.

Samples BD3018 and TB092801A were not received for Volatiles testing.

Samples BD3006, BD3009, and BD30018 were received after the recommended holding time expired. The samples were cancelled per Vickie Graves of The IT Group.

Subcontract

The following analyses were performed by STL North Canton Laboratory, 4101 Shuffel Drive, NW, North Canton, OH 44720: Hardness (MCAAW 130.2), Total Dissolved Solids (MCAAW 160.1), Total Suspended Solids (MCAAW 160.2), Alkalinity (MCAAW 310.1), Chloride (MCAAW 325.2), Sulfate (MCAAW 375.4), and Total Organic Carbon (SW846 9060).

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PROJECT NARRATIVE
H1J010131

Quality Control

Unless otherwise noted, all holding times and QC criteria were met. The test results shown in this report meet all applicable NELAC requirements. Any exceptions are noted below.

Semi-Volatiles

Sample BD3018 was reported with elevated reporting limits for all analytes due to the difficult sample matrix. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

Metals

The serial dilution of batch sample BD3034 was outside control limits for potassium due to physical or chemical matrix interferences.

A batch matrix spike/matrix spike duplicate was analyzed using a sample from this lot. The recoveries were outside control limits for sodium. 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. Recoveries for sodium were not calculated due to high analyte concentrations in the sample relative to the spike level.

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Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3009

GC/MS Semivolatiles

Lot-Sample #...: H1J010131-001 Work Order #...: ELDJT1AC Matrix.....: WATER
Date Sampled...: 09/28/01 Date Received..: 10/01/01
Prep Date.....: 10/02/01 Analysis Date..: 10/09/01
Prep Batch #...: 1275169
Dilution Factor: 1 Method.....: SW846 8270C

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-propyl-amine	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-Trichloro-benzene	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
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3009

GC/MS Semivolatiles

Lot-Sample #...: H1J010131-001 Work Order #...: ELDJT1AC Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	68	(29 - 110)
Phenol-d5	71	(41 - 115)
Nitrobenzene-d5	83	(46 - 117)
2-Fluorobiphenyl	75	(44 - 116)
2,4,6-Tribromophenol	90	(31 - 138)
Terphenyl-d14	85	(36 - 134)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3006

GC/MS Semivolatiles

Lot-Sample #...: H1J010131-002 **Work Order #...:** ELDJX1AC **Matrix.....:** WATER
Date Sampled...: 09/28/01 **Date Received..:** 10/01/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/09/01
Prep Batch #...: 1275169
Dilution Factor: 1 **Method.....:** SW846 8270C

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-propyl-amine	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-Trichloro-benzene	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
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3006

GC/MS Semivolatiles

Lot-Sample #...: H1J010131-002 Work Order #...: ELDJX1AC Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	**0.54 J**	**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	**1.2 J**	**10**	**ug/L**
Indeno(1,2,3-cd)pyrene	**1.7 J**	**10**	**ug/L**
Dibenz(a,h)anthracene	**1.2 J**	**10**	**ug/L**
Benzo(ghi)perylene	**1.7 J**	**10**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(29 - 110)
Phenol-d5	77	(41 - 115)
Nitrobenzene-d5	87	(46 - 117)
2-Fluorobiphenyl	80	(44 - 116)
2,4,6-Tribromophenol	84	(31 - 138)
Terphenyl-d14	87	(36 - 134)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3006

GC/MS Semivolatiles

Lot-Sample #...: H1J010131-002 Work Order #...: ELDJX1AC Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3018

GC/MS Semivolatiles

Lot-Sample #...: H1J010131-003 **Work Order #...:** ELDJ11A4 **Matrix.....:** WATER
Date Sampled...: 09/28/01 **Date Received..:** 10/01/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/09/01
Prep Batch #...: 1275169
Dilution Factor: 25 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	250	ug/L
bis(2-Chloroethyl)-ether	ND	250	ug/L
2-Chlorophenol	ND	250	ug/L
1,3-Dichlorobenzene	ND	250	ug/L
1,4-Dichlorobenzene	ND	250	ug/L
1,2-Dichlorobenzene	ND	250	ug/L
2-Methylphenol	ND	250	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	250	ug/L
4-Methylphenol	ND	250	ug/L
N-Nitrosodi-n-propyl-amine	ND	250	ug/L
Hexachloroethane	ND	250	ug/L
Nitrobenzene	ND	250	ug/L
Isophorone	ND	250	ug/L
2-Nitrophenol	ND	250	ug/L
2,4-Dimethylphenol	ND	250	ug/L
bis(2-Chloroethoxy) methane	ND	250	ug/L
2,4-Dichlorophenol	ND	250	ug/L
1,2,4-Trichloro-benzene	ND	250	ug/L
Naphthalene	ND	250	ug/L
4-Chloroaniline	ND	250	ug/L
Hexachlorobutadiene	ND	250	ug/L
4-Chloro-3-methylphenol	ND	250	ug/L
2-Methylnaphthalene	ND	250	ug/L
Hexachlorocyclopenta-diene	ND	1200	ug/L
2,4,6-Trichloro-phenol	ND	250	ug/L
2,4,5-Trichloro-phenol	ND	250	ug/L
2-Chloronaphthalene	ND	250	ug/L
2-Nitroaniline	ND	1200	ug/L
Dimethyl phthalate	ND	250	ug/L
Acenaphthylene	ND	250	ug/L
2,6-Dinitrotoluene	ND	250	ug/L

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3018

GC/MS Semivolatiles

Lot-Sample #...: H1J010131-003 **Work Order #...:** ELDJ11A4 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	1200	ug/L
Acenaphthene	ND	250	ug/L
2,4-Dinitrophenol	ND	1200	ug/L
4-Nitrophenol	ND	1200	ug/L
Dibenzofuran	ND	250	ug/L
2,4-Dinitrotoluene	ND	250	ug/L
Diethyl phthalate	ND	250	ug/L
4-Chlorophenyl phenyl ether	ND	250	ug/L
Fluorene	ND	250	ug/L
4-Nitroaniline	ND	1200	ug/L
4,6-Dinitro-2-methylphenol	ND	1200	ug/L
N-Nitrosodiphenylamine	ND	250	ug/L
4-Bromophenyl phenyl ether	ND	250	ug/L
Hexachlorobenzene	ND	250	ug/L
Pentachlorophenol	ND	1200	ug/L
Phenanthrene	ND	250	ug/L
Anthracene	ND	250	ug/L
Carbazole	ND	250	ug/L
Di-n-butyl phthalate	ND	250	ug/L
Fluoranthene	ND	250	ug/L
Pyrene	ND	250	ug/L
Butyl benzyl phthalate	ND	250	ug/L
3,3'-Dichlorobenzidine	ND	1200	ug/L
Benzo(a)anthracene	ND	250	ug/L
Chrysene	ND	250	ug/L
bis(2-Ethylhexyl) phthalate	ND	250	ug/L
Di-n-octyl phthalate	ND	250	ug/L
Benzo(b)fluoranthene	ND	250	ug/L
Benzo(k)fluoranthene	ND	250	ug/L
Benzo(a)pyrene	ND	250	ug/L
Indeno(1,2,3-cd)pyrene	ND	250	ug/L
Dibenz(a,h)anthracene	ND	250	ug/L
Benzo(ghi)perylene	ND	250	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(29 - 110)
Phenol-d5	NC,DIL	(41 - 115)
Nitrobenzene-d5	NC,DIL	(46 - 117)
2-Fluorobiphenyl	NC,DIL	(44 - 116)
2,4,6-Tribromophenol	NC,DIL	(31 - 138)
Terphenyl-d14	NC,DIL	(36 - 134)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3018

GC/MS Semivolatiles

Lot-Sample #...: H1J010131-003 Work Order #...: ELDJ11A4 Matrix.....: WATER

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J010131 **Work Order #...:** ELEKE1AA **Matrix.....:** WATER
MB Lot-Sample #: H1J020000-169

Prep Date.....: 10/02/01
Analysis Date..: 10/09/01 **Prep Batch #...:** 1275169
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J010131 **Work Order #...:** ELEKE1AA **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(29 - 110)
Phenol-d5	81	(41 - 115)
Nitrobenzene-d5	90	(46 - 117)
2-Fluorobiphenyl	80	(44 - 116)
2,4,6-Tribromophenol	83	(31 - 138)
Terphenyl-d14	89	(36 - 134)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J010131 **Work Order #...:** ELEKE1AA **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 DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J010131 Work Order #...: ELEKE1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J020000-169 ELEKE1AD-LCSD
Prep Date.....: 10/02/01 Analysis Date..: 10/09/01
Prep Batch #...: 1275169
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Phenol	100	83.6	ug/L	84		SW846 8270C
	100	82.8	ug/L	83	0.96	SW846 8270C
2-Chlorophenol	100	84.3	ug/L	84		SW846 8270C
	100	84.9	ug/L	85	0.70	SW846 8270C
1,4-Dichlorobenzene	100	84.0	ug/L	84		SW846 8270C
	100	84.0	ug/L	84	0.0	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	84.4	ug/L	84		SW846 8270C
	100	83.9	ug/L	84	0.59	SW846 8270C
1,2,4-Trichloro-benzene	100	87.3	ug/L	87		SW846 8270C
	100	84.9	ug/L	85	2.8	SW846 8270C
4-Chloro-3-methylphenol	100	88.8	ug/L	89		SW846 8270C
	100	86.9	ug/L	87	2.2	SW846 8270C
Acenaphthene	100	73.7	ug/L	74		SW846 8270C
	100	73.1	ug/L	73	0.81	SW846 8270C
4-Nitrophenol	100	87.5	ug/L	88		SW846 8270C
	100	84.7	ug/L	85	3.2	SW846 8270C
2,4-Dinitrotoluene	100	100	ug/L	100		SW846 8270C
	100	102	ug/L	102	2.0	SW846 8270C
Pentachlorophenol	100	92.4	ug/L	92		SW846 8270C
	100	89.6	ug/L	90	3.1	SW846 8270C
Pyrene	100	74.8	ug/L	75		SW846 8270C
	100	75.0	ug/L	75	0.26	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	85	(29 - 110)
	84	(29 - 110)
Phenol-d5	89	(41 - 115)
	89	(41 - 115)
Nitrobenzene-d5	95	(46 - 117)
	94	(46 - 117)
2-Fluorobiphenyl	92	(44 - 116)
	89	(44 - 116)
2,4,6-Tribromophenol	105	(31 - 138)
	103	(31 - 138)
Terphenyl-d14	91	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J010131 **Work Order #...:** ELEKE1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J020000-169 ELEKE1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	91	(36 - 134)

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 #...: H1J010131 Work Order #...: ELEKE1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J020000-169 ELEKE1AD-LCSD
Prep Date.....: 10/02/01 Analysis Date..: 10/09/01
Prep Batch #...: 1275169
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	84	(61 - 111)			SW846 8270C
	83	(61 - 111)	0.96	(0-39)	SW846 8270C
2-Chlorophenol	84	(61 - 110)			SW846 8270C
	85	(61 - 110)	0.70	(0-41)	SW846 8270C
1,4-Dichlorobenzene	84	(49 - 110)			SW846 8270C
	84	(49 - 110)	0.0	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	84	(62 - 117)			SW846 8270C
	84	(62 - 117)	0.59	(0-31)	SW846 8270C
1,2,4-Trichloro-benzene	87	(64 - 109)			SW846 8270C
	85	(64 - 109)	2.8	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	89	(70 - 109)			SW846 8270C
	87	(70 - 109)	2.2	(0-28)	SW846 8270C
Acenaphthene	74	(69 - 107)			SW846 8270C
	73	(69 - 107)	0.81	(0-29)	SW846 8270C
4-Nitrophenol	88	(59 - 120)			SW846 8270C
	85	(59 - 120)	3.2	(0-30)	SW846 8270C
2,4-Dinitrotoluene	100	(77 - 118)			SW846 8270C
	102	(77 - 118)	2.0	(0-29)	SW846 8270C
Pentachlorophenol	92	(38 - 124)			SW846 8270C
	90	(38 - 124)	3.1	(0-41)	SW846 8270C
Pyrene	75	(75 - 125)			SW846 8270C
	75	(75 - 125)	0.26	(0-26)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	85	(29 - 110)
	84	(29 - 110)
Phenol-d5	89	(41 - 115)
	89	(41 - 115)
Nitrobenzene-d5	95	(46 - 117)
	94	(46 - 117)
2-Fluorobiphenyl	92	(44 - 116)
	89	(44 - 116)
2,4,6-Tribromophenol	105	(31 - 138)
	103	(31 - 138)
Terphenyl-d14	91	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J010131 **Work Order #...:** ELEKE1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J020000-169 ELEKE1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	91	(36 - 134)

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: BD3009

HPLC

Lot-Sample #...: H1J010131-001 **Work Order #...:** ELDJT1AA **Matrix.....:** WATER
Date Sampled...: 09/28/01 **Date Received..:** 10/01/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/04/01
Prep Batch #...: 1275198
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	66	(53 - 133)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3006

HPLC

Lot-Sample #...: H1J010131-002 **Work Order #...:** ELDJX1AA **Matrix.....:** WATER
Date Sampled...: 09/28/01 **Date Received..:** 10/01/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/04/01
Prep Batch #...: 1275198
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	71	(53 - 133)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3018

HPLC

Lot-Sample #...: H1J010131-003 **Work Order #...:** ELDJ11A3 **Matrix.....:** WATER
Date Sampled...: 09/28/01 **Date Received..:** 10/01/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1275198
Dilution Factor: 5 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	61	(53 - 133)

METHOD BLANK REPORT

HPLC

Client Lot #...: H1J010131 **Work Order #...:** ELEL11AA **Matrix.....:** WATER
MB Lot-Sample #: H1J020000-198

Prep Date.....: 10/02/01
Analysis Date..: 10/04/01 **Prep Batch #...:** 1275198
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	69	(53 - 133)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J010131 **Work Order #...:** ELEL11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J020000-198 ELEL11AD-LCSD
Prep Date.....: 10/02/01 **Analysis Date..:** 10/04/01
Prep Batch #...: 1275198
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	**3.00**	**3.04**	**ug/L**	**101**		**SW846 8330**
	3.00	**3.04**	**ug/L**	**101**	**0.010**	**SW846 8330**
RDX	**3.00**	**3.10**	**ug/L**	**103**		**SW846 8330**
	3.00	**3.12**	**ug/L**	**104**	**0.73**	**SW846 8330**
1,3,5-Trinitrobenzene	**3.00**	**2.92**	**ug/L**	**97**		**SW846 8330**
	3.00	**2.97**	**ug/L**	**99**	**1.9**	**SW846 8330**
1,3-Dinitrobenzene	**3.00**	**2.76**	**ug/L**	**92**		**SW846 8330**
	3.00	**2.86**	**ug/L**	**95**	**3.4**	**SW846 8330**
Tetryl	**3.00**	**3.05**	**ug/L**	**102**		**SW846 8330**
	3.00	**3.09**	**ug/L**	**103**	**1.3**	**SW846 8330**
Nitrobenzene	**3.00**	**2.55**	**ug/L**	**85**		**SW846 8330**
	3.00	**2.64**	**ug/L**	**88**	**3.4**	**SW846 8330**
2,4,6-Trinitrotoluene	**3.00**	**2.84**	**ug/L**	**95**		**SW846 8330**
	3.00	**2.91**	**ug/L**	**97**	**2.2**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**3.00**	**2.75**	**ug/L**	**92**		**SW846 8330**
	3.00	**2.97**	**ug/L**	**99**	**7.6**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**3.00**	**2.62**	**ug/L**	**87**		**SW846 8330**
	3.00	**2.82**	**ug/L**	**94**	**7.1**	**SW846 8330**
2,6-Dinitrotoluene	**3.00**	**2.68**	**ug/L**	**89**		**SW846 8330**
	3.00	**2.80**	**ug/L**	**93**	**4.2**	**SW846 8330**
2,4-Dinitrotoluene	**3.00**	**2.71**	**ug/L**	**90**		**SW846 8330**
	3.00	**2.82**	**ug/L**	**94**	**4.0**	**SW846 8330**
2-Nitrotoluene	**3.00**	**2.32**	**ug/L**	**77**		**SW846 8330**
	3.00	**2.45**	**ug/L**	**82**	**5.4**	**SW846 8330**
4-Nitrotoluene	**3.00**	**2.31**	**ug/L**	**77**		**SW846 8330**
	3.00	**2.54**	**ug/L**	**84**	**9.1**	**SW846 8330**
3-Nitrotoluene	**3.00**	**2.41**	**ug/L**	**80**		**SW846 8330**
	3.00	**2.54**	**ug/L**	**85**	**4.9**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	67	(53 - 133)
	73	(53 - 133)

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 #...: H1J010131 **Work Order #...:** ELEL11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J020000-198 ELEL11AD-LCSD
Prep Date.....: 10/02/01 **Analysis Date..:** 10/04/01
Prep Batch #...: 1275198
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**101**	**(68 - 122)**			**SW846 8330**
	101	**(68 - 122)**	**0.010**	**(0-25)**	**SW846 8330**
RDX	**103**	**(71 - 127)**			**SW846 8330**
	104	**(71 - 127)**	**0.73**	**(0-26)**	**SW846 8330**
1,3,5-Trinitrobenzene	**97**	**(70 - 124)**			**SW846 8330**
	99	**(70 - 124)**	**1.9**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**92**	**(72 - 124)**			**SW846 8330**
	95	**(72 - 124)**	**3.4**	**(0-25)**	**SW846 8330**
Tetryl	**102**	**(68 - 123)**			**SW846 8330**
	103	**(68 - 123)**	**1.3**	**(0-26)**	**SW846 8330**
Nitrobenzene	**85**	**(60 - 122)**			**SW846 8330**
	88	**(60 - 122)**	**3.4**	**(0-26)**	**SW846 8330**
2,4,6-Trinitrotoluene	**95**	**(71 - 123)**			**SW846 8330**
	97	**(71 - 123)**	**2.2**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**92**	**(66 - 122)**			**SW846 8330**
	99	**(66 - 122)**	**7.6**	**(0-26)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**87**	**(65 - 124)**			**SW846 8330**
	94	**(65 - 124)**	**7.1**	**(0-26)**	**SW846 8330**
2,6-Dinitrotoluene	**89**	**(66 - 129)**			**SW846 8330**
	93	**(66 - 129)**	**4.2**	**(0-26)**	**SW846 8330**
2,4-Dinitrotoluene	**90**	**(70 - 125)**			**SW846 8330**
	94	**(70 - 125)**	**4.0**	**(0-26)**	**SW846 8330**
2-Nitrotoluene	**77**	**(54 - 121)**			**SW846 8330**
	82	**(54 - 121)**	**5.4**	**(0-27)**	**SW846 8330**
4-Nitrotoluene	**77**	**(59 - 123)**			**SW846 8330**
	84	**(59 - 123)**	**9.1**	**(0-27)**	**SW846 8330**
3-Nitrotoluene	**80**	**(58 - 124)**			**SW846 8330**
	85	**(58 - 124)**	**4.9**	**(0-27)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	67	(53 - 133)
	73	(53 - 133)

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: BD3018

TOTAL Metals

Lot-Sample #...: H1J010131-003
Date Sampled...: 09/28/01 Date Received..: 10/01/01 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1281424						
Aluminum	64.9 B	200	ug/L	SW846 6010B	10/09-10/10/01	ELDJ11AA
		Dilution Factor: 1		Analysis Time..: 11:02		
Antimony	ND	60.0	ug/L	SW846 6010B	10/09-10/10/01	ELDJ11AC
		Dilution Factor: 1		Analysis Time..: 11:02		
Arsenic	6.1 B	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELDJ11AD
		Dilution Factor: 1		Analysis Time..: 11:02		
Barium	49.5 B	200	ug/L	SW846 6010B	10/09-10/10/01	ELDJ11AE
		Dilution Factor: 1		Analysis Time..: 11:02		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELDJ11AF
		Dilution Factor: 1		Analysis Time..: 11:02		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELDJ11AG
		Dilution Factor: 1		Analysis Time..: 11:02		
Calcium	215000	5000	ug/L	SW846 6010B	10/09-10/10/01	ELDJ11AH
		Dilution Factor: 1		Analysis Time..: 11:02		
Chromium	1.6 B	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELDJ11AJ
		Dilution Factor: 1		Analysis Time..: 11:02		
Cobalt	102	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELDJ11AK
		Dilution Factor: 1		Analysis Time..: 11:02		
Copper	30.7	25.0	ug/L	SW846 6010B	10/09-10/10/01	ELDJ11AL
		Dilution Factor: 1		Analysis Time..: 11:02		
Iron	164	100	ug/L	SW846 6010B	10/09-10/10/01	ELDJ11AM
		Dilution Factor: 1		Analysis Time..: 11:02		
Lead	ND	3.0	ug/L	SW846 6010B	10/09-10/10/01	ELDJ11AN
		Dilution Factor: 1		Analysis Time..: 11:02		
Magnesium	146000	5000	ug/L	SW846 6010B	10/09-10/10/01	ELDJ11AP
		Dilution Factor: 1		Analysis Time..: 11:02		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3018

TOTAL Metals

Lot-Sample #...: H1J010131-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**65.2**	**15.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELDJ11AQ**
		Dilution Factor: 1		Analysis Time..: 11:02		
Nickel	**111**	**40.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELDJ11AR**
		Dilution Factor: 1		Analysis Time..: 11:02		
Potassium	**42100**	**5000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELDJ11AT**
		Dilution Factor: 1		Analysis Time..: 11:02		
Selenium	**5.5**	**5.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELDJ11AU**
		Dilution Factor: 1		Analysis Time..: 11:02		
Silver	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELDJ11AV
		Dilution Factor: 1		Analysis Time..: 11:02		
Sodium	**629000**	**25000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELDJ11AW**
		Dilution Factor: 5		Analysis Time..: 15:37		
Thallium	**5.0 B**	**10.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELDJ11AX**
		Dilution Factor: 1		Analysis Time..: 11:02		
Vanadium	**2.4 B**	**50.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELDJ11A0**
		Dilution Factor: 1		Analysis Time..: 11:02		
Zinc	**10.8 B**	**20.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELDJ11A1**
		Dilution Factor: 1		Analysis Time..: 11:02		
Prep Batch #...: 1282394						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELDJ11A2
		Dilution Factor: 1		Analysis Time..: 12:51		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3018

DISSOLVED Metals

Lot-Sample #...: H1J010131-004 Matrix.....: WATER
Date Sampled...: 09/28/01 Date Received..: 10/01/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1282408						
Aluminum	54.9 B	200	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AA
		Dilution Factor: 1		Analysis Time..: 11:09		
Antimony	ND	60.0	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AC
		Dilution Factor: 1		Analysis Time..: 11:09		
Arsenic	5.5 B	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AD
		Dilution Factor: 1		Analysis Time..: 11:09		
Barium	50.8 B	200	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AE
		Dilution Factor: 1		Analysis Time..: 11:09		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AF
		Dilution Factor: 1		Analysis Time..: 11:09		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AG
		Dilution Factor: 1		Analysis Time..: 11:09		
Calcium	223000	5000	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AH
		Dilution Factor: 1		Analysis Time..: 11:09		
Chromium	1.9 B	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AJ
		Dilution Factor: 1		Analysis Time..: 11:09		
Cobalt	105	50.0	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AK
		Dilution Factor: 1		Analysis Time..: 11:09		
Copper	27.0	25.0	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AL
		Dilution Factor: 1		Analysis Time..: 11:09		
Iron	145	100	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AM
		Dilution Factor: 1		Analysis Time..: 11:09		
Lead	ND	3.0	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AN
		Dilution Factor: 1		Analysis Time..: 11:09		
Magnesium	153000	5000	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AP
		Dilution Factor: 1		Analysis Time..: 11:09		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3018

DISSOLVED Metals

Lot-Sample #...: H1J010131-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	68.0	15.0	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AQ
		Dilution Factor: 1		Analysis Time..: 11:09		
Nickel	117	40.0	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AR
		Dilution Factor: 1		Analysis Time..: 11:09		
Potassium	43800	5000	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AT
		Dilution Factor: 1		Analysis Time..: 11:09		
Selenium	8.2	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AU
		Dilution Factor: 1		Analysis Time..: 11:09		
Silver	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AV
		Dilution Factor: 1		Analysis Time..: 11:09		
Sodium	662000	25000	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AW
		Dilution Factor: 5		Analysis Time..: 11:22		
Thallium	7.2 B	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21AX
		Dilution Factor: 1		Analysis Time..: 11:09		
Vanadium	2.4 B	50.0	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21A0
		Dilution Factor: 1		Analysis Time..: 11:09		
Zinc	12.6 B	20.0	ug/L	SW846 6010B	10/10-10/12/01	ELDJ21A1
		Dilution Factor: 1		Analysis Time..: 11:09		
Prep Batch #...: 1282409						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELDJ21A2
		Dilution Factor: 1		Analysis Time..: 12:04		

NOTE(S):

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J010131 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J080000-424 Prep Batch #...: 1281424						
Aluminum	ND	200	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AA
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Antimony	ND	60.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AC
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AD
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Barium	ND	200	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AE
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AF
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AG
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Calcium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AH
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Chromium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AJ
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AK
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Copper	ND	25.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AL
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Iron	ND	100	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AM
		Dilution Factor: 1				
		Analysis Time..: 10:49				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J010131 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AN
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Magnesium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AP
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Manganese	ND	15.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AQ
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Nickel	ND	40.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AR
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Potassium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AT
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Selenium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AU
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Silver	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AV
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Sodium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AW
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Thallium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AX
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1A0
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Zinc	ND	20.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1A1
		Dilution Factor: 1				
		Analysis Time..: 10:49				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J010131 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J090000-394 **Prep Batch #...:** 1282394						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELT7K1AA
		Dilution Factor: 1				
		Analysis Time..: 12:40				

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J010131 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J090000-408 Prep Batch #...: 1282408						
Aluminum	ND	200	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AA
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Antimony	ND	60.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AC
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AD
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Barium	ND	200	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AE
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AF
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AG
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Calcium	ND	5000	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AH
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Chromium	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AJ
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AK
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Copper	ND	25.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AL
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Iron	ND	100	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AM
		Dilution Factor: 1				
		Analysis Time..: 10:47				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J010131

Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AN
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Magnesium	ND	5000	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AP
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Manganese	ND	15.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AQ
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Nickel	ND	40.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AR
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Potassium	ND	5000	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AT
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Selenium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AU
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Silver	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AV
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Sodium	ND	5000	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AW
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Thallium	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AX
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1A0
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Zinc	ND	20.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1A1
		Dilution Factor: 1				
		Analysis Time..: 10:47				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J010131 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J090000-409 **Prep Batch #...:** 1282409						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELT9V1AA
		Dilution Factor: 1				
		Analysis Time..: 12:00				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J010131 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J080000-424 Prep Batch #...: 1281424							
Aluminum	2000	1980	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1A2
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Antimony	500	490	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A3
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Arsenic	2000	1980	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1A4
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Barium	2000	1960	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A5
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Beryllium	50.0	50.9	ug/L	102	SW846 6010B	10/09-10/10/01	ELRCX1A6
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Cadmium	50.0	48.8	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A7
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Calcium	50000	48700	ug/L	97	SW846 6010B	10/09-10/10/01	ELRCX1A8
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Chromium	200	196	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A9
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Cobalt	500	495	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CA
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Copper	250	245	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CC
			Dilution Factor: 1				
			Analysis Time..: 10:53				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J010131 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	978	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CD
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Lead	500	492	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CE
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Magnesium	50000	48400	ug/L	97	SW846 6010B	10/09-10/10/01	ELRCX1CF
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Manganese	500	499	ug/L	100	SW846 6010B	10/09-10/10/01	ELRCX1CG
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Nickel	500	493	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CH
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Potassium	50000	48800	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CJ
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Selenium	2000	2030	ug/L	101	SW846 6010B	10/09-10/10/01	ELRCX1CK
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Silver	50.0	48.2	ug/L	96	SW846 6010B	10/09-10/10/01	ELRCX1CL
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Sodium	50000	50000	ug/L	100	SW846 6010B	10/09-10/10/01	ELRCX1CM
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Thallium	2000	1980	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CN
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Vanadium	500	494	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CP
			Dilution Factor: 1				
			Analysis Time..: 10:53				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J010131 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	519	ug/L	104	SW846 6010B	10/09-10/10/01	ELRCX1CQ
			Dilution Factor: 1				
			Analysis Time..: 10:53				

LCS Lot-Sample#: H1J090000-394 **Prep Batch #...:** 1282394

Mercury	0.00500	0.00508	mg/L	102	SW846 7470A	10/10/01	ELT7K1AC
			Dilution Factor: 1				
			Analysis Time..: 12:46				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J010131 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J090000-408 **Prep Batch #...:** 1282408							
Aluminum	2000	2000	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A2
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Antimony	500	495	ug/L	99	SW846 6010B	10/10-10/12/01	ELT9P1A3
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Arsenic	2000	2010	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A4
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Barium	2000	1990	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A5
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Beryllium	50.0	52.0	ug/L	104	SW846 6010B	10/10-10/12/01	ELT9P1A6
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Cadmium	50.0	50.1	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A7
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Calcium	50000	49900	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A8
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Chromium	200	201	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A9
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Cobalt	500	505	ug/L	101	SW846 6010B	10/10-10/12/01	ELT9P1CA
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Copper	250	245	ug/L	98	SW846 6010B	10/10-10/12/01	ELT9P1CC
			Dilution Factor: 1				
			Analysis Time..: 10:51				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J010131 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	982	ug/L	98	SW846 6010B	10/10-10/12/01	ELT9P1CD
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Lead	500	504	ug/L	101	SW846 6010B	10/10-10/12/01	ELT9P1CE
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Magnesium	50000	49600	ug/L	99	SW846 6010B	10/10-10/12/01	ELT9P1CF
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Manganese	500	509	ug/L	102	SW846 6010B	10/10-10/12/01	ELT9P1CG
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Nickel	500	507	ug/L	101	SW846 6010B	10/10-10/12/01	ELT9P1CH
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Potassium	50000	49100	ug/L	98	SW846 6010B	10/10-10/12/01	ELT9P1CJ
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Selenium	2000	2070	ug/L	103	SW846 6010B	10/10-10/12/01	ELT9P1CK
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Silver	50.0	49.4	ug/L	99	SW846 6010B	10/10-10/12/01	ELT9P1CL
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Sodium	50000	50100	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1CM
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Thallium	2000	2010	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1CN
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Vanadium	500	504	ug/L	101	SW846 6010B	10/10-10/12/01	ELT9P1CP
			Dilution Factor: 1				
			Analysis Time..: 10:51				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J010131 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	529	ug/L	106	SW846 6010B	10/10-10/12/01	ELT9P1CQ
			Dilution Factor: 1				
			Analysis Time..: 10:51				

LCS Lot-Sample#: H1J090000-409 Prep Batch #...: 1282409

Mercury	0.00500	0.00516	mg/L	103	SW846 7470A	10/10/01	ELT9V1AC
			Dilution Factor: 1				
			Analysis Time..: 12:02				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J010131 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J080000-424 **Prep Batch #...:** 1281424					
Aluminum	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A2
Antimony	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A3
Arsenic	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A4
Barium	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A5
Beryllium	102	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A6
Cadmium	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A7
Calcium	97	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A8
Chromium	98	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A9
Cobalt	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CA
Copper	98	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CC

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J010131 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	98	(90 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CD
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Lead	98	(90 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CE
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Magnesium	97	(90 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CF
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Manganese	100	(90 - 111)	SW846 6010B	10/09-10/10/01	ELRCX1CG
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Nickel	99	(90 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CH
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Potassium	98	(89 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CJ
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Selenium	101	(90 - 114)	SW846 6010B	10/09-10/10/01	ELRCX1CK
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Silver	96	(90 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CL
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Sodium	100	(90 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CM
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Thallium	99	(90 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CN
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Vanadium	99	(90 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CP
		Dilution Factor: 1			
		Analysis Time..: 10:53			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J010131 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	104	(90 - 115)	SW846 6010B	10/09-10/10/01	ELRCX1CQ
		Dilution Factor: 1			
		Analysis Time..: 10:53			

LCS Lot-Sample#: H1J090000-394 **Prep Batch #...:** 1282394

Mercury	102	(90 - 110)	SW846 7470A	10/10/01	ELT7K1AC
		Dilution Factor: 1			
		Analysis Time..: 12:46			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J010131 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J090000-408 **Prep Batch #...:** 1282408					
Aluminum	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A2
Antimony	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A3
Arsenic	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A4
Barium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A5
Beryllium	104	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A6
Cadmium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A7
Calcium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A8
Chromium	100	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A9
Cobalt	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CA
Copper	98	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CC

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J010131 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CD
Lead	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CE
Magnesium	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CF
Manganese	102	(90 - 111)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CG
Nickel	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CH
Potassium	98	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CJ
Selenium	103	(90 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CK
Silver	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CL
Sodium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CM
Thallium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CN
Vanadium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CP

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J010131 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	106	(90 - 115)	SW846 6010B	10/10-10/12/01	ELT9P1CQ
		Dilution Factor: 1			
		Analysis Time..: 10:51			

LCS Lot-Sample#: H1J090000-409 Prep Batch #...: 1282409

Mercury	103	(90 - 110)	SW846 7470A	10/10/01	ELT9V1AC
		Dilution Factor: 1			
		Analysis Time..: 12:02			

NOTE(S):

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

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3009

General Chemistry

Lot-Sample #...: H1J010131-001 Work Order #...: ELDJT Matrix.....: WATER
Date Sampled...: 09/28/01 Date Received..: 10/01/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	704	10.0	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 10				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/05/01	1282165
		Dilution Factor: 1				
Hardness, as CaCO3	443	25.0	mg/L	MCAWW 130.2	10/16/01	1289269
		Dilution Factor: 5				
Sulfate	72.5	50.0	mg/L	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 10				
Total Alkalinity	381 J	5.0	mg/L	MCAWW 310.1	10/01/01	1275540
		Dilution Factor: 1				
Total Dissolved Solids	1390	20.0	mg/L	MCAWW 160.1	10/03-10/05/01	1276224
		Dilution Factor: 2				
Total Organic Carbon	4.9	1.0	mg/L	SW846 9060	10/18/01	1291311
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	10/03/01	1276222
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3006

General Chemistry

Lot-Sample #...: H1J010131-002 Work Order #...: ELDJX Matrix.....: WATER
Date Sampled...: 09/28/01 Date Received..: 10/01/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	4.4	1.0	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 1				
Hardness, as CaCO3	552	25.0	mg/L	MCAWW 130.2	10/16/01	1289269
		Dilution Factor: 5				
Sulfate	163	50.0	mg/L	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 10				
Total Alkalinity	370 J	5.0	mg/L	MCAWW 310.1	10/01/01	1275540
		Dilution Factor: 1				
Total Dissolved Solids	644	10.0	mg/L	MCAWW 160.1	10/03-10/05/01	1276224
		Dilution Factor: 1				
Total Organic Carbon	7.0	1.0	mg/L	SW846 9060	10/18/01	1291311
		Dilution Factor: 1				
Total Suspended Solids	21.0	4.0	mg/L	MCAWW 160.2	10/03/01	1276222
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3018

General Chemistry

Lot-Sample #...: H1J010131-003 Work Order #...: ELDJ1 Matrix.....: WATER
Date Sampled...: 09/28/01 Date Received..: 10/01/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	72.2	4.0	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 4				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/05/01	1282165
		Dilution Factor: 1				
Hardness, as CaCO3	1200	25.0	mg/L	MCAWW 130.2	10/16/01	1289269
		Dilution Factor: 5				
Sulfate	1440	250	mg/L	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 50				
Total Alkalinity	482 J	5.0	mg/L	MCAWW 310.1	10/01/01	1275540
		Dilution Factor: 1				
Total Dissolved Solids	3570	40.0	mg/L	MCAWW 160.1	10/03-10/05/01	1276224
		Dilution Factor: 4				
Total Organic Carbon	617	40.0	mg/L	SW846 9060	10/18/01	1291311
		Dilution Factor: 40				
Total Suspended Solids	11.0	4.0	mg/L	MCAWW 160.2	10/03/01	1276222
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1J010131 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JN1AA		MB Lot-Sample #:	A1J140000-109	
	ND	1.0	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 1				
Cyanide, Total		Work Order #: ELR601AA		MB Lot-Sample #:	H1J090000-165	
	ND	0.010	mg/L	SW846 9012A	10/05/01	1282165
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: EL7NT1AA		MB Lot-Sample #:	A1J160000-269	
	ND	5.0	mg/L	MCAWW 130.2	10/16/01	1289269
		Dilution Factor: 1				
Sulfate		Work Order #: EL8JM1AA		MB Lot-Sample #:	A1J160000-368	
	ND	5.0	mg/L	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 1				
Total Alkalinity		Work Order #: ELF9L1AA		MB Lot-Sample #:	A1J020000-540	
	4.0 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/01/01**	**1275540**
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: ELGNV1AA		MB Lot-Sample #:	A1J030000-224	
	ND	10.0	mg/L	MCAWW 160.1	10/03-10/05/01	1276224
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: EMC371AA		MB Lot-Sample #:	A1J180000-311	
	ND	1.0	mg/L	SW846 9060	10/17/01	1291311
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: ELGNQ1AA		MB Lot-Sample #:	A1J030000-222	
	ND	4.0	mg/L	MCAWW 160.2	10/03/01	1276222
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J010131 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated			Work Order #: EL5JN1AC		LCS Lot-Sample#:	A1J140000-109	
	124	115	mg/L	93	MCAWW 325.2	10/14/01	1287109
			Dilution Factor: 1				
Cyanide, Total			Work Order #: ELR601AC		LCS Lot-Sample#:	H1J090000-165	
	0.200	0.201	mg/L	100	SW846 9012A	10/05/01	1282165
			Dilution Factor: 1				
Hardness, as CaCO3			Work Order #: EL7NT1AC		LCS Lot-Sample#:	A1J160000-269	
	76.8	70.9	mg/L	92	MCAWW 130.2	10/16/01	1289269
			Dilution Factor: 1				
Sulfate			Work Order #: EL8JM1AC		LCS Lot-Sample#:	A1J160000-368	
	18.3	18.8	mg/L	103	MCAWW 375.4	10/16/01	1289368
			Dilution Factor: 1				
Total Alkalinity			Work Order #: ELF9L1AC		LCS Lot-Sample#:	A1J020000-540	
	18.3	20.4	mg/L	111	MCAWW 310.1	10/01/01	1275540
			Dilution Factor: 1				
Total Dissolved Solids			Work Order #: ELGNV1AC		LCS Lot-Sample#:	A1J030000-224	
	281	276	mg/L	98	MCAWW 160.1	10/03-10/05/01	1276224
			Dilution Factor: 1				
Total Organic Carbon			Work Order #: EMC371AC		LCS Lot-Sample#:	A1J180000-311	
	50.4	52.6	mg/L	104	SW846 9060	10/17/01	1291311
			Dilution Factor: 1				
Total Suspended Solids			Work Order #: ELGNQ1AC		LCS Lot-Sample#:	A1J030000-222	
	66.2	61.0	mg/L	92	MCAWW 160.2	10/03/01	1276222
			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 #...: H1J010131 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JN1AC		LCS Lot-Sample#: A1J140000-109	
	93	(90 - 115)	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 1			
Cyanide, Total		Work Order #: ELR601AC		LCS Lot-Sample#: H1J090000-165	
	100	(88 - 113)	SW846 9012A	10/05/01	1282165
		Dilution Factor: 1			
Hardness, as CaCO3		Work Order #: EL7NT1AC		LCS Lot-Sample#: A1J160000-269	
	92	(84 - 116)	MCAWW 130.2	10/16/01	1289269
		Dilution Factor: 1			
Sulfate		Work Order #: EL8JM1AC		LCS Lot-Sample#: A1J160000-368	
	103	(80 - 112)	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 1			
Total Alkalinity		Work Order #: ELF9L1AC		LCS Lot-Sample#: A1J020000-540	
	111	(90 - 127)	MCAWW 310.1	10/01/01	1275540
		Dilution Factor: 1			
Total Dissolved Solids		Work Order #: ELGNV1AC		LCS Lot-Sample#: A1J030000-224	
	98	(69 - 120)	MCAWW 160.1	10/03-10/05/01	1276224
		Dilution Factor: 1			
Total Organic Carbon		Work Order #: EMC371AC		LCS Lot-Sample#: A1J180000-311	
	104	(88 - 115)	SW846 9060	10/17/01	1291311
		Dilution Factor: 1			
Total Suspended Solids		Work Order #: ELGNQ1AC		LCS Lot-Sample#: A1J030000-222	
	92	(66 - 119)	MCAWW 160.2	10/03/01	1276222
		Dilution Factor: 1			

NOTE(S):

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

Sample Receipt Documentation

H1J01013

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW0928STL-K

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Keesler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 9/28/01
Laboratory Destination: STL - Knoxville
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 827700978216

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD0017	Soil	9/28/01 15:00	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
BD0018	Soil	9/28/01 15:25	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives	Rec'd temp.	3°c
BD0019	Soil	9/28/01 15:25	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives	Custody Seals intact	
BD0021	Soil	9/28/01 16:26	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives	Fedex 82 77 00978 2816	
BD0022	Soil	9/28/01 16:30	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives	MFH-10-01-01	
BD0029	Soil	9/28/01 13:05	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
BD0030	Soil	9/28/01 13:25	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
BD3009	Water	9/28/01 16:35	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide	Cyanide pH 7, Preserved in Lab to ~~pH~~ pH >12 with NaOH by MFH 10/01/01	

Special Instructions:

Possible Hazard Identification. Use caution when handling.
Non-haz: Flammable: Poison B: Unknown:

Sample Disposal:
Return to Client: Disposal by Lab: Archive:

Turnaround Time:
Normal: 21 DAYS Rush:

Level of QC Required:
I. II. III. Project Specific:

1. Relinquished by:	Date: Time:	1. Received by: Mathew T. Howard	Date: 10-01-01 Time: 09:10
2. Relinquished by:	Date: Time:	2. Received by:	Date: Time:
3. Relinquished by:	Date: Time:	2. Received by:	Date: Time:

H1J010131

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW0928STL

Project Name/No.: Plumbrook Ordinace Works / 825635 Laboratory Destination: STL - Knoxville Sample Shipment Date: 9/28/01

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD3006	Water	9/28/01 09:20	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide		
BD3018	Water	9/28/01 11:40	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide	Metals - ph2 Cyanide - ph7, Preserved in Lab with NaOH to ph>12 By mfH	
TB092801A	Water	9/28/01 18:00	VOA vials	40 ml		Volatiles		

STL KNOXVILLE
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT PROJECT: PGOW Lot No.: H1301013 1

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?	✓		
(NOTE: North Carolina, 1668, 1613B have 0-4°C requirement)			
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 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: 10-1-01

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 49281			
b. Informed Login associates of special instructions ?			X
2. If custody seals were missing/not intact, was client notified?			X

PROJECT MANAGER : [signature] DATE: 10/02/01

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
ALL	8260, 8270, 9012, 6010	6A	
BD3009	9012	4F	RECEIVED AT pH 7
BD3018	↓	↓	↓
BD0017	8260, 8330, 6010, SPLP 8330	4B	
BD0018	↓	↓	
BD0019			

☒ Client informed on 10/01/01 by phone. Person contacted: V Graves.
☐ Noted actions in comments section above.
☐ No action necessary; process as is.

Project Manager: [signature] Date: 10/02/01

STL KNOXVILLE
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 received with < ½ holding time remaining
	4e Sample preservative: _____
	4f 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): _____

STL KNOXVILLE

SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Page 3 of 4 Lot # HJ010131

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
BD0021	8260, 8330, 6010, SPLP 8330	4B	
BD0022	↓	↓	
BD0029			
BD0030			
BD3009	8260, T+D 6010		
BD3006	8260, T+D 6010, 9012		
BD3018	8260		
TB092801A	8260		
BD 3006	nitrate, turbidity	4c	do not long
BD 3009	↓	↓	↓
BD 3018			

STL KNOXVILLE

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 received with < ½ holding time remaining
	4e Sample preservative: _____
	4f 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): _____

_____

_____

_____

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW0928STL-N

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Keesler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 9/28/01
Laboratory Destination: STL - North Canton
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 830345664234

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD3006	Water	9/28/01 09:20	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
BD3009	Water	9/28/01 16:35	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
BD3018	Water	9/28/01 11:40	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: Flammable: Poison B: Unknown:

Sample Disposal:
Return to Client: Disposal by Lab: Archive:

Turnaround Time:
Normal: Rush:

Level of QC Required:
I. II. III.

Project Specific:

1. Relinquished by: [signature] Date: 9-28-01 Time: 18:00
2. Relinquished by: Date: Time:
3. Relinquished by: Date: Time:

1. Received by: [signature] Date: 10-1-01 Time: 10:00
2. Received by: Date: Time:
2. Received by: Date: Time:

Comments: Please disregard laboratory reference on bottle labels.

STL Cooler Receipt Form/Narrative
North Canton Facility

Client: IT Project: Plumbrook Quote#: _____
Cooler Received on: 10-1-01 Opened on: 10-1-01 by: Jennifer Miller (Signature)

Fedx [X] Client Drop Off [ ] UPS [ ] Airborne [ ]
Other: _____

Cooler [ ] Safe [ ] Foam Box [ ] Client Cooler [X] Other: _____
STL Shipper No#: _____

1. Were custody seals on the outside of the cooler and intact? Yes [X] No [ ]
   If YES, Quantity 2 Location over lid
   Were the custody seals signed and dated? Yes [X] No [ ] NA [ ]
2. Shipper's packing slip attached to this form? Yes [X] No [ ]
3. Were custody papers included inside the cooler and relinquished? Yes [X] No [ ]
4. Did you sign the custody papers in the appropriate place? Yes [X] No [ ]
5. Packing material used:
Peanuts [ ] Bubble Wrap [X] Vermiculite [ ] Foam [ ] None [ ] Other: _____
6. Cooler temperature upon receipt ~~4.4~~ 2.6 °C (see back of form for multiple coolers/temp)
METHOD: Temperature Vial [X] Between Coolant & Sample Container [X] 10-1-01 Against Bottles [ ]
COOLANT: Wet Ice [X] Blue Ice [ ] Dry Ice [ ] Water [ ] None [ ]
7. Were all the bottles sealed in separate plastic bags? Yes [X] No [ ]
8. Did all bottles arrive in good condition (Unbroken)? Yes [X] No [ ]
9. Did all bottle labels and tags agree with the custody papers? Yes [X] No [ ]
10. Were samples at the correct pH? Yes [X] No [ ] NA [ ]
11. Were correct bottles used for the tests indicated? Yes [X] No [ ]
12. Were air bubbles >6 mm in any VOA vials? Yes [ ] No [X] NA [ ]
13. Was a sufficient amount of sample sent in each bottle? Yes [X] No [ ]
Contacted PM _____ Date: _____ by: _____ via Voice Mail [ ] Verbal [ ] Other [ ]
Concerning: _____

√	MACRO	MACRO
1. CHAIN OF CUSTODY		
	SR1A	Samples were received under proper custody procedures and without discrepancies.
	SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred _____
2. SAMPLE CONDITION		
	SR2A	Sample(s) _____ were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) _____ were received with insufficient volume
	SR2C	Sample(s) _____ were received in a broken container.
3. SAMPLE PRESERVATION		
	SR3A	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s).
	SR3B	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
4. NCM		
	SR4A	NCM has been generated. Refer to Clouseau for details
5. Other Anomalies (see below or back)		

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
BD3006	<2	10-1-01	[illegible]
BD3009	<2		
BD3018	<2		

Cooler	Temp	Method	Comments

Discrepancies Cont.

Macro Name:

Macro Name:

Macro Name:

Macro Name:

Other Anomalies:

H1J020107 Sample Data Summary **1**

Sample Receipt Documentation **117**

Volatiles **130**
Raw Sample Data 131
Standards Data 218
Raw QC Data 281
Miscellaneous Data 322

Semi-Volatiles **334**
Raw Sample Data 335
Standards Data 394
Raw QC Data 541
Miscellaneous Data 587

Explosives **602**
Raw Sample Data 603
Standards Data 633
Raw QC Data 754
Miscellaneous Data 769

Metals **776**
Sample Results 777
QC Summary 790
Quality Control Results ICP 812
Quality Control Results SuperTrace ICP 827
Quality Control Results Mercury 870
Raw Data ICP 886
Raw Data SuperTrace ICP 943
Raw Data Mercury 1302
Miscellaneous Data 1320

Wet Chemistry **1355**
Sample Summary 1356
QC Summary 1366
Raw Data 1375
Miscellaneous Data 1571

Sample Receipt Documentation **1576**

SAMPLE SUMMARY

H1J020107

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ELEK1	001	BD3012	10/01/01	12:35
ELEK2	002	TB100101K	10/01/01	
ELEK3	003	BD3012	10/01/01	12:35
ELEK4	004	BA9004	09/29/01	11:30
ELEK5	005	BA9005	09/29/01	10:50
ELEK6	006	BA9006	09/29/01	12:20
ELEK7	007	BA9007	09/29/01	10:35
ELEK8	008	BA9008	09/29/01	12:00
ELEK9	009	BA9009	09/29/01	11:40
ELELC	010	BA9010	09/29/01	11:05
ELELE	011	BA9011	09/29/01	11:15

NOTE(S):

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

ANALYTICAL METHODS SUMMARY

H1J020107

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2
Corrosivity	SW846 9045A
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate	MCAWW 353.2
Nitroaromatics and Nitramines by HPLC	SW846 8330
Non-Filterable Residue (TSS)	MCAWW 160.2
Pensky-Martens Method for Determining Ignitability	SW846 1010
Percent Moisture	MCAWW 160.3 MOD
Reactive Cyanide	SW846 7.3.3
Reactive Sulfide	SW846 7.3.4
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Sulfate	MCAWW 375.4
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	SW846 9060
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Turbidity (Nephelometric)	MCAWW 180.1
Volatile Organics by GC/MS	SW846 8260B

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
H1J020107

The results reported herein are applicable to the samples submitted for analysis only.

The original chain of custody documentation is included with this report.

Sample Receipt

The cyanide portion of sample BD3012 was received at a pH of 5. The sample was preserved by laboratory personnel.

Sample TB100101K was received but was not listed on the Chain of Custody. The sample label did not list a date or time of collection.

The nitrate portion of sample BD3012 was received after the holding time had expired. The client was notified (V. Graves, 10/2/01) and instructed the laboratory to proceed with the anlaysis.

Subcontract

The following analyses were performed by STL North Canton Laboratory, 4101 Shuffel Drive, NW, North Canton, OH 44720: Hardness (MCAAW 130.2), Total Dissolved Solids (MCAAW 160.1), Total Suspended Solids (MCAAW 160.2), Turbidity (MCAAW 180.1), Alkalinity (MCAAW 310.1), Chloride (MCAAW 325.2), Nitrate (MCAAW 353.2), Sulfate (MCAAW 375.4), Reactive Cyanide (SW846 7.3.3), Reactive Sulfide (SW846 7.3.4), FlashPoint (SW846 1010), Corrosivity (SW846 9045), and Total Organic Carbon (SW846 9060).

Quality Control

Unless otherwise noted, all holding times and QC criteria were met. The test results shown in this report meet all applicable NELAC requirements. Any exceptions are noted below.

Volatiles

The recovery of surrogate 1,2-dichloroethane-d4 was slightly outside the control limts for LCS EL7AR1AA. However, the data should not be affected since the recoveries of the

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PROJECT NARRATIVE
H1J020107

surrogates were acceptable for all samples and the recoveries of the spike compounds were acceptable.

Semi-Volatiles

All method blank, laboratory control sample (LCS), and sample surrogate criteria were met. There was one National Environmental Laboratory Accreditation Conference (NELAC) requirement that was not met, but it had no impact on the quality of the sample data. NELAC requires that if a two successive continuing calibration verification (CCV) standards fail to meet criteria, the laboratory must run two further successive CCV standards that meet calibration criteria or analyze a new initial calibration. The laboratory ran one CCV standards that met all calibration criteria. The analyte that failed in the first two CCV standards was not a TCLP target analyte, and all TCLP analytes in the LCS exhibited good recoveries. Therefore, the sample data quality is acceptable.

Explosives

Due to sample matrix interferences, estimated results below the reporting limit were not reported for some analytes. The result was qualified with an "I" flag to indicate the presence of matrix interferences.

Metals

The serial dilution of sample BD3034 was outside control limits for potassium due to physical or chemical matrix interferences.

The serial dilution of sample BD3018 was outside control limits for potassium due to physical or chemical matrix interferences.

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Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3012

GC/MS Volatiles

Lot-Sample #...: H1J020107-001 Work Order #...: ELEK11A4 Matrix.....: WATER
Date Sampled...: 10/01/01 Date Received..: 10/02/01
Prep Date.....: 10/05/01 Analysis Date..: 10/05/01
Prep Batch #...: 1278157
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	**4.0 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	91	(80 - 120)
Toluene-d8	102	(80 - 120)
Bromofluorobenzene	98	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3012

GC/MS Volatiles

Lot-Sample #...: H1J020107-001 Work Order #...: ELEK11A4 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: TB100101K

GC/MS Volatiles

Lot-Sample #...: H1J020107-002 Work Order #...: ELEK21AA Matrix.....: WATER
Date Sampled...: 10/01/01 Date Received..: 10/02/01
Prep Date.....: 10/05/01 Analysis Date..: 10/05/01
Prep Batch #...: 1278157
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**1.0 J,B**	**2.0**	**ug/L**
Acetone	**2.4 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(80 - 120)
1,2-Dichloroethane-d4	90	(80 - 120)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	98	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: TB100101K

GC/MS Volatiles

Lot-Sample #...: H1J020107-002 Work Order #...: ELEK21AA 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: BA9004

TCLP GC/MS Volatiles

Lot-Sample #...:	H1J020107-004	**Work Order #...:**	ELEK41AP	**Matrix.....:**	SOLID
Date Sampled...:	09/29/01	**Date Received..:**	10/02/01		
Leach Date.....:	10/08/01	**Prep Date.....:**	10/16/01	**Analysis Date..:**	10/16/01
Leach Batch #..:	P128109	**Prep Batch #...:**	1289218		
Dilution Factor:	1				
% Moisture.....:	13	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.050	mg/L
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(77 - 123)
1,2-Dichloroethane-d4	86	(80 - 122)
Toluene-d8	98	(80 - 120)
Bromofluorobenzene	97	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9005

TCLP GC/MS Volatiles

Lot-Sample #...:	H1J020107-005	**Work Order #...:**	ELEK51AP	**Matrix.....:**	SOLID
Date Sampled...:	09/29/01	**Date Received..:**	10/02/01		
Leach Date.....:	10/08/01	**Prep Date.....:**	10/16/01	**Analysis Date..:**	10/16/01
Leach Batch #..:	P128109	**Prep Batch #...:**	1289218		
Dilution Factor:	1				
% Moisture.....:	21	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.050	mg/L
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(77 - 123)
1,2-Dichloroethane-d4	84	(80 - 122)
Toluene-d8	96	(80 - 120)
Bromofluorobenzene	97	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9006

TCLP GC/MS Volatiles

Lot-Sample #...:	H1J020107-006	**Work Order #...:**	ELEK61AP	**Matrix.....:**	SOLID
Date Sampled...:	09/29/01	**Date Received..:**	10/02/01		
Leach Date.....:	10/08/01	**Prep Date.....:**	10/16/01	**Analysis Date..:**	10/16/01
Leach Batch #..:	P128109	**Prep Batch #...:**	1289218		
Dilution Factor:	1				
% Moisture.....:	8.5	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.050	mg/L
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(77 - 123)
1,2-Dichloroethane-d4	86	(80 - 122)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	96	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9007

TCLP GC/MS Volatiles

Lot-Sample #...: H1J020107-007	**Work Order #...:** ELEK71AP	**Matrix.....:** SOLID
Date Sampled...: 09/29/01	**Date Received..:** 10/02/01	
Leach Date.....: 10/08/01	**Prep Date.....:** 10/16/01	**Analysis Date..:** 10/16/01
Leach Batch #..: P128109	**Prep Batch #...:** 1289218	
Dilution Factor: 1		
% Moisture.....: 20	**Method.....:** SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.050	mg/L
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(77 - 123)
1,2-Dichloroethane-d4	86	(80 - 122)
Toluene-d8	96	(80 - 120)
Bromofluorobenzene	100	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9008

TCLP GC/MS Volatiles

Lot-Sample #...:	H1J020107-008	Work Order #...:	ELEK81AP	Matrix.....:	SOLID
Date Sampled...:	09/29/01	Date Received..:	10/02/01		
Leach Date.....:	10/08/01	Prep Date.....:	10/16/01	Analysis Date..:	10/16/01
Leach Batch #..:	P128205	Prep Batch #...:	1289218		
Dilution Factor:	1				
% Moisture.....:	30	Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.050	mg/L
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(77 - 123)
1,2-Dichloroethane-d4	86	(80 - 122)
Toluene-d8	96	(80 - 120)
Bromofluorobenzene	99	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9009

TCLP GC/MS Volatiles

Lot-Sample #...:	H1J020107-009	**Work Order #...:**	ELEK91AP	**Matrix.....:**	SOLID
Date Sampled...:	09/29/01	**Date Received..:**	10/02/01		
Leach Date.....:	10/08/01	**Prep Date.....:**	10/16/01	**Analysis Date..:**	10/16/01
Leach Batch #..:	P128205	**Prep Batch #...:**	1289218		
Dilution Factor:	1				
% Moisture.....:	23	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**0.017 J**	**0.050**	**mg/L**
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(77 - 123)
1,2-Dichloroethane-d4	85	(80 - 122)
Toluene-d8	95	(80 - 120)
Bromofluorobenzene	96	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9010

TCLP GC/MS Volatiles

Lot-Sample #...:	H1J020107-010	**Work Order #...:**	ELELC1AP	**Matrix.....:**	SOLID
Date Sampled...:	09/29/01	**Date Received..:**	10/02/01		
Leach Date.....:	10/08/01	**Prep Date.....:**	10/16/01	**Analysis Date..:**	10/16/01
Leach Batch #..:	P128205	**Prep Batch #...:**	1289218		
Dilution Factor:	1				
% Moisture.....:	19	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.050	mg/L
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(77 - 123)
1,2-Dichloroethane-d4	88	(80 - 122)
Toluene-d8	95	(80 - 120)
Bromofluorobenzene	94	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9011

TCLP GC/MS Volatiles

Lot-Sample #...:	H1J020107-011	**Work Order #...:**	ELELE1AP	**Matrix.....:**	SOLID
Date Sampled...:	09/29/01	**Date Received..:**	10/02/01		
Leach Date.....:	10/08/01	**Prep Date.....:**	10/16/01	**Analysis Date..:**	10/16/01
Leach Batch #..:	P128205	**Prep Batch #...:**	1289218		
Dilution Factor:	1				
% Moisture.....:	15	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.050	mg/L
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(77 - 123)
1,2-Dichloroethane-d4	85	(80 - 122)
Toluene-d8	96	(80 - 120)
Bromofluorobenzene	97	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J020107 **Work Order #...:** ELL051AA **Matrix.....:** WATER
MB Lot-Sample #: H1J050000-157

Prep Date.....: 10/05/01
Analysis Date..: 10/05/01 **Prep Batch #...:** 1278157
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	91	(80 - 120)
Toluene-d8	100	(80 - 120)
Bromofluorobenzene	95	(72 - 135)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J020107 Work Order #...: ELL051AA 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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J020107 **Work Order #...:** ELL051AC **Matrix.....:** WATER
LCS Lot-Sample#: H1J050000-157
Prep Date.....: 10/05/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1278157
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**10.1**	**ug/L**	**101**	**SW846 8260B**
Trichloroethene	**10.0**	**10.6**	**ug/L**	**106**	**SW846 8260B**
Benzene	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**
Toluene	**10.0**	**11.1**	**ug/L**	**111**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	89	(80 - 120)
Toluene-d8	102	(80 - 120)
Bromofluorobenzene	94	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J020107 Work Order #...: ELL051AC Matrix.....: WATER
LCS Lot-Sample#: H1J050000-157
Prep Date.....: 10/05/01 Analysis Date..: 10/05/01
Prep Batch #...: 1278157
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**101**	**(69 - 120)**	**SW846 8260B**
Trichloroethene	**106**	**(76 - 120)**	**SW846 8260B**
Benzene	**105**	**(76 - 120)**	**SW846 8260B**
Toluene	**111**	**(77 - 120)**	**SW846 8260B**
Chlorobenzene	**105**	**(75 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	89	(80 - 120)
Toluene-d8	102	(80 - 120)
Bromofluorobenzene	94	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

TCLP GC/MS Volatiles

Client Lot #...: H1J020107 **Work Order #...:** ELTQE1AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J090000-298
Leach Date.....: 10/08/01 **Prep Date.....:** 10/16/01 **Analysis Date..:** 10/16/01
Leach Batch #..: P128205 **Prep Batch #...:** 1289218
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.050	mg/L	SW846 8260B
Carbon tetrachloride	ND	0.050	mg/L	SW846 8260B
Chlorobenzene	ND	0.050	mg/L	SW846 8260B
Chloroform	ND	0.050	mg/L	SW846 8260B
1,2-Dichloroethane	ND	0.050	mg/L	SW846 8260B
1,1-Dichloroethylene	ND	0.050	mg/L	SW846 8260B
Methyl ethyl ketone	ND	0.20	mg/L	SW846 8260B
Tetrachloroethylene	ND	0.050	mg/L	SW846 8260B
Trichloroethylene	ND	0.050	mg/L	SW846 8260B
Vinyl chloride	ND	0.10	mg/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(77 - 123)
1,2-Dichloroethane-d4	86	(80 - 122)
Toluene-d8	98	(80 - 120)
Bromofluorobenzene	96	(74 - 137)

NOTE(S):

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

METHOD BLANK REPORT

TCLP GC/MS Volatiles

Client Lot #...: H1J020107 **Work Order #...:** ELQ381AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J080000-354
Leach Date.....: 10/08/01 **Prep Date.....:** 10/16/01 **Analysis Date..:** 10/16/01
Leach Batch #..: P128109 **Prep Batch #...:** 1289218
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.050	mg/L	SW846 8260B
Carbon tetrachloride	ND	0.050	mg/L	SW846 8260B
Chlorobenzene	ND	0.050	mg/L	SW846 8260B
Chloroform	ND	0.050	mg/L	SW846 8260B
1,2-Dichloroethane	ND	0.050	mg/L	SW846 8260B
1,1-Dichloroethylene	ND	0.050	mg/L	SW846 8260B
Methyl ethyl ketone	ND	0.20	mg/L	SW846 8260B
Tetrachloroethylene	ND	0.050	mg/L	SW846 8260B
Trichloroethylene	ND	0.050	mg/L	SW846 8260B
Vinyl chloride	ND	0.10	mg/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(77 - 123)
1,2-Dichloroethane-d4	84	(80 - 122)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	96	(74 - 137)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J020107 Work Order #...: EL7AR1AA Matrix.....: SOLID
LCS Lot-Sample#: H1J160000-218
Prep Date.....: 10/16/01 Analysis Date..: 10/16/01
Prep Batch #...: 1289218
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**0.200**	**0.219**	**mg/L**	**109**	**SW846 8260B**
Carbon tetrachloride	**0.200**	**0.138**	**mg/L**	**69**	**SW846 8260B**
Chlorobenzene	**0.200**	**0.214**	**mg/L**	**107**	**SW846 8260B**
Chloroform	**0.200**	**0.194**	**mg/L**	**97**	**SW846 8260B**
1,2-Dichloroethane	**0.200**	**0.174**	**mg/L**	**87**	**SW846 8260B**
1,1-Dichloroethylene	**0.200**	**0.198**	**mg/L**	**99**	**SW846 8260B**
Methyl ethyl ketone	**0.800**	**0.599**	**mg/L**	**75**	**SW846 8260B**
Tetrachloroethylene	**0.200**	**0.217**	**mg/L**	**109**	**SW846 8260B**
Trichloroethylene	**0.200**	**0.214**	**mg/L**	**107**	**SW846 8260B**
Vinyl chloride	**0.200**	**0.235**	**mg/L**	**118**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(77 - 123)
1,2-Dichloroethane-d4	79 *	(80 - 122)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	91	(74 - 137)

NOTE(S):

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

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J020107 Work Order #...: EL7AR1AA Matrix.....: SOLID
LCS Lot-Sample#: H1J160000-218
Prep Date.....: 10/16/01 Analysis Date..: 10/16/01
Prep Batch #...: 1289218
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**109**	**(74 - 120)**	**SW846 8260B**
Carbon tetrachloride	**69**	**(64 - 134)**	**SW846 8260B**
Chlorobenzene	**107**	**(76 - 120)**	**SW846 8260B**
Chloroform	**97**	**(74 - 120)**	**SW846 8260B**
1,2-Dichloroethane	**87**	**(70 - 125)**	**SW846 8260B**
1,1-Dichloroethylene	**99**	**(74 - 120)**	**SW846 8260B**
Methyl ethyl ketone	**75**	**(39 - 138)**	**SW846 8260B**
Tetrachloroethylene	**109**	**(74 - 120)**	**SW846 8260B**
Trichloroethylene	**107**	**(76 - 120)**	**SW846 8260B**
Vinyl chloride	**118**	**(66 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(77 - 123)
1,2-Dichloroethane-d4	79 *	(80 - 122)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	91	(74 - 137)

NOTE(S):

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

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3012

GC/MS Semivolatiles

Lot-Sample #...: H1J020107-001 **Work Order #...:** ELEK11A5 **Matrix.....:** WATER
Date Sampled...: 10/01/01 **Date Received..:** 10/02/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/09/01
Prep Batch #...: 1275169
Dilution Factor: 1 **Method.....:** SW846 8270C

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-propyl-amine	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-Trichloro-benzene	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
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3012

GC/MS Semivolatiles

Lot-Sample #...: H1J020107-001 Work Order #...: ELEK11A5 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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	**2.0 J**	**10**	**ug/L**
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	**1.0 J**	**10**	**ug/L**
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	**0.97 J**	**10**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(29 - 110)
Phenol-d5	78	(41 - 115)
Nitrobenzene-d5	85	(46 - 117)
2-Fluorobiphenyl	79	(44 - 116)
2,4,6-Tribromophenol	88	(31 - 138)
Terphenyl-d14	82	(36 - 134)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3012

GC/MS Semivolatiles

Lot-Sample #...: H1J020107-001 Work Order #...: ELEK11A5 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9004

TCLP GC/MS Semivolatiles

Lot-Sample #...:	H1J020107-004	Work Order #...:	ELEK41AQ	Matrix.....:	SOLID
Date Sampled...:	09/29/01	Date Received..:	10/02/01		
Leach Date.....:	10/04/01	Prep Date.....:	10/08/01	Analysis Date..:	10/17/01
Leach Batch #..:	P127701	Prep Batch #...:	1281292		
Dilution Factor:	1				
% Moisture.....:	13	Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	ND	0.10	mg/L
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	ND	0.050	mg/L
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichloro-phenol	ND	0.050	mg/L
2,4,6-Trichloro-phenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	77	(19 - 100)
Phenol-d5	87	(15 - 124)
Nitrobenzene-d5	92	(35 - 122)
2-Fluorobiphenyl	90	(34 - 115)
2,4,6-Tribromophenol	93	(33 - 130)
Terphenyl-d14	90	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9005

TCLP GC/MS Semivolatiles

Lot-Sample #...: H1J020107-005 Work Order #...: ELEK51AQ Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
Leach Date.....: 10/04/01 Prep Date.....: 10/08/01 Analysis Date..: 10/17/01
Leach Batch #..: P127701 Prep Batch #...: 1281292
Dilution Factor: 1
% Moisture.....: 21 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	ND	0.10	mg/L
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	ND	0.050	mg/L
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichloro-phenol	ND	0.050	mg/L
2,4,6-Trichloro-phenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	57	(19 - 100)
Phenol-d5	74	(15 - 124)
Nitrobenzene-d5	86	(35 - 122)
2-Fluorobiphenyl	81	(34 - 115)
2,4,6-Tribromophenol	85	(33 - 130)
Terphenyl-d14	94	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9006

TCLP GC/MS Semivolatiles

Lot-Sample #...:	H1J020107-006	Work Order #...:	ELEK61AQ	Matrix.....:	SOLID
Date Sampled...:	09/29/01	Date Received..:	10/02/01		
Leach Date.....:	10/04/01	Prep Date.....:	10/08/01	Analysis Date..:	10/17/01
Leach Batch #..:	P127701	Prep Batch #...:	1281292		
Dilution Factor:	1				
% Moisture.....:	8.5	Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	ND	0.10	mg/L
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	ND	0.050	mg/L
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichloro-phenol	ND	0.050	mg/L
2,4,6-Trichloro-phenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(19 - 100)
Phenol-d5	85	(15 - 124)
Nitrobenzene-d5	92	(35 - 122)
2-Fluorobiphenyl	89	(34 - 115)
2,4,6-Tribromophenol	95	(33 - 130)
Terphenyl-d14	98	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9007

TCLP GC/MS Semivolatiles

Lot-Sample #...:	H1J020107-007	Work Order #...:	ELEK71AQ	Matrix.....:	SOLID
Date Sampled...:	09/29/01	Date Received..:	10/02/01		
Leach Date.....:	10/04/01	Prep Date.....:	10/08/01	Analysis Date..:	10/17/01
Leach Batch #..:	P127701	Prep Batch #...:	1281292		
Dilution Factor:	1				
% Moisture.....:	20	Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	ND	0.10	mg/L
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	ND	0.050	mg/L
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichloro-phenol	ND	0.050	mg/L
2,4,6-Trichloro-phenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(19 - 100)
Phenol-d5	83	(15 - 124)
Nitrobenzene-d5	87	(35 - 122)
2-Fluorobiphenyl	84	(34 - 115)
2,4,6-Tribromophenol	89	(33 - 130)
Terphenyl-d14	92	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9008

TCLP GC/MS Semivolatiles

Lot-Sample #...:	H1J020107-008	Work Order #...:	ELEK81AQ	Matrix.....:	SOLID
Date Sampled...:	09/29/01	Date Received..:	10/02/01		
Leach Date.....:	10/04/01	Prep Date.....:	10/08/01	Analysis Date..:	10/17/01
Leach Batch #..:	P127701	Prep Batch #...:	1281292		
Dilution Factor:	1				
% Moisture.....:	30	Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	ND	0.10	mg/L
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	ND	0.050	mg/L
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichloro-phenol	ND	0.050	mg/L
2,4,6-Trichloro-phenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	61	(19 - 100)
Phenol-d5	75	(15 - 124)
Nitrobenzene-d5	79	(35 - 122)
2-Fluorobiphenyl	79	(34 - 115)
2,4,6-Tribromophenol	86	(33 - 130)
Terphenyl-d14	95	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9009

TCLP GC/MS Semivolatiles

Lot-Sample #...:	H1J020107-009	Work Order #...:	ELEK91AQ	Matrix.....:	SOLID
Date Sampled...:	09/29/01	Date Received..:	10/02/01		
Leach Date.....:	10/04/01	Prep Date.....:	10/08/01	Analysis Date..:	10/17/01
Leach Batch #..:	P127701	Prep Batch #...:	1281292		
Dilution Factor:	1				
% Moisture.....:	23	Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	ND	0.10	mg/L
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	ND	0.050	mg/L
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichloro-phenol	ND	0.050	mg/L
2,4,6-Trichloro-phenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	58	(19 - 100)
Phenol-d5	70	(15 - 124)
Nitrobenzene-d5	74	(35 - 122)
2-Fluorobiphenyl	73	(34 - 115)
2,4,6-Tribromophenol	75	(33 - 130)
Terphenyl-d14	86	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9011

TCLP GC/MS Semivolatiles

Lot-Sample #...:	H1J020107-011	Work Order #...:	ELELE1AQ	Matrix.....:	SOLID
Date Sampled...:	09/29/01	Date Received..:	10/02/01		
Leach Date.....:	10/04/01	Prep Date.....:	10/08/01	Analysis Date..:	10/17/01
Leach Batch #..:	P127701	Prep Batch #...:	1281292		
Dilution Factor:	1				
% Moisture.....:	15	Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	ND	0.10	mg/L
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	ND	0.050	mg/L
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichloro-phenol	ND	0.050	mg/L
2,4,6-Trichloro-phenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(19 - 100)
Phenol-d5	83	(15 - 124)
Nitrobenzene-d5	87	(35 - 122)
2-Fluorobiphenyl	87	(34 - 115)
2,4,6-Tribromophenol	87	(33 - 130)
Terphenyl-d14	95	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J020107 Work Order #...: ELEKE1AA Matrix.....: WATER
MB Lot-Sample #: H1J020000-169

Prep Date.....: 10/02/01
Analysis Date..: 10/09/01 Prep Batch #...: 1275169
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J020107 **Work Order #...:** ELEKE1AA **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(29 - 110)
Phenol-d5	81	(41 - 115)
Nitrobenzene-d5	90	(46 - 117)
2-Fluorobiphenyl	80	(44 - 116)
2,4,6-Tribromophenol	83	(31 - 138)
Terphenyl-d14	89	(36 - 134)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J020107 Work Order #...: ELEKE1AA 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 DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J020107 Work Order #...: ELEKE1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J020000-169 ELEKE1AD-LCSD
Prep Date.....: 10/02/01 Analysis Date..: 10/09/01
Prep Batch #...: 1275169
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Phenol	100	83.6	ug/L	84		SW846 8270C
	100	82.8	ug/L	83	0.96	SW846 8270C
2-Chlorophenol	100	84.3	ug/L	84		SW846 8270C
	100	84.9	ug/L	85	0.70	SW846 8270C
1,4-Dichlorobenzene	100	84.0	ug/L	84		SW846 8270C
	100	84.0	ug/L	84	0.0	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	84.4	ug/L	84		SW846 8270C
	100	83.9	ug/L	84	0.59	SW846 8270C
1,2,4-Trichloro-benzene	100	87.3	ug/L	87		SW846 8270C
	100	84.9	ug/L	85	2.8	SW846 8270C
4-Chloro-3-methylphenol	100	88.8	ug/L	89		SW846 8270C
	100	86.9	ug/L	87	2.2	SW846 8270C
Acenaphthene	100	73.7	ug/L	74		SW846 8270C
	100	73.1	ug/L	73	0.81	SW846 8270C
4-Nitrophenol	100	87.5	ug/L	88		SW846 8270C
	100	84.7	ug/L	85	3.2	SW846 8270C
2,4-Dinitrotoluene	100	100	ug/L	100		SW846 8270C
	100	102	ug/L	102	2.0	SW846 8270C
Pentachlorophenol	100	92.4	ug/L	92		SW846 8270C
	100	89.6	ug/L	90	3.1	SW846 8270C
Pyrene	100	74.8	ug/L	75		SW846 8270C
	100	75.0	ug/L	75	0.26	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	85	(29 - 110)
	84	(29 - 110)
Phenol-d5	89	(41 - 115)
	89	(41 - 115)
Nitrobenzene-d5	95	(46 - 117)
	94	(46 - 117)
2-Fluorobiphenyl	92	(44 - 116)
	89	(44 - 116)
2,4,6-Tribromophenol	105	(31 - 138)
	103	(31 - 138)
Terphenyl-d14	91	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J020107 **Work Order #...:** ELEKE1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J020000-169 ELEKE1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	91	(36 - 134)

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 #...: H1J020107 Work Order #...: ELEKE1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J020000-169 ELEKE1AD-LCSD
Prep Date.....: 10/02/01 Analysis Date..: 10/09/01
Prep Batch #...: 1275169
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	84	(61 - 111)			SW846 8270C
	83	(61 - 111)	0.96	(0-39)	SW846 8270C
2-Chlorophenol	84	(61 - 110)			SW846 8270C
	85	(61 - 110)	0.70	(0-41)	SW846 8270C
1,4-Dichlorobenzene	84	(49 - 110)			SW846 8270C
	84	(49 - 110)	0.0	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	84	(62 - 117)			SW846 8270C
	84	(62 - 117)	0.59	(0-31)	SW846 8270C
1,2,4-Trichloro-benzene	87	(64 - 109)			SW846 8270C
	85	(64 - 109)	2.8	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	89	(70 - 109)			SW846 8270C
	87	(70 - 109)	2.2	(0-28)	SW846 8270C
Acenaphthene	74	(69 - 107)			SW846 8270C
	73	(69 - 107)	0.81	(0-29)	SW846 8270C
4-Nitrophenol	88	(59 - 120)			SW846 8270C
	85	(59 - 120)	3.2	(0-30)	SW846 8270C
2,4-Dinitrotoluene	100	(77 - 118)			SW846 8270C
	102	(77 - 118)	2.0	(0-29)	SW846 8270C
Pentachlorophenol	92	(38 - 124)			SW846 8270C
	90	(38 - 124)	3.1	(0-41)	SW846 8270C
Pyrene	75	(75 - 125)			SW846 8270C
	75	(75 - 125)	0.26	(0-26)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	85	(29 - 110)
	84	(29 - 110)
Phenol-d5	89	(41 - 115)
	89	(41 - 115)
Nitrobenzene-d5	95	(46 - 117)
	94	(46 - 117)
2-Fluorobiphenyl	92	(44 - 116)
	89	(44 - 116)
2,4,6-Tribromophenol	105	(31 - 138)
	103	(31 - 138)
Terphenyl-d14	91	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J020107 Work Order #...: ELEKE1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J020000-169 ELEKE1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	91	(36 - 134)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

TCLP GC/MS Semivolatiles

Client Lot #...: H1J020107 Work Order #...: ELJL41AK Matrix.....: SOLID
MB Lot-Sample #: H1J040000-167
Leach Date.....: 10/04/01 Prep Date.....: 10/08/01 Analysis Date..: 10/16/01
Leach Batch #..: P127701 Prep Batch #...: 1281292
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
o-Cresol	ND	0.050	mg/L	SW846 8270C
m-Cresol & p-Cresol	ND	0.10	mg/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.050	mg/L	SW846 8270C
2,4-Dinitrotoluene	ND	0.050	mg/L	SW846 8270C
Hexachlorobenzene	ND	0.050	mg/L	SW846 8270C
Hexachlorobutadiene	ND	0.050	mg/L	SW846 8270C
Hexachloroethane	ND	0.050	mg/L	SW846 8270C
Nitrobenzene	ND	0.050	mg/L	SW846 8270C
Pentachlorophenol	ND	0.25	mg/L	SW846 8270C
Pyridine	ND	0.10	mg/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	0.050	mg/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	0.050	mg/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	81	(19 - 100)
Phenol-d5	90	(15 - 124)
Nitrobenzene-d5	92	(35 - 122)
2-Fluorobiphenyl	88	(34 - 115)
2,4,6-Tribromophenol	93	(33 - 130)
Terphenyl-d14	92	(28 - 132)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J020107 Work Order #...: ELQRL1AC Matrix.....: SOLID
LCS Lot-Sample#: H1J080000-292
Prep Date.....: 10/08/01 Analysis Date..: 10/16/01
Prep Batch #...: 1281292
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
o-Cresol	0.500	0.459	mg/L	92	SW846 8270C
m-Cresol & p-Cresol	1.00	0.857	mg/L	86	SW846 8270C
1,4-Dichlorobenzene	0.500	0.462	mg/L	92	SW846 8270C
2,4-Dinitrotoluene	0.500	0.583	mg/L	117	SW846 8270C
Hexachlorobenzene	0.500	0.477	mg/L	95	SW846 8270C
Hexachlorobutadiene	0.500	0.433	mg/L	87	SW846 8270C
Hexachloroethane	0.500	0.483	mg/L	97	SW846 8270C
Nitrobenzene	0.500	0.507	mg/L	101	SW846 8270C
Pentachlorophenol	0.500	0.534	mg/L	107	SW846 8270C
Pyridine	0.500	0.403	mg/L	81	SW846 8270C
2,4,5-Trichloro-phenol	0.500	0.505	mg/L	101	SW846 8270C
2,4,6-Trichloro-phenol	0.500	0.504	mg/L	101	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	86	(19 - 100)
Phenol-d5	97	(15 - 124)
Nitrobenzene-d5	104	(35 - 122)
2-Fluorobiphenyl	100	(34 - 115)
2,4,6-Tribromophenol	110	(33 - 130)
Terphenyl-d14	104	(28 - 132)

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 #...: H1J020107 Work Order #...: ELQRL1AC Matrix.....: SOLID
LCS Lot-Sample#: H1J080000-292
Prep Date.....: 10/08/01 Analysis Date..: 10/16/01
Prep Batch #...: 1281292
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
o-Cresol	92	(34 - 118)	SW846 8270C
m-Cresol & p-Cresol	86	(29 - 134)	SW846 8270C
1,4-Dichlorobenzene	92	(34 - 104)	SW846 8270C
2,4-Dinitrotoluene	117	(47 - 122)	SW846 8270C
Hexachlorobenzene	95	(42 - 139)	SW846 8270C
Hexachlorobutadiene	87	(28 - 105)	SW846 8270C
Hexachloroethane	97	(24 - 103)	SW846 8270C
Nitrobenzene	101	(30 - 135)	SW846 8270C
Pentachlorophenol	107	(29 - 124)	SW846 8270C
Pyridine	81	(10 - 128)	SW846 8270C
2,4,5-Trichloro-phenol	101	(43 - 124)	SW846 8270C
2,4,6-Trichloro-phenol	101	(42 - 114)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	86	(19 - 100)
Phenol-d5	97	(15 - 124)
Nitrobenzene-d5	104	(35 - 122)
2-Fluorobiphenyl	100	(34 - 115)
2,4,6-Tribromophenol	110	(33 - 130)
Terphenyl-d14	104	(28 - 132)

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: BD3012

HPLC

Lot-Sample #...: H1J020107-001 **Work Order #...:** ELEK11A3 **Matrix.....:** WATER
Date Sampled...: 10/01/01 **Date Received..:** 10/02/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1275198
Dilution Factor: 5 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	2.5	ug/L
RDX	ND	2.5	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
Tetryl	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
2,4,6-Trinitrotoluene	**23**	**1.0**	**ug/L**
4-Amino-2,6-dinitrotoluene	**21**	**1.0**	**ug/L**
2-Amino-4,6-dinitrotoluene	**24**	**1.0**	**ug/L**
2,6-Dinitrotoluene	ND G	10	ug/L
2,4-Dinitrotoluene	**5.6**	**1.0**	**ug/L**
2-Nitrotoluene	ND	1.0	ug/L
4-Nitrotoluene	ND	1.0	ug/L
3-Nitrotoluene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	76	(53 - 133)

NOTE(S):

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9004

HPLC

Lot-Sample #...: H1J020107-004 **Work Order #...:** ELEK41AC **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 13 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	82	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9005

HPLC

Lot-Sample #...: H1J020107-005 **Work Order #...:** ELEK51AC **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	84	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9006

HPLC

Lot-Sample #...: H1J020107-006 **Work Order #...:** ELEK61AC **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 8.5 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
2-Amino-4,6-dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	**0.10 J**	**0.25**	**mg/kg**
2,4-Dinitrotoluene	**0.069 J**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	85	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9007

HPLC

Lot-Sample #...: H1J020107-007 **Work Order #...:** ELEK71AC **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	81	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9008

HPLC

Lot-Sample #...: H1J020107-008 **Work Order #...:** ELEK81AC **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 30 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	82	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9009

HPLC

Lot-Sample #...: H1J020107-009 **Work Order #...:** ELEK91AC **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 23 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
2-Amino-4,6-dinitrotoluene	**0.10 J**	**0.25**	**mg/kg**
2,6-Dinitrotoluene	ND I	0.25	mg/kg
2,4-Dinitrotoluene	ND I	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND I	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	86	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9010

HPLC

Lot-Sample #...: H1J020107-010 **Work Order #...:** ELELC1AC **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	83	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9011

HPLC

Lot-Sample #...: H1J020107-011 **Work Order #...:** ELELE1AC **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	86	(74 - 121)

METHOD BLANK REPORT

HPLC

Client Lot #...: H1J020107 **Work Order #...:** ELEL11AA **Matrix.....:** WATER
MB Lot-Sample #: H1J020000-198

Prep Date.....: 10/02/01
Analysis Date..: 10/04/01 **Prep Batch #...:** 1275198
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	69	(53 - 133)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J020107 **Work Order #...:** ELEL11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J020000-198 ELEL11AD-LCSD
Prep Date.....: 10/02/01 **Analysis Date..:** 10/04/01
Prep Batch #...: 1275198
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	**3.00**	**3.04**	**ug/L**	**101**		**SW846 8330**
	3.00	**3.04**	**ug/L**	**101**	**0.010**	**SW846 8330**
RDX	**3.00**	**3.10**	**ug/L**	**103**		**SW846 8330**
	3.00	**3.12**	**ug/L**	**104**	**0.73**	**SW846 8330**
1,3,5-Trinitrobenzene	**3.00**	**2.92**	**ug/L**	**97**		**SW846 8330**
	3.00	**2.97**	**ug/L**	**99**	**1.9**	**SW846 8330**
1,3-Dinitrobenzene	**3.00**	**2.76**	**ug/L**	**92**		**SW846 8330**
	3.00	**2.86**	**ug/L**	**95**	**3.4**	**SW846 8330**
Tetryl	**3.00**	**3.05**	**ug/L**	**102**		**SW846 8330**
	3.00	**3.09**	**ug/L**	**103**	**1.3**	**SW846 8330**
Nitrobenzene	**3.00**	**2.55**	**ug/L**	**85**		**SW846 8330**
	3.00	**2.64**	**ug/L**	**88**	**3.4**	**SW846 8330**
2,4,6-Trinitrotoluene	**3.00**	**2.84**	**ug/L**	**95**		**SW846 8330**
	3.00	**2.91**	**ug/L**	**97**	**2.2**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**3.00**	**2.75**	**ug/L**	**92**		**SW846 8330**
	3.00	**2.97**	**ug/L**	**99**	**7.6**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**3.00**	**2.62**	**ug/L**	**87**		**SW846 8330**
	3.00	**2.82**	**ug/L**	**94**	**7.1**	**SW846 8330**
2,6-Dinitrotoluene	**3.00**	**2.68**	**ug/L**	**89**		**SW846 8330**
	3.00	**2.80**	**ug/L**	**93**	**4.2**	**SW846 8330**
2,4-Dinitrotoluene	**3.00**	**2.71**	**ug/L**	**90**		**SW846 8330**
	3.00	**2.82**	**ug/L**	**94**	**4.0**	**SW846 8330**
2-Nitrotoluene	**3.00**	**2.32**	**ug/L**	**77**		**SW846 8330**
	3.00	**2.45**	**ug/L**	**82**	**5.4**	**SW846 8330**
4-Nitrotoluene	**3.00**	**2.31**	**ug/L**	**77**		**SW846 8330**
	3.00	**2.54**	**ug/L**	**84**	**9.1**	**SW846 8330**
3-Nitrotoluene	**3.00**	**2.41**	**ug/L**	**80**		**SW846 8330**
	3.00	**2.54**	**ug/L**	**85**	**4.9**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	67	(53 - 133)
	73	(53 - 133)

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 #...: H1J020107 **Work Order #...:** ELEL11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J020000-198 ELEL11AD-LCSD
Prep Date.....: 10/02/01 **Analysis Date..:** 10/04/01
Prep Batch #...: 1275198
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**101**	**(68 - 122)**			**SW846 8330**
	101	**(68 - 122)**	**0.010**	**(0-25)**	**SW846 8330**
RDX	**103**	**(71 - 127)**			**SW846 8330**
	104	**(71 - 127)**	**0.73**	**(0-26)**	**SW846 8330**
1,3,5-Trinitrobenzene	**97**	**(70 - 124)**			**SW846 8330**
	99	**(70 - 124)**	**1.9**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**92**	**(72 - 124)**			**SW846 8330**
	95	**(72 - 124)**	**3.4**	**(0-25)**	**SW846 8330**
Tetryl	**102**	**(68 - 123)**			**SW846 8330**
	103	**(68 - 123)**	**1.3**	**(0-26)**	**SW846 8330**
Nitrobenzene	**85**	**(60 - 122)**			**SW846 8330**
	88	**(60 - 122)**	**3.4**	**(0-26)**	**SW846 8330**
2,4,6-Trinitrotoluene	**95**	**(71 - 123)**			**SW846 8330**
	97	**(71 - 123)**	**2.2**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**92**	**(66 - 122)**			**SW846 8330**
	99	**(66 - 122)**	**7.6**	**(0-26)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**87**	**(65 - 124)**			**SW846 8330**
	94	**(65 - 124)**	**7.1**	**(0-26)**	**SW846 8330**
2,6-Dinitrotoluene	**89**	**(66 - 129)**			**SW846 8330**
	93	**(66 - 129)**	**4.2**	**(0-26)**	**SW846 8330**
2,4-Dinitrotoluene	**90**	**(70 - 125)**			**SW846 8330**
	94	**(70 - 125)**	**4.0**	**(0-26)**	**SW846 8330**
2-Nitrotoluene	**77**	**(54 - 121)**			**SW846 8330**
	82	**(54 - 121)**	**5.4**	**(0-27)**	**SW846 8330**
4-Nitrotoluene	**77**	**(59 - 123)**			**SW846 8330**
	84	**(59 - 123)**	**9.1**	**(0-27)**	**SW846 8330**
3-Nitrotoluene	**80**	**(58 - 124)**			**SW846 8330**
	85	**(58 - 124)**	**4.9**	**(0-27)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	67	(53 - 133)
	73	(53 - 133)

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 #...: H1J020107 **Work Order #...:** ELP731AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J070000-101

Prep Date.....: 10/07/01
Analysis Date..: 10/09/01 **Prep Batch #...:** 1280101
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	79	(74 - 121)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J020107 **Work Order #...:** ELP731AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: H1J070000-101 ELP731AD-LCSD
Prep Date.....: 10/07/01 **Analysis Date..:** 10/09/01
Prep Batch #...: 1280101
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	**3.00**	**2.84**	**mg/kg**	**95**		**SW846 8330**
	3.00	**2.84**	**mg/kg**	**95**	**0.12**	**SW846 8330**
RDX	**3.00**	**2.84**	**mg/kg**	**95**		**SW846 8330**
	3.00	**2.85**	**mg/kg**	**95**	**0.13**	**SW846 8330**
1,3,5-Trinitrobenzene	**3.00**	**2.85**	**mg/kg**	**95**		**SW846 8330**
	3.00	**2.88**	**mg/kg**	**96**	**1.0**	**SW846 8330**
1,3-Dinitrobenzene	**3.00**	**2.79**	**mg/kg**	**93**		**SW846 8330**
	3.00	**2.80**	**mg/kg**	**93**	**0.26**	**SW846 8330**
Tetryl	**3.00**	**2.75**	**mg/kg**	**92**		**SW846 8330**
	3.00	**2.79**	**mg/kg**	**93**	**1.5**	**SW846 8330**
Nitrobenzene	**3.00**	**2.80**	**mg/kg**	**93**		**SW846 8330**
	3.00	**2.78**	**mg/kg**	**93**	**0.51**	**SW846 8330**
2,4,6-Trinitrotoluene	**3.00**	**2.89**	**mg/kg**	**96**		**SW846 8330**
	3.00	**2.90**	**mg/kg**	**97**	**0.020**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**3.00**	**3.13**	**mg/kg**	**104**		**SW846 8330**
	3.00	**3.12**	**mg/kg**	**104**	**0.43**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**3.00**	**2.91**	**mg/kg**	**97**		**SW846 8330**
	3.00	**2.90**	**mg/kg**	**97**	**0.15**	**SW846 8330**
2,6-Dinitrotoluene	**3.00**	**2.76**	**mg/kg**	**92**		**SW846 8330**
	3.00	**2.75**	**mg/kg**	**92**	**0.34**	**SW846 8330**
2,4-Dinitrotoluene	**3.00**	**2.82**	**mg/kg**	**94**		**SW846 8330**
	3.00	**2.83**	**mg/kg**	**94**	**0.37**	**SW846 8330**
2-Nitrotoluene	**3.00**	**2.76**	**mg/kg**	**92**		**SW846 8330**
	3.00	**2.73**	**mg/kg**	**91**	**0.97**	**SW846 8330**
4-Nitrotoluene	**3.00**	**2.73**	**mg/kg**	**91**		**SW846 8330**
	3.00	**2.69**	**mg/kg**	**90**	**1.5**	**SW846 8330**
3-Nitrotoluene	**3.00**	**2.77**	**mg/kg**	**92**		**SW846 8330**
	3.00	**2.75**	**mg/kg**	**92**	**0.79**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	79	(74 - 121)
	77	(74 - 121)

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 #...: H1J020107 Work Order #...: ELP731AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: H1J070000-101 ELP731AD-LCSD
Prep Date.....: 10/07/01 Analysis Date..: 10/09/01
Prep Batch #...: 1280101
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**95**	**(76 - 121)**			**SW846 8330**
	95	**(76 - 121)**	**0.12**	**(0-26)**	**SW846 8330**
RDX	**95**	**(79 - 118)**			**SW846 8330**
	95	**(79 - 118)**	**0.13**	**(0-23)**	**SW846 8330**
1,3,5-Trinitrobenzene	**95**	**(76 - 116)**			**SW846 8330**
	96	**(76 - 116)**	**1.0**	**(0-27)**	**SW846 8330**
1,3-Dinitrobenzene	**93**	**(75 - 117)**			**SW846 8330**
	93	**(75 - 117)**	**0.26**	**(0-25)**	**SW846 8330**
Tetryl	**92**	**(42 - 125)**			**SW846 8330**
	93	**(42 - 125)**	**1.5**	**(0-39)**	**SW846 8330**
Nitrobenzene	**93**	**(78 - 115)**			**SW846 8330**
	93	**(78 - 115)**	**0.51**	**(0-22)**	**SW846 8330**
2,4,6-Trinitrotoluene	**96**	**(76 - 118)**			**SW846 8330**
	97	**(76 - 118)**	**0.020**	**(0-26)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**104**	**(80 - 122)**			**SW846 8330**
	104	**(80 - 122)**	**0.43**	**(0-25)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**97**	**(78 - 119)**			**SW846 8330**
	97	**(78 - 119)**	**0.15**	**(0-24)**	**SW846 8330**
2,6-Dinitrotoluene	**92**	**(74 - 122)**			**SW846 8330**
	92	**(74 - 122)**	**0.34**	**(0-24)**	**SW846 8330**
2,4-Dinitrotoluene	**94**	**(78 - 118)**			**SW846 8330**
	94	**(78 - 118)**	**0.37**	**(0-24)**	**SW846 8330**
2-Nitrotoluene	**92**	**(78 - 117)**			**SW846 8330**
	91	**(78 - 117)**	**0.97**	**(0-24)**	**SW846 8330**
4-Nitrotoluene	**91**	**(78 - 118)**			**SW846 8330**
	90	**(78 - 118)**	**1.5**	**(0-26)**	**SW846 8330**
3-Nitrotoluene	**92**	**(78 - 117)**			**SW846 8330**
	92	**(78 - 117)**	**0.79**	**(0-24)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	79	(74 - 121)
	77	(74 - 121)

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: BD3012

TOTAL Metals

Lot-Sample #...: H1J020107-001 Matrix.....: WATER
Date Sampled...: 10/01/01 Date Received..: 10/02/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1281424						
Aluminum	3310	200	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AA
		Dilution Factor: 1		Analysis Time..: 11:07		
Antimony	ND	60.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AC
		Dilution Factor: 1		Analysis Time..: 11:07		
Arsenic	6.6 B	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AD
		Dilution Factor: 1		Analysis Time..: 11:07		
Barium	23.1 B	200	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AE
		Dilution Factor: 1		Analysis Time..: 11:07		
Beryllium	2.0 B	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AF
		Dilution Factor: 1		Analysis Time..: 11:07		
Cadmium	0.58 B	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AG
		Dilution Factor: 1		Analysis Time..: 11:07		
Calcium	115000	5000	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AH
		Dilution Factor: 1		Analysis Time..: 11:07		
Chromium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AJ
		Dilution Factor: 1		Analysis Time..: 11:07		
Cobalt	101	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AK
		Dilution Factor: 1		Analysis Time..: 11:07		
Copper	6.7 B	25.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AL
		Dilution Factor: 1		Analysis Time..: 11:07		
Iron	14300	100	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AM
		Dilution Factor: 1		Analysis Time..: 11:07		
Lead	ND	3.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AN
		Dilution Factor: 1		Analysis Time..: 11:07		
Magnesium	32100	5000	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AP
		Dilution Factor: 1		Analysis Time..: 11:07		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3012

TOTAL Metals

Lot-Sample #...: H1J020107-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	1770	15.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AQ
		Dilution Factor: 1		Analysis Time..: 11:07		
Nickel	240	40.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AR
		Dilution Factor: 1		Analysis Time..: 11:07		
Potassium	4060 B	5000	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AT
		Dilution Factor: 1		Analysis Time..: 11:07		
Selenium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AU
		Dilution Factor: 1		Analysis Time..: 11:07		
Silver	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AV
		Dilution Factor: 1		Analysis Time..: 11:07		
Sodium	6070	5000	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AW
		Dilution Factor: 1		Analysis Time..: 11:07		
Thallium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AX
		Dilution Factor: 1		Analysis Time..: 11:07		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11A0
		Dilution Factor: 1		Analysis Time..: 11:07		
Zinc	214	20.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11A1
		Dilution Factor: 1		Analysis Time..: 11:07		
Prep Batch #...: 1282394						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELEK11A2
		Dilution Factor: 1		Analysis Time..: 12:54		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3012

DISSOLVED Metals

Lot-Sample #...: H1J020107-003 Matrix.....: WATER
Date Sampled...: 10/01/01 Date Received..: 10/02/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1282408						
Aluminum	3390	200	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AA
		Dilution Factor: 1		Analysis Time..: 11:27		
Antimony	ND	60.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AC
		Dilution Factor: 1		Analysis Time..: 11:27		
Arsenic	6.5 B	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AD
		Dilution Factor: 1		Analysis Time..: 11:27		
Barium	23.4 B	200	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AE
		Dilution Factor: 1		Analysis Time..: 11:27		
Beryllium	2.3 B	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AF
		Dilution Factor: 1		Analysis Time..: 11:27		
Cadmium	0.54 B	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AG
		Dilution Factor: 1		Analysis Time..: 11:27		
Calcium	119000	5000	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AH
		Dilution Factor: 1		Analysis Time..: 11:27		
Chromium	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AJ
		Dilution Factor: 1		Analysis Time..: 11:27		
Cobalt	105	50.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AK
		Dilution Factor: 1		Analysis Time..: 11:27		
Copper	2.2 B	25.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AL
		Dilution Factor: 1		Analysis Time..: 11:27		
Iron	14800	100	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AM
		Dilution Factor: 1		Analysis Time..: 11:27		
Lead	ND	3.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AN
		Dilution Factor: 1		Analysis Time..: 11:27		
Magnesium	33300	5000	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AP
		Dilution Factor: 1		Analysis Time..: 11:27		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3012

DISSOLVED Metals

Lot-Sample #...: H1J020107-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**1830**	**15.0**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELEK31AQ**
		Dilution Factor: 1		Analysis Time..: 11:27		
Nickel	**248**	**40.0**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELEK31AR**
		Dilution Factor: 1		Analysis Time..: 11:27		
Potassium	**4130 B**	**5000**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELEK31AT**
		Dilution Factor: 1		Analysis Time..: 11:27		
Selenium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AU
		Dilution Factor: 1		Analysis Time..: 11:27		
Silver	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AV
		Dilution Factor: 1		Analysis Time..: 11:27		
Sodium	**6090**	**5000**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELEK31AW**
		Dilution Factor: 1		Analysis Time..: 11:27		
Thallium	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AX
		Dilution Factor: 1		Analysis Time..: 11:27		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31A0
		Dilution Factor: 1		Analysis Time..: 11:27		
Zinc	**231**	**20.0**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELEK31A1**
		Dilution Factor: 1		Analysis Time..: 11:27		
Prep Batch #...: 1282409						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELEK31A2
		Dilution Factor: 1		Analysis Time..: 12:10		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9004

TCLP Metals

Lot-Sample #...: H1J020107-004 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
Leach Date.....: 10/04/01 Leach Batch #..: P127701

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280094						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK41AD
		Dilution Factor: 1		Analysis Time..: 11:22		
Barium	0.56 B,J	10.0	mg/L	SW846 6010B	10/07-10/11/01	ELEK41AE
		Dilution Factor: 1		Analysis Time..: 11:22		
Cadmium	0.0043 B	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELEK41AF
		Dilution Factor: 1		Analysis Time..: 11:22		
Chromium	0.042 B	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK41AG
		Dilution Factor: 1		Analysis Time..: 11:22		
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK41AH
		Dilution Factor: 1		Analysis Time..: 11:22		
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELEK41AJ
		Dilution Factor: 1		Analysis Time..: 11:22		
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK41AK
		Dilution Factor: 1		Analysis Time..: 11:22		
Prep Batch #...: 1282395						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELEK41AL
		Dilution Factor: 1		Analysis Time..: 12:18		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9005

TCLP Metals

Lot-Sample #...: H1J020107-005 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
Leach Date.....: 10/04/01 Leach Batch #..: P127701

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280094						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK51AD
		Dilution Factor: 1		Analysis Time..: 11:26		
Barium	0.90 B,J	10.0	mg/L	SW846 6010B	10/07-10/11/01	ELEK51AE
		Dilution Factor: 1		Analysis Time..: 11:26		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELEK51AF
		Dilution Factor: 1		Analysis Time..: 11:26		
Chromium	0.011 B	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK51AG
		Dilution Factor: 1		Analysis Time..: 11:26		
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK51AH
		Dilution Factor: 1		Analysis Time..: 11:26		
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELEK51AJ
		Dilution Factor: 1		Analysis Time..: 11:26		
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK51AK
		Dilution Factor: 1		Analysis Time..: 11:26		
Prep Batch #...: 1282395						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELEK51AL
		Dilution Factor: 1		Analysis Time..: 12:24		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9006

TCLP Metals

Lot-Sample #...: H1J020107-006 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
Leach Date.....: 10/04/01 Leach Batch #..: P127701

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280094						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK61AD
		Dilution Factor: 1		Analysis Time..: 11:30		
Barium	**0.098 B,J**	**10.0**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELEK61AE**
		Dilution Factor: 1		Analysis Time..: 11:30		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELEK61AF
		Dilution Factor: 1		Analysis Time..: 11:30		
Chromium	**0.012 B**	**0.50**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELEK61AG**
		Dilution Factor: 1		Analysis Time..: 11:30		
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK61AH
		Dilution Factor: 1		Analysis Time..: 11:30		
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELEK61AJ
		Dilution Factor: 1		Analysis Time..: 11:30		
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK61AK
		Dilution Factor: 1		Analysis Time..: 11:30		
Prep Batch #...: 1282395						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELEK61AL
		Dilution Factor: 1		Analysis Time..: 12:26		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9007

TCLP Metals

Lot-Sample #...: H1J020107-007 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
Leach Date.....: 10/04/01 Leach Batch #..: P127701

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280094						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK71AD
		Dilution Factor: 1		Analysis Time..: 11:34		
Barium	0.75 B,J	10.0	mg/L	SW846 6010B	10/07-10/11/01	ELEK71AE
		Dilution Factor: 1		Analysis Time..: 11:34		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELEK71AF
		Dilution Factor: 1		Analysis Time..: 11:34		
Chromium	0.0092 B	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK71AG
		Dilution Factor: 1		Analysis Time..: 11:34		
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK71AH
		Dilution Factor: 1		Analysis Time..: 11:34		
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELEK71AJ
		Dilution Factor: 1		Analysis Time..: 11:34		
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK71AK
		Dilution Factor: 1		Analysis Time..: 11:34		
Prep Batch #...: 1282395						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELEK71AL
		Dilution Factor: 1		Analysis Time..: 12:31		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9008

TCLP Metals

Lot-Sample #...: H1J020107-008 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
Leach Date.....: 10/04/01 Leach Batch #..: P127701

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280094						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK81AD
		Dilution Factor: 1		Analysis Time..: 11:38		
Barium	**0.14 B,J**	**10.0**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELEK81AE**
		Dilution Factor: 1		Analysis Time..: 11:38		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELEK81AF
		Dilution Factor: 1		Analysis Time..: 11:38		
Chromium	**0.011 B**	**0.50**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELEK81AG**
		Dilution Factor: 1		Analysis Time..: 11:38		
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK81AH
		Dilution Factor: 1		Analysis Time..: 11:38		
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELEK81AJ
		Dilution Factor: 1		Analysis Time..: 11:38		
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK81AK
		Dilution Factor: 1		Analysis Time..: 11:38		
Prep Batch #...: 1282395						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELEK81AL
		Dilution Factor: 1		Analysis Time..: 12:33		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9009

TCLP Metals

Lot-Sample #...: H1J020107-009 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
Leach Date.....: 10/04/01 Leach Batch #..: P127701

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280094						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK91AD
		Dilution Factor: 1		Analysis Time..: 12:03		
Barium	**0.90 B,J**	**10.0**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELEK91AE**
		Dilution Factor: 1		Analysis Time..: 12:03		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELEK91AF
		Dilution Factor: 1		Analysis Time..: 12:03		
Chromium	**0.0096 B**	**0.50**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELEK91AG**
		Dilution Factor: 1		Analysis Time..: 12:03		
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK91AH
		Dilution Factor: 1		Analysis Time..: 12:03		
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELEK91AJ
		Dilution Factor: 1		Analysis Time..: 12:03		
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK91AK
		Dilution Factor: 1		Analysis Time..: 12:03		
Prep Batch #...: 1282395						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELEK91AL
		Dilution Factor: 1		Analysis Time..: 12:35		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9010

TCLP Metals

Lot-Sample #...: H1J020107-010 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
Leach Date.....: 10/04/01 Leach Batch #..: P127701

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280094						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELELC1AD
		Dilution Factor: 1		Analysis Time..: 12:08		
Barium	**0.77 B,J**	**10.0**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELELC1AE**
		Dilution Factor: 1		Analysis Time..: 12:08		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELELC1AF
		Dilution Factor: 1		Analysis Time..: 12:08		
Chromium	**0.013 B**	**0.50**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELELC1AG**
		Dilution Factor: 1		Analysis Time..: 12:08		
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELELC1AH
		Dilution Factor: 1		Analysis Time..: 12:08		
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELELC1AJ
		Dilution Factor: 1		Analysis Time..: 12:08		
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELELC1AK
		Dilution Factor: 1		Analysis Time..: 12:08		
Prep Batch #...: 1282395						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELELC1AL
		Dilution Factor: 1		Analysis Time..: 12:37		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9011

TCLP Metals

Lot-Sample #...: H1J020107-011 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
Leach Date.....: 10/04/01 Leach Batch #..: P127701

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280094						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELELE1AD
		Dilution Factor: 1		Analysis Time..: 12:12		
Barium	**0.60 B,J**	**10.0**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELELE1AE**
		Dilution Factor: 1		Analysis Time..: 12:12		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELELE1AF
		Dilution Factor: 1		Analysis Time..: 12:12		
Chromium	**0.012 B**	**0.50**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELELE1AG**
		Dilution Factor: 1		Analysis Time..: 12:12		
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELELE1AH
		Dilution Factor: 1		Analysis Time..: 12:12		
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELELE1AJ
		Dilution Factor: 1		Analysis Time..: 12:12		
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELELE1AK
		Dilution Factor: 1		Analysis Time..: 12:12		
Prep Batch #...: 1282395						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELELE1AL
		Dilution Factor: 1		Analysis Time..: 12:39		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: H1J020107 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J040000-167 **Prep Batch #...:** 1280094						
Leach Date.....: 10/04/01 **Leach Batch #..:** P127701						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELJL41AA
		Dilution Factor: 1				
		Analysis Time..: 11:13				
Barium	**0.020 B**	**10.0**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELJL41AC**
		Dilution Factor: 1				
		Analysis Time..: 11:13				
Cadmium	ND	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELJL41AD
		Dilution Factor: 1				
		Analysis Time..: 11:13				
Chromium	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELJL41AE
		Dilution Factor: 1				
		Analysis Time..: 11:13				
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELJL41AF
		Dilution Factor: 1				
		Analysis Time..: 11:13				
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELJL41AG
		Dilution Factor: 1				
		Analysis Time..: 11:13				
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELJL41AH
		Dilution Factor: 1				
		Analysis Time..: 11:13				
MB Lot-Sample #: H1J040000-167 **Prep Batch #...:** 1282395						
Leach Date.....: 10/04/01 **Leach Batch #..:** P127701						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELJL41AJ
		Dilution Factor: 1				
		Analysis Time..: 12:14				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J020107 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J080000-424 Prep Batch #...: 1281424						
Aluminum	ND	200	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AA
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Antimony	ND	60.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AC
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AD
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Barium	ND	200	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AE
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AF
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AG
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Calcium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AH
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Chromium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AJ
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AK
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Copper	ND	25.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AL
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Iron	ND	100	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AM
		Dilution Factor: 1				
		Analysis Time..: 10:49				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J020107 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AN
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Magnesium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AP
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Manganese	ND	15.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AQ
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Nickel	ND	40.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AR
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Potassium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AT
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Selenium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AU
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Silver	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AV
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Sodium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AW
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Thallium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AX
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1A0
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Zinc	ND	20.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1A1
		Dilution Factor: 1				
		Analysis Time..: 10:49				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J090000-394 **Prep Batch #...:** 1282394						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELT7K1AA
		Dilution Factor: 1				
		Analysis Time..: 12:40				

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J090000-408 **Prep Batch #...:** 1282408						
Aluminum	ND	200	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AA
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Antimony	ND	60.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AC
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AD
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Barium	ND	200	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AE
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AF
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AG
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Calcium	ND	5000	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AH
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Chromium	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AJ
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AK
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Copper	ND	25.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AL
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Iron	ND	100	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AM
		Dilution Factor: 1				
		Analysis Time..: 10:47				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AN
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Magnesium	ND	5000	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AP
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Manganese	ND	15.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AQ
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Nickel	ND	40.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AR
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Potassium	ND	5000	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AT
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Selenium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AU
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Silver	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AV
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Sodium	ND	5000	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AW
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Thallium	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AX
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1A0
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Zinc	ND	20.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1A1
		Dilution Factor: 1				
		Analysis Time..: 10:47				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J090000-409 **Prep Batch #...:** 1282409						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELT9V1AA
		Dilution Factor: 1				
		Analysis Time..: 12:00				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TCLP Metals

Client Lot #...: H1J020107 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J070000-094 **Prep Batch #...:** 1280094							
Arsenic	5.00	5.30	mg/L	106	SW846 6010B	10/07-10/11/01	ELP7N1AJ
			Dilution Factor: 1				
			Analysis Time..: 11:17				
Barium	50.0	50.8	mg/L	102	SW846 6010B	10/07-10/11/01	ELP7N1AK
			Dilution Factor: 1				
			Analysis Time..: 11:17				
Cadmium	1.00	1.04	mg/L	104	SW846 6010B	10/07-10/11/01	ELP7N1AL
			Dilution Factor: 1				
			Analysis Time..: 11:17				
Chromium	5.00	5.18	mg/L	104	SW846 6010B	10/07-10/11/01	ELP7N1AM
			Dilution Factor: 1				
			Analysis Time..: 11:17				
Lead	5.00	5.12	mg/L	102	SW846 6010B	10/07-10/11/01	ELP7N1AN
			Dilution Factor: 1				
			Analysis Time..: 11:17				
Selenium	1.00	1.13	mg/L	113	SW846 6010B	10/07-10/11/01	ELP7N1AP
			Dilution Factor: 1				
			Analysis Time..: 11:17				
Silver	1.00	1.02	mg/L	102	SW846 6010B	10/07-10/11/01	ELP7N1AQ
			Dilution Factor: 1				
			Analysis Time..: 11:17				
LCS Lot-Sample#: H1J090000-395 **Prep Batch #...:** 1282395							
Mercury	0.00500	0.00497	mg/L	99	SW846 7470A	10/10/01	ELT7W1AA
			Dilution Factor: 1				
			Analysis Time..: 12:16				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

LCS Lot-Sample#: H1J080000-424 **Prep Batch #...:** 1281424

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum	2000	1980	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1A2
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Antimony	500	490	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A3
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Arsenic	2000	1980	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1A4
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Barium	2000	1960	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A5
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Beryllium	50.0	50.9	ug/L	102	SW846 6010B	10/09-10/10/01	ELRCX1A6
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Cadmium	50.0	48.8	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A7
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Calcium	50000	48700	ug/L	97	SW846 6010B	10/09-10/10/01	ELRCX1A8
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Chromium	200	196	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A9
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Cobalt	500	495	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CA
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Copper	250	245	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CC
			Dilution Factor: 1				
			Analysis Time..: 10:53				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J020107 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	978	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CD
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Lead	500	492	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CE
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Magnesium	50000	48400	ug/L	97	SW846 6010B	10/09-10/10/01	ELRCX1CF
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Manganese	500	499	ug/L	100	SW846 6010B	10/09-10/10/01	ELRCX1CG
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Nickel	500	493	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CH
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Potassium	50000	48800	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CJ
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Selenium	2000	2030	ug/L	101	SW846 6010B	10/09-10/10/01	ELRCX1CK
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Silver	50.0	48.2	ug/L	96	SW846 6010B	10/09-10/10/01	ELRCX1CL
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Sodium	50000	50000	ug/L	100	SW846 6010B	10/09-10/10/01	ELRCX1CM
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Thallium	2000	1980	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CN
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Vanadium	500	494	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CP
			Dilution Factor: 1				
			Analysis Time..: 10:53				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	519	ug/L	104	SW846 6010B	10/09-10/10/01	ELRCX1CQ
			Dilution Factor: 1				
			Analysis Time..: 10:53				

LCS Lot-Sample#: H1J090000-394 **Prep Batch #...:** 1282394

Mercury	0.00500	0.00508	mg/L	102	SW846 7470A	10/10/01	ELT7K1AC
			Dilution Factor: 1				
			Analysis Time..: 12:46				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J090000-408 **Prep Batch #...:** 1282408							
Aluminum	2000	2000	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A2
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Antimony	500	495	ug/L	99	SW846 6010B	10/10-10/12/01	ELT9P1A3
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Arsenic	2000	2010	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A4
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Barium	2000	1990	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A5
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Beryllium	50.0	52.0	ug/L	104	SW846 6010B	10/10-10/12/01	ELT9P1A6
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Cadmium	50.0	50.1	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A7
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Calcium	50000	49900	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A8
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Chromium	200	201	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A9
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Cobalt	500	505	ug/L	101	SW846 6010B	10/10-10/12/01	ELT9P1CA
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Copper	250	245	ug/L	98	SW846 6010B	10/10-10/12/01	ELT9P1CC
			Dilution Factor: 1				
			Analysis Time..: 10:51				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	982	ug/L	98	SW846 6010B	10/10-10/12/01	ELT9P1CD
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Lead	500	504	ug/L	101	SW846 6010B	10/10-10/12/01	ELT9P1CE
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Magnesium	50000	49600	ug/L	99	SW846 6010B	10/10-10/12/01	ELT9P1CF
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Manganese	500	509	ug/L	102	SW846 6010B	10/10-10/12/01	ELT9P1CG
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Nickel	500	507	ug/L	101	SW846 6010B	10/10-10/12/01	ELT9P1CH
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Potassium	50000	49100	ug/L	98	SW846 6010B	10/10-10/12/01	ELT9P1CJ
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Selenium	2000	2070	ug/L	103	SW846 6010B	10/10-10/12/01	ELT9P1CK
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Silver	50.0	49.4	ug/L	99	SW846 6010B	10/10-10/12/01	ELT9P1CL
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Sodium	50000	50100	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1CM
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Thallium	2000	2010	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1CN
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Vanadium	500	504	ug/L	101	SW846 6010B	10/10-10/12/01	ELT9P1CP
			Dilution Factor: 1				
			Analysis Time..: 10:51				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	529	ug/L	106	SW846 6010B	10/10-10/12/01	ELT9P1CQ
			Dilution Factor: 1				
			Analysis Time..: 10:51				

LCS Lot-Sample#: H1J090000-409 **Prep Batch #...:** 1282409

Mercury	0.00500	0.00516	mg/L	103	SW846 7470A	10/10/01	ELT9V1AC
			Dilution Factor: 1				
			Analysis Time..: 12:02				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: H1J020107 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J070000-094 **Prep Batch #...:** 1280094					
Arsenic	106	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:17	10/07-10/11/01	ELP7N1AJ
Barium	102	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:17	10/07-10/11/01	ELP7N1AK
Cadmium	104	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:17	10/07-10/11/01	ELP7N1AL
Chromium	104	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:17	10/07-10/11/01	ELP7N1AM
Lead	102	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:17	10/07-10/11/01	ELP7N1AN
Selenium	113	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:17	10/07-10/11/01	ELP7N1AP
Silver	102	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:17	10/07-10/11/01	ELP7N1AQ
LCS Lot-Sample#: H1J090000-395 **Prep Batch #...:** 1282395					
Mercury	99	(80 - 120)	SW846 7470A Dilution Factor: 1 Analysis Time..: 12:16	10/10/01	ELT7W1AA

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J080000-424 **Prep Batch #...:** 1281424					
Aluminum	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A2
Antimony	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A3
Arsenic	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A4
Barium	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A5
Beryllium	102	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A6
Cadmium	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A7
Calcium	97	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A8
Chromium	98	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A9
Cobalt	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CA
Copper	98	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CC

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CD
Lead	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CE
Magnesium	97	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CF
Manganese	100	(90 - 111)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CG
Nickel	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CH
Potassium	98	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CJ
Selenium	101	(90 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CK
Silver	96	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CL
Sodium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CM
Thallium	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CN
Vanadium	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CP

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	104	(90 - 115)	SW846 6010B	10/09-10/10/01	ELRCX1CQ
		Dilution Factor: 1			
		Analysis Time..: 10:53			

LCS Lot-Sample#: H1J090000-394 **Prep Batch #...:** 1282394

Mercury	102	(90 - 110)	SW846 7470A	10/10/01	ELT7K1AC
		Dilution Factor: 1			
		Analysis Time..: 12:46			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J090000-408 **Prep Batch #...:** 1282408					
Aluminum	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A2
Antimony	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A3
Arsenic	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A4
Barium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A5
Beryllium	104	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A6
Cadmium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A7
Calcium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A8
Chromium	100	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A9
Cobalt	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CA
Copper	98	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CC

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CD
Lead	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CE
Magnesium	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CF
Manganese	102	(90 - 111)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CG
Nickel	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CH
Potassium	98	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CJ
Selenium	103	(90 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CK
Silver	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CL
Sodium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CM
Thallium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CN
Vanadium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CP

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	106	(90 - 115)	SW846 6010B	10/10-10/12/01	ELT9P1CQ
		Dilution Factor: 1			
		Analysis Time..: 10:51			

LCS Lot-Sample#: H1J090000-409 **Prep Batch #...:** 1282409

Mercury	103	(90 - 110)	SW846 7470A	10/10/01	ELT9V1AC
		Dilution Factor: 1			
		Analysis Time..: 12:02			

NOTE(S):

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

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3012

General Chemistry

Lot-Sample #...: H1J020107-001 Work Order #...: ELEK1 Matrix.....: WATER
Date Sampled...: 10/01/01 Date Received..: 10/02/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	4.8	1.0	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 1				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/05/01	1282165
		Dilution Factor: 1				
Hardness, as CaCO3	443	25.0	mg/L	MCAWW 130.2	10/17/01	1290409
		Dilution Factor: 5				
Nitrate	ND	0.10	mg/L	MCAWW 353.2	10/02/01	1276422
		Dilution Factor: 1				
Sulfate	504	100	mg/L	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 20				
Total Alkalinity	2.7 B,J	5.0	mg/L	MCAWW 310.1	10/03/01	1282453
		Dilution Factor: 1				
Total Dissolved Solids	764	10.0	mg/L	MCAWW 160.1	10/04-10/05/01	1277351
		Dilution Factor: 1				
Total Organic Carbon	2.7	1.0	mg/L	SW846 9060	10/26/01	1299523
		Dilution Factor: 1				
Total Suspended Solids	5.0	4.0	mg/L	MCAWW 160.2	10/04-10/05/01	1277346
		Dilution Factor: 1				
Turbidity	2.5 J	0.50	NTU	MCAWW 180.1	10/02/01	1277589
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9004

General Chemistry

Lot-Sample #...: H1J020107-004 Work Order #...: ELEK4 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	6.3	1.0	No Units	SW846 9045A	10/03/01	1276552
	Dilution Factor: 1					
Flashpoint	>180		deg F	SW846 1010	10/16/01	1289548
	Dilution Factor: 1					
Percent Moisture	13.1	0.10	%	MCAWW 160.3 MOD	10/02-10/03/01	1276181
	Dilution Factor: 1					
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/16/01	1289530
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/16/01	1289535
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9005

General Chemistry

Lot-Sample #...: H1J020107-005 Work Order #...: ELEK5 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	7.9	1.0	No Units	SW846 9045A	10/03/01	1276552
	Dilution Factor: 1					
Flashpoint	>180		deg F	SW846 1010	10/16/01	1289548
	Dilution Factor: 1					
Percent Moisture	21.0	0.10	%	MCAWW 160.3 MOD	10/02-10/03/01	1276181
	Dilution Factor: 1					
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/16/01	1289530
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/16/01	1289535
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9006

General Chemistry

Lot-Sample #...: H1J020107-006 Work Order #...: ELEK6 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
% Moisture.....: 8.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	8.1	1.0	No Units	SW846 9045A	10/03/01	1276552
		Dilution Factor: 1				
Flashpoint	>180		deg F	SW846 1010	10/16/01	1289548
		Dilution Factor: 1				
Percent Moisture	8.5	0.10	%	MCAWW 160.3 MOD	10/02-10/03/01	1276181
		Dilution Factor: 1				
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/16/01	1289530
		Dilution Factor: 1				
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/16/01	1289535
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9007

General Chemistry

Lot-Sample #...: H1J020107-007 Work Order #...: ELEK7 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	7.7	1.0	No Units	SW846 9045A	10/03/01	1276552
		Dilution Factor: 1				
Flashpoint	>180		deg F	SW846 1010	10/16/01	1289548
		Dilution Factor: 1				
Percent Moisture	19.6	0.10	%	MCAWW 160.3 MOD	10/02-10/03/01	1276181
		Dilution Factor: 1				
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/16/01	1289530
		Dilution Factor: 1				
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/16/01	1289535
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9008

General Chemistry

Lot-Sample #...: H1J020107-008 Work Order #...: ELEK8 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
% Moisture.....: 30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	7.6	1.0	No Units	SW846 9045A	10/03/01	1276552
	Dilution Factor: 1					
Flashpoint	>180		deg F	SW846 1010	10/16/01	1289548
	Dilution Factor: 1					
Percent Moisture	29.8	0.10	%	MCAWW 160.3 MOD	10/02-10/03/01	1276181
	Dilution Factor: 1					
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/16/01	1289530
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/16/01	1289535
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9009

General Chemistry

Lot-Sample #...: H1J020107-009 Work Order #...: ELEK9 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
% Moisture.....: 23

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	8.4	1.0	No Units	SW846 9045A	10/03/01	1276552
	Dilution Factor: 1					
Flashpoint	>180		deg F	SW846 1010	10/16/01	1289548
	Dilution Factor: 1					
Percent Moisture	23.2	0.10	%	MCAWW 160.3 MOD	10/02-10/03/01	1276181
	Dilution Factor: 1					
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/16/01	1289530
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/16/01	1289535
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9010

General Chemistry

Lot-Sample #...: H1J020107-010 Work Order #...: ELELC Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	8.0	1.0	No Units	SW846 9045A	10/03/01	1276552
	Dilution Factor: 1					
Flashpoint	>180		deg F	SW846 1010	10/16/01	1289548
	Dilution Factor: 1					
Percent Moisture	19.3	0.10	%	MCAWW 160.3 MOD	10/02-10/03/01	1276181
	Dilution Factor: 1					
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/16/01	1289530
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/16/01	1289535
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9011

General Chemistry

Lot-Sample #...: H1J020107-011 Work Order #...: ELELE Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	7.8	1.0	No Units	SW846 9045A	10/03/01	1276552
	Dilution Factor: 1					
Flashpoint	>180		deg F	SW846 1010	10/16/01	1289548
	Dilution Factor: 1					
Percent Moisture	14.6	0.10	%	MCAWW 160.3 MOD	10/02-10/03/01	1276181
	Dilution Factor: 1					
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/16/01	1289530
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/16/01	1289535
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JN1AA		MB Lot-Sample #:	A1J140000-109	
	ND	1.0	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 1				
Cyanide, Total		Work Order #: ELR601AA		MB Lot-Sample #:	H1J090000-165	
	ND	0.010	mg/L	SW846 9012A	10/05/01	1282165
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: EL9681AA		MB Lot-Sample #:	A1J170000-409	
	ND	5.0	mg/L	MCAWW 130.2	10/17/01	1290409
		Dilution Factor: 1				
Nitrate		Work Order #: ELJG41AA		MB Lot-Sample #:	A1J030000-422	
	ND	0.10	mg/L	MCAWW 353.2	10/02/01	1276422
		Dilution Factor: 1				
Sulfate		Work Order #: EL8JM1AA		MB Lot-Sample #:	A1J160000-368	
	ND	5.0	mg/L	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 1				
Total Alkalinity		Work Order #: ELVE21AA		MB Lot-Sample #:	A1J090000-453	
	4.5 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/03/01**	**1282453**
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: ELQ361AA		MB Lot-Sample #:	A1J040000-351	
	ND	10.0	mg/L	MCAWW 160.1	10/04-10/08/01	1277351
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: EMW351AA		MB Lot-Sample #:	A1J260000-523	
	ND	1.0	mg/L	SW846 9060	10/26/01	1299523
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: ELQDV1AA		MB Lot-Sample #:	A1J040000-346	
	ND	4.0	mg/L	MCAWW 160.2	10/04-10/05/01	1277346
		Dilution Factor: 1				
Turbidity		Work Order #: ELLQL1AA		MB Lot-Sample #:	A1J040000-589	
	0.040 B	**0.50**	**NTU**	**MCAWW 180.1**	**10/02/01**	**1277589**
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1J020107 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Reactive Cyanide		Work Order #: EL8TM1AA		MB Lot-Sample #:	A1J160000-530	
	12.5 B	200	mg/kg	SW846 7.3.3	10/16/01	1289530
		Dilution Factor: 1				
Reactive Sulfide		Work Order #: EL8TN1AA		MB Lot-Sample #:	A1J160000-535	
	ND	200	mg/kg	SW846 7.3.4	10/16/01	1289535
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated			Work Order #: EL5JN1AC		LCS Lot-Sample#:	A1J140000-109	
	124	115	mg/L	93	MCAWW 325.2	10/14/01	1287109
			Dilution Factor: 1				
Cyanide, Total			Work Order #: ELR601AC		LCS Lot-Sample#:	H1J090000-165	
	0.200	0.201	mg/L	100	SW846 9012A	10/05/01	1282165
			Dilution Factor: 1				
Hardness, as CaCO3			Work Order #: EL9681AC		LCS Lot-Sample#:	A1J170000-409	
	224	217	mg/L	97	MCAWW 130.2	10/17/01	1290409
			Dilution Factor: 1				
Nitrate			Work Order #: ELJG41AC		LCS Lot-Sample#:	A1J030000-422	
	0.500	0.502	mg/L	100	MCAWW 353.2	10/02/01	1276422
			Dilution Factor: 1				
Sulfate			Work Order #: EL8JM1AC		LCS Lot-Sample#:	A1J160000-368	
	18.3	18.8	mg/L	103	MCAWW 375.4	10/16/01	1289368
			Dilution Factor: 1				
Total Alkalinity			Work Order #: ELVE21AC		LCS Lot-Sample#:	A1J090000-453	
	18.3	18.4	mg/L	101	MCAWW 310.1	10/03/01	1282453
			Dilution Factor: 1				
Total Dissolved Solids			Work Order #: ELQ361AC		LCS Lot-Sample#:	A1J040000-351	
	281	268	mg/L	95	MCAWW 160.1	10/04-10/08/01	1277351
			Dilution Factor: 1				
Total Organic Carbon			Work Order #: EMW351AC		LCS Lot-Sample#:	A1J260000-523	
	50.4	48.9	mg/L	97	SW846 9060	10/26/01	1299523
			Dilution Factor: 1				
Total Suspended Solids			Work Order #: ELQDV1AC		LCS Lot-Sample#:	A1J040000-346	
	66.2	63.0	mg/L	95	MCAWW 160.2	10/04-10/05/01	1277346
			Dilution Factor: 1				
Turbidity			Work Order #: ELLQL1AC		LCS Lot-Sample#:	A1J040000-589	
	1.00	1.05	NTU	105	MCAWW 180.1	10/02/01	1277589
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J020107 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity			Work Order #:	ELJG21AA	LCS Lot-Sample#:	A1J030000-552	
	9.50	9.27	No Units	98	SW846 9045A	10/03/01	1276552
			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 #...: H1J020107 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JN1AC	LCS Lot-Sample#: A1J140000-109		
	93	(90 - 115)	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 1			
Cyanide, Total		Work Order #: ELR601AC	LCS Lot-Sample#: H1J090000-165		
	100	(88 - 113)	SW846 9012A	10/05/01	1282165
		Dilution Factor: 1			
Hardness, as CaCO3		Work Order #: EL9681AC	LCS Lot-Sample#: A1J170000-409		
	97	(84 - 116)	MCAWW 130.2	10/17/01	1290409
		Dilution Factor: 1			
Nitrate		Work Order #: ELJG41AC	LCS Lot-Sample#: A1J030000-422		
	100	(77 - 116)	MCAWW 353.2	10/02/01	1276422
		Dilution Factor: 1			
Sulfate		Work Order #: EL8JM1AC	LCS Lot-Sample#: A1J160000-368		
	103	(80 - 112)	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 1			
Total Alkalinity		Work Order #: ELVE21AC	LCS Lot-Sample#: A1J090000-453		
	101	(90 - 127)	MCAWW 310.1	10/03/01	1282453
		Dilution Factor: 1			
Total Dissolved Solids		Work Order #: ELQ361AC	LCS Lot-Sample#: A1J040000-351		
	95	(69 - 120)	MCAWW 160.1	10/04-10/08/01	1277351
		Dilution Factor: 1			
Total Organic Carbon		Work Order #: EMW351AC	LCS Lot-Sample#: A1J260000-523		
	97	(88 - 115)	SW846 9060	10/26/01	1299523
		Dilution Factor: 1			
Total Suspended Solids		Work Order #: ELQDV1AC	LCS Lot-Sample#: A1J040000-346		
	95	(66 - 119)	MCAWW 160.2	10/04-10/05/01	1277346
		Dilution Factor: 1			
Turbidity		Work Order #: ELLQL1AC	LCS Lot-Sample#: A1J040000-589		
	105	(75 - 125)	MCAWW 180.1	10/02/01	1277589
		Dilution Factor: 1			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: H1J020107 Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity		Work Order #: ELJG21AA	LCS Lot-Sample#: A1J030000-552		
	98	(97 - 103)	SW846 9045A	10/03/01	1276552
		Dilution Factor: 1			

NOTE(S):

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

Sample Receipt Documentation

H1J020107

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100101STL-K

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Keesler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/01/01
Laboratory Destination: STL - Knoxville
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 830345664212

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD3012	Water	10/01/01 12:35	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide	metals - ph2 cyanide - ph 5	preserved in Lab with
BA9004	Soil	09/29/01 11:30	4 OZ. WMGJ	16 OZ.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOC, Corrosivity, Ignitability, Reactivity		NAOH to ph>12 By MFH
BA9005	Soil	09/29/01 10:50	4 OZ. WMGJ	16 OZ.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOC, Corrosivity, Ignitability, Reactivity	Rec'd temp. 3°C	
BA9006	Soil	09/29/01 12:20	4 OZ. WMGJ	16 OZ.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOC, Corrosivity, Ignitability, Reactivity	custody seals intact	
BA9007	Soil	09/29/01 10:35	4 OZ. WMGJ	16 OZ.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOC, Corrosivity, Ignitability, Reactivity	Fedex#830345664212	
BA9008	Soil	09/29/01 12:00	4 OZ. WMGJ	16 OZ.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOC, Corrosivity, Ignitability, Reactivity	MFH 10-02-01	
BA9009	Soil	09/29/01 11:40	4 OZ. WMGJ	16 OZ.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOC, Corrosivity, Ignitability, Reactivity		
BA9010	Soil	09/29/01 11:05	4 OZ. WMGJ	16 OZ.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOC, Corrosivity, Ignitability, Reactivity		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: 21 DAYS Rush: ____

Level of QC Required:
I. ____ II. ____ III. ____ Project Specific: ____

1. Relinquished by: [signature]	Date: 10-01-01 Time: 18:00	1. Received by: Matthew F. Howard	Date: 10-02-01 Time: 08:30
2. Relinquished by:	Date: Time:	2. Received by:	Date: Time:
3. Relinquished by:	Date: Time:	2. Received by:	Date: Time:

Comments:

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H1J020107

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100101STL-K

Project Name/No.: Plumbrook Ordinace Works / 825635 Laboratory Destination: STL - Knoxville Sample Shipment Date: 10/01/01

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BA9011	Soil	09/29/01 11:15	4 OZ. WMGJ	16 OZ.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOC, Corrosivity, Ignitability, Reactivity		
		10-01-01	18:00					

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STL KNOXVILLE
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Page 1 of 2

CLIENT: It. Corp. PROJECT: Plum brook ordinace works/825635 Lot No.: H1J020107

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?	✓		
(NOTE: North Carolina, 1668, 1613B have 0-4°C requirement)			
c. Were samples received with correct preservative (excluding Encore)?	✓ mft 10-02-01	✓	
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 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: Matthew T. Howard DATE: 10-02-01

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 44281			
b. Informed Login associates of special instructions ?			X
2. If custody seals were missing/not intact, was client notified?			X

PROJECT MANAGER : [signature] DATE: 10/3/01

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
BD3012	Cyanide	4e	Rec'd Ph5, Preserved to Ph>12 with NaOH
TB100101K	Trip Blank/8260	4a, 4b, 4b	2x40ml Sample rec'd But not on COC in lab.
↓	↓	↓ 10-2-01	No date/time of collection on sample IC

☒ Client informed on 10/3/01 by Conference. Person contacted: V Kraus; M McMyler
☐ Noted actions in comments section above.
☒ No action necessary; process as is.
Project Manager: [signature] Date: 10/3/01

STL KNOXVILLE
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 received with < ½ holding time remaining
	4e Sample preservative: Cyanide rec'd at Ph 5, preserved in Lab to Ph>12 Na
	4f 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): _____

STL KNOXVILLE

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT PROJECT: PBOW Lot No.: H1J020107

TO BE COMPETED BY PROJECT MANAGER:

1. Client Documents (Request for Analysis/Chain of Custody):	YES	NO	NA
a. Was QuanTIMS lot number documented on all paperwork?	X		
b. Was RFA/COC signed upon receipt, including date/time?	X		
c. Is preservative check (pH) noted on RFA/COC?	X		
d. Is cooler temperature & custody seal condition noted on COC?	X		

2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	X		
b. Were tests/parameters assigned correctly?	X		
c. Were correct analytical and report due dates assigned?	X		
d. Has the correct fax due date been assigned to the lot?			X
e. Is the correct report format noted in the lot summary?	X		
f. Is percent moisture logged for samples requiring this analysis?	X		
g. Are client assigned QC samples properly defined?			X

3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?			X
b If the purchase order number is given, is it noted in Lot header?			X
c. If samples were subcontracted, was copy of COC in folder?	X		

4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?			X
b Is SDG number noted in Lot header & sample comments?			X
c. If SDG is complete, has the due date been revised & marked closed?			X

5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	X		
b. Was there a CUR?	X		
c. Were all issues resolved?			X

LOT FOLDER REVIEWED BY: gm DATE: 10/3/01

Severn Trent Laboratories, Inc
SAMPLE ANALYSIS REQUISITION

LABORATORY: STL N Canton
4101 Shuffel Drive NW
North Canton OH 44720,DAM ER

NEED ANALYTICAL REPORT BY
10/17/01

ATTN:

LAB PURCHASE ORDER: SR033807

CLIENT CODE: 99266 PROJECT MANAGER: Jamie A. McKinney

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H1J020107-004 ELEK4-1-AR	9/29/01	Cyanide, Reactive (SW7.3.3) (CNREACT) METHOD: 7.3.3
H1J020107-004 ELEK4-1-AT	9/29/01	Sulfide, Reactive (SW7.3.4) (SULREACT) METHOD: 7.3.4
H1J020107-004 ELEK4-1-AU	9/29/01	Corrosivity (9045) (CORROS) METHOD: 9045A
H1J020107-004 ELEK4-1-AV	9/29/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010
H1J020107-005 ELEK5-1-AR	9/29/01	Cyanide, Reactive (SW7.3.3) (CNREACT) METHOD: 7.3.3
H1J020107-005 ELEK5-1-AT	9/29/01	Sulfide, Reactive (SW7.3.4) (SULREACT) METHOD: 7.3.4
H1J020107-005 ELEK5-1-AU	9/29/01	Corrosivity (9045) (CORROS) METHOD: 9045A
H1J020107-005 ELEK5-1-AV	9/29/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010
H1J020107-006 ELEK6-1-AR	9/29/01	Cyanide, Reactive (SW7.3.3) (CNREACT) METHOD: 7.3.3
H1J020107-006 ELEK6-1-AT	9/29/01	Sulfide, Reactive (SW7.3.4) (SULREACT) METHOD: 7.3.4

AIRBORNE EXPRESS 73322377 774
Ship. # 73322377-774 Svcs. EXP
Desc. H1J020107
Bill Ref. 140320
10/02/01 Wt. 24 LB 1 Pc
Dims
Bill To
2001 (10/98) W SENDER'S COPY
Zip/Postal Code 44720
Chg. $25.66

****
* CONTINUED *
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Severn Trent Laboratories, Inc
SAMPLE ANALYSIS REQUISITION

LABORATORY: STL N Canton
4101 Shuffel Drive NW
North Canton OH 44720,DAM ER

NEED ANALYTICAL REPORT BY
10/17/01
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR033807

CLIENT CODE: 99266 PROJECT MANAGER: Jamie A. McKinney

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H1J020107-006 ELEK6-1-AU	9/29/01	Corrosivity (9045) (CORROS) METHOD: 9045A
H1J020107-006 ELEK6-1-AV	9/29/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010
H1J020107-007 ELEK7-1-AR	9/29/01	Cyanide, Reactive (SW7.3.3) (CNREACT) METHOD: 7.3.3
H1J020107-007 ELEK7-1-AT	9/29/01	Sulfide, Reactive (SW7.3.4) (SULREACT) METHOD: 7.3.4
H1J020107-007 ELEK7-1-AU	9/29/01	Corrosivity (9045) (CORROS) METHOD: 9045A
H1J020107-007 ELEK7-1-AV	9/29/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010
H1J020107-008 ELEK8-1-AR	9/29/01	Cyanide, Reactive (SW7.3.3) (CNREACT) METHOD: 7.3.3
H1J020107-008 ELEK8-1-AT	9/29/01	Sulfide, Reactive (SW7.3.4) (SULREACT) METHOD: 7.3.4
H1J020107-008 ELEK8-1-AU	9/29/01	Corrosivity (9045) (CORROS) METHOD: 9045A
H1J020107-008 ELEK8-1-AV	9/29/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010

****
* CONTINUED *
****

Severn Trent Laboratories, Inc
SAMPLE ANALYSIS REQUISITION

LABORATORY: STL N Canton
4101 Shuffel Drive NW
North Canton OH 44720,DAM ER

NEED ANALYTICAL REPORT BY
10/17/01
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR033807

CLIENT CODE: 99266 PROJECT MANAGER: Jamie A. McKinney

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H1J020107-009 ELEK9-1-AR	9/29/01	Cyanide, Reactive (SW7.3.3) (CNREACT) METHOD: 7.3.3
H1J020107-009 ELEK9-1-AT	9/29/01	Sulfide, Reactive (SW7.3.4) (SULREACT) METHOD: 7.3.4
H1J020107-009 ELEK9-1-AU	9/29/01	Corrosivity (9045) (CORROS) METHOD: 9045A
H1J020107-009 ELEK9-1-AV	9/29/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010
H1J020107-010 ELELC-1-AR	9/29/01	Cyanide, Reactive (SW7.3.3) (CNREACT) METHOD: 7.3.3
H1J020107-010 ELELC-1-AT	9/29/01	Sulfide, Reactive (SW7.3.4) (SULREACT) METHOD: 7.3.4
H1J020107-010 ELELC-1-AU	9/29/01	Corrosivity (9045) (CORROS) METHOD: 9045A
H1J020107-010 ELELC-1-AV	9/29/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010
H1J020107-011 ELELE-1-AR	9/29/01	Cyanide, Reactive (SW7.3.3) (CNREACT) METHOD: 7.3.3
H1J020107-011 ELELE-1-AT	9/29/01	Sulfide, Reactive (SW7.3.4) (SULREACT) METHOD: 7.3.4

****
* CONTINUED *
****

Severn Trent Laboratories, Inc
SAMPLE ANALYSIS REQUISITION

LABORATORY: STL N Canton
4101 Shuffel Drive NW
North Canton OH 44720,DAM ER

NEED ANALYTICAL REPORT BY
10/17/01
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR033807

CLIENT CODE: 99266 PROJECT MANAGER: Jamie A. McKinney

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H1J020107-011 ELELE-1-AU	9/29/01	Corrosivity (9045) (CORROS) METHOD: 9045A
H1J020107-011 ELELE-1-AV	9/29/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010

NEED DETECTION LIMIT AND ANALYSIS DATE INCLUDED IN REPORT.

SHIPPING METHOD: AIRBORNE DATE: 10/02/01

SEND REPORT TO: JAMIE MCKINNEY

SAMPLE RECEIVED BY: _____ DATE: _____

PLEASE SEND A SIGNED COPY OF THIS FORM WITH REPORT AT COMPLETION OF ANALYSIS.

THANK YOU.

STL Knoxville
INT: _____ 10/02/01 7:59:08
STL N Canton
4101 Shuffel Drive NW
North Canton OH 44720,DAM ER

RELINQUISHED BY: Matthew F. Howard DATE/TIME: 10-02-01, 1350

RELINQUISHED BY: _____ DATE/TIME: _____

RECEIVED FOR LAB BY: _____ DATE/TIME: _____

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION

HIJ020107

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PHOW100101STL-N

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Keesler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/01/01
Laboratory Destination: STL - North Canton
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 2374034714

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD3012	Water	9/28/01 09:20	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: Flammable: Poison B: Unknown:

Sample Disposal:
Return to Client: Disposal by Lab: Archive:

Turnaround Time:
Normal: Rush:

Level of QC Required:
I II III

Project Specific:

1. Relinquished by: Date: 10-01-01 Time: 17:45
2. Relinquished by: Date: Time:
3. Relinquished by: Date: Time:

1. Received by: Date: 10-2-01 Time: 0945
2. Received by: Date: Time:
2. Received by: Date: Time:

Comments: Please disregard laboratory reference on bottle labels.

H1J02010?

STL Cooler Receipt Form/Narrative
North Canton Facility

Client: IT corp Project: Quote#:
Cooler Received on: 10-2-01 Opened on: 10-2-01 by: (Signature)

Fedx ☒ Client Drop Off ☐ UPS ☐ Airborne ☐
Other:

Cooler ☐ Safe ☐ Foam Box ☐ Client Cooler ☒ Other:
STL Shipper No#:

1. Were custody seals on the outside of the cooler and intact? Yes ☒ No ☐
   If YES, Quantity 2 Location outside
   Were the custody seals signed and dated? Yes ☒ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☒ No ☐
3. Were custody papers included inside the cooler and relinquished? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used:
   Peanuts ☐ Bubble Wrap ☐ Vermiculite ☒ Foam ☐ None ☐ Other:
6. Cooler temperature upon receipt 2.2 °C (see back of form for multiple coolers/temp)
   METHOD: Temperature Vial ☒ Between Coolant & Sample Container ☐ Against Bottles ☐
   COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Were all the bottles sealed in separate plastic bags? Yes ☐ No ☒
8. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
9. Did all bottle labels and tags agree with the custody papers? Yes ☒ No ☐
10. Were samples at the correct pH? Yes ☒ No ☐ NA ☐
11. Were correct bottles used for the tests indicated? Yes ☒ No ☐
12. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒
13. Was a sufficient amount of sample sent in each bottle? Yes ☒ No ☐

Contacted PM Date: by: via Voice Mail ☐ Verbal ☐ Other ☐
Concerning:

√	MACRO	MACRO
	1. CHAIN OF CUSTODY	
	SR1A	Samples were received under proper custody procedures and without discrepancies.
	SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred
	2. SAMPLE CONDITION	
	SR2A	Sample(s) were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) were received with insufficient volume
	SR2C	Sample(s) were received in a broken container.
	3. SAMPLE PRESERVATION	
	SR3A	Sample(s) were further preserved in sample receiving to meet recommended pH level(s).
	SR3B	Sample(s) were received with bubble > 6 mm in diameter (cc: PM)
	4. NCM	
	SR4A	NCM has been generated. Refer to Clouseau for details
	5. Other Anomalies (see below or back)	
√	(VO3, TURBIDITY RELEASED out of Hold time.	

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
BD3012	<2	10-2-01	SE

Cooler	Temp	Method	Comments

Discrepancies Cont.

Macro Name:

Macro Name:

Macro Name:

Macro Name:

Other Anomalies:

SEVERN TRENT SERVICES

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921-5947

Tel: 865-291-3000
Fax: 865-584-4315
www.stl-inc.com

ANALYTICAL REPORT

PBOW

Lot #: H1J030106

Maureen McMyler

IT Corporation - Knoxville
312 Directors Drive
Knoxville, TN 37923

SEVERN TRENT LABORATORIES, INC.

Jamie A. McKinney
Project Manager

November 7, 2001

H1J030106 Sample Data Summary **1**

Sample Receipt Documentation **128**

Volatiles **137**
Raw Sample Data 138
Standards Data 247
Raw QC Data 374
Miscellaneous Data 443

Semi-Volatiles **456**
Raw Sample Data 457
Standards Data 484
Raw QC Data 571
Miscellaneous Data 600

Explosives **607**
Raw Sample Data 608
Standards Data 638
Raw QC Data 768
Miscellaneous Data 783

SPLP Explosives **791**
Raw Sample Data 792
Standards Data 815
Raw QC Data 866
Miscellaneous Data 874

Metals **878**
Sample Results 879
QC Summary 898
Quality Control Results SuperTrace ICP 926
Quality Control Results Mercury 978
Raw Data SuperTrace ICP 1002
Raw Data Mercury 1253
Miscellaneous Data 1282

Wet Chemistry **1310**
Sample Summary 1311
QC Summary 1313
Raw Data 1319

Miscellaneous Data 1547

Sample Receipt Documentation 1552

Total Number of Pages 1560

SAMPLE SUMMARY

H1J030106

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ELGFT	001	BD0017R	10/02/01	09:45
ELGGG	002	BD0018R	10/02/01	10:25
ELGGH	003	BD0019R	10/02/01	10:25
ELGGJ	004	BD0021R	10/02/01	11:15
ELGGK	005	BD0022R	10/02/01	11:20
ELGGM	006	BD0029R	10/02/01	08:37
ELGGN	007	BD0030R	10/02/01	08:50
ELGGQ	008	BD3024	10/02/01	14:35
ELGGX	009	BD3024	10/02/01	14:35
ELGG0	010	TB100201A	10/02/01	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.

ANALYTICAL METHODS SUMMARY

H1J030106

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A
Nitrate	MCAWW 353.2
Nitroaromatics and Nitramines by HPLC	SW846 8330
Non-Filterable Residue (TSS)	MCAWW 160.2
Percent Moisture	MCAWW 160.3 MOD
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Sulfate	MCAWW 375.4
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	SW846 9060
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Turbidity (Nephelometric)	MCAWW 180.1
Volatile Organics by GC/MS	SW846 8260B

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
H1J030106

The results reported herein are applicable to the samples submitted for analysis only.

The original chain of custody documentation is included with this report.

Sample Receipt

The cyanide portion of sample BD3024 was received at a pH of 7. The sample was preserved by laboratory personnel.

One of three volatile containers of sample BD3024 was received with headspace.

Subcontract

The following analyses were performed by STL North Canton Laboratory, 4101 Shuffel Drive, NW, North Canton, OH 44720: Hardness (MCAAW 130.2), Total Dissolved Solids (MCAAW 160.1), Total Suspended Solids (MCAAW 160.2), Turbidity (MCAAW 180.1), Alkalinity (MCAAW 310.1), Chloride (MCAAW 325.2), Nitrate (MCAAW 353.2), Sulfate (MCAAW 375.4), and Total Organic Carbon (SW846 9060).

Quality Control

Unless otherwise noted, all holding times and QC criteria were met. The test results shown in this report meet all applicable NELAC requirements. Any exceptions are noted below.

Volatiles

Sample BD3024 was reported with elevated reporting limits for all analytes due to the presence of non-target compounds. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

Explosives

Due to sample matrix interferences, estimated results below the reporting limit were not reported for some analytes. The result was qualified with an "I" flag to indicate the presence of matrix interferences.

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STL Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ, California DHS ELAP Cert. #2423, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906 (SDWA, 5/14/01-6/21/02), Hawaii DOH, Indiana DOH Cert. #C-TN-02, Kentucky DEP Lab ID #90101, Louisiana DEQ Agency Interest #83979, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #81001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, 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, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, US Army Corps of Engineers, Naval Facilities Engineering Service Center, US EPA Perchlorate Approval and USDA Soil Permit #S-46424. 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
H1J030106

SPLP Explosives

Due to the difficult sample matrix and the high levels of target analytes in some of the samples, all of the samples for SPLP explosives were extracted using a high level preparation. The high level preparation uses 5 ml of sample instead of 500 ml, and the sample is concentrated to a 10 ml final volume instead of 5 ml. The high level prep provides a two hundred fold dilution. The dilution that appears on the sample data report will contain the two hundred fold dilution multiplied by any further dilutions that were performed on the sample.

Due to sample matrix interferences, estimated results below the reporting limit were not reported for some analytes. The result was qualified with an "I" flag to indicate the presence of matrix interferences.

Metals

The serial dilution of sample BD0029R was outside control limits due to physical or chemical matrix interferences.

A batch matrix spike/matrix spike duplicate was analyzed using a sample from this lot. The recoveries and/or RPDs were outside control limits for antimony, calcium, nickel and thallium. However, the laboratory control sample showed acceptable results indicating that the analysis was in control. The matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects.

The serial dilution of batch QC samples, lab ID # ELKAL and ELDJ2 were outside control limits for potassium due to physical or chemical matrix interferences.

Cyanide

The standards and sample BD3024 were treated with bismuth nitrate to remove sulfide prior to distillation.

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STL Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ, California DHS ELAP Cert. #2423, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906 (SDWA, 5/14/01-6/21/02), Hawaii DOH, Indiana DOH Cert. #C-TN-02, Kentucky DEP Lab ID #90101, Louisiana DEQ Agency Interest #83979, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #81001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, 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, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, US Army Corps of Engineers, Naval Facilities Engineering Service Center, US EPA Perchlorate Approval and USDA Soil Permit #S-46424. 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
H1J030106

Nitrate

A CCV and the LCS were outside the control limits. Since the recoveries were high and the ion was not detected in the sample, the data should not be affected.

Total Organic Carbon

One of the CCBs was above the reporting limit. However, the next two CCBs were below the reporting limit, and all other QC was within range.

Due to due a laboratory error, sample BD3024 was analyzed outside of the holding time.

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Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0017R

GC/MS Volatiles

Lot-Sample #...: H1J030106-001 **Work Order #...:** ELGFT1AF **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1
% Moisture.....: 4.7 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	10	ug/kg
Bromomethane	ND	10	ug/kg
Vinyl chloride	ND	5.2	ug/kg
Chloroethane	ND	10	ug/kg
Methylene chloride	**3.1 J,B**	**5.2**	**ug/kg**
Acetone	**270**	**21**	**ug/kg**
Carbon disulfide	ND	5.2	ug/kg
1,1-Dichloroethene	ND	5.2	ug/kg
1,1-Dichloroethane	ND	5.2	ug/kg
1,2-Dichloroethene (total)	ND	5.2	ug/kg
Chloroform	ND	5.2	ug/kg
1,2-Dichloroethane	ND	5.2	ug/kg
2-Butanone	ND	21	ug/kg
1,1,1-Trichloroethane	ND	5.2	ug/kg
Carbon tetrachloride	ND	5.2	ug/kg
Bromodichloromethane	ND	5.2	ug/kg
1,2-Dichloropropane	ND	5.2	ug/kg
cis-1,3-Dichloropropene	ND	5.2	ug/kg
Trichloroethene	ND	5.2	ug/kg
Dibromochloromethane	ND	5.2	ug/kg
1,1,2-Trichloroethane	ND	5.2	ug/kg
Benzene	ND	5.2	ug/kg
trans-1,3-Dichloropropene	ND	5.2	ug/kg
Bromoform	ND	5.2	ug/kg
4-Methyl-2-pentanone	ND	21	ug/kg
2-Hexanone	ND	21	ug/kg
Tetrachloroethene	ND	5.2	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.2	ug/kg
Toluene	ND	5.2	ug/kg
Chlorobenzene	ND	5.2	ug/kg
Ethylbenzene	ND	5.2	ug/kg
Styrene	ND	5.2	ug/kg
Xylenes (total)	ND	5.2	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(76 - 125)
1,2-Dichloroethane-d4	92	(74 - 122)
Toluene-d8	98	(80 - 122)
Bromofluorobenzene	88	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0017R

GC/MS Volatiles

Lot-Sample #...: H1J030106-001 Work Order #...: ELGFT1AF 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: BD0018R

GC/MS Volatiles

Lot-Sample #...: H1J030106-002 **Work Order #...:** ELGGG1AP **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1
% Moisture.....: 13 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	5.8	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.4 J,B**	**5.8**	**ug/kg**
Acetone	**17 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
Dibromofluoromethane	91	(76 - 125)
1,2-Dichloroethane-d4	90	(74 - 122)
Toluene-d8	104	(80 - 122)
Bromofluorobenzene	99	(68 - 141)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0018R

GC/MS Volatiles

Lot-Sample #...: H1J030106-002 Work Order #...: ELGGG1AP 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: BD0019R

GC/MS Volatiles

Lot-Sample #...: H1J030106-003 **Work Order #...:** ELGGH1AP **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	5.8	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.7 J,B**	**5.8**	**ug/kg**
Acetone	**8.6 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	**0.78 J**	**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
Dibromofluoromethane	91	(76 - 125)
1,2-Dichloroethane-d4	91	(74 - 122)
Toluene-d8	104	(80 - 122)
Bromofluorobenzene	105	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0019R

GC/MS Volatiles

Lot-Sample #...: H1J030106-003 Work Order #...: ELGGH1AP 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: BD0021R

GC/MS Volatiles

Lot-Sample #...: H1J030106-004 **Work Order #...:** ELGGJ1AP **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1
% Moisture.....: 8.2 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	5.4	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**4.4 J,B**	**5.4**	**ug/kg**
Acetone	**23**	**22**	**ug/kg**
Carbon disulfide	ND	5.4	ug/kg
1,1-Dichloroethene	ND	5.4	ug/kg
1,1-Dichloroethane	ND	5.4	ug/kg
1,2-Dichloroethene (total)	ND	5.4	ug/kg
Chloroform	ND	5.4	ug/kg
1,2-Dichloroethane	ND	5.4	ug/kg
2-Butanone	ND	22	ug/kg
1,1,1-Trichloroethane	ND	5.4	ug/kg
Carbon tetrachloride	ND	5.4	ug/kg
Bromodichloromethane	ND	5.4	ug/kg
1,2-Dichloropropane	ND	5.4	ug/kg
cis-1,3-Dichloropropene	ND	5.4	ug/kg
Trichloroethene	ND	5.4	ug/kg
Dibromochloromethane	ND	5.4	ug/kg
1,1,2-Trichloroethane	ND	5.4	ug/kg
Benzene	ND	5.4	ug/kg
trans-1,3-Dichloropropene	ND	5.4	ug/kg
Bromoform	ND	5.4	ug/kg
4-Methyl-2-pentanone	ND	22	ug/kg
2-Hexanone	ND	22	ug/kg
Tetrachloroethene	ND	5.4	ug/kg
1,1,2,2-Tetrachloroethane	ND	5.4	ug/kg
Toluene	ND	5.4	ug/kg
Chlorobenzene	ND	5.4	ug/kg
Ethylbenzene	ND	5.4	ug/kg
Styrene	ND	5.4	ug/kg
Xylenes (total)	ND	5.4	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(76 - 125)
1,2-Dichloroethane-d4	90	(74 - 122)
Toluene-d8	98	(80 - 122)
Bromofluorobenzene	90	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0021R

GC/MS Volatiles

Lot-Sample #...: H1J030106-004 Work Order #...: ELGGJ1AP 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: BD0022R

GC/MS Volatiles

Lot-Sample #...: H1J030106-005 Work Order #...: ELGGK1AP Matrix.....: SOLID
Date Sampled...: 10/02/01 Date Received..: 10/03/01
Prep Date.....: 10/03/01 Analysis Date..: 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1
% Moisture.....: 13 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	11	ug/kg
Bromomethane	ND	11	ug/kg
Vinyl chloride	ND	5.7	ug/kg
Chloroethane	ND	11	ug/kg
Methylene chloride	**2.9 J,B**	**5.7**	**ug/kg**
Acetone	**30**	**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	**0.80 J**	**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
Dibromofluoromethane	92	(76 - 125)
1,2-Dichloroethane-d4	92	(74 - 122)
Toluene-d8	99	(80 - 122)
Bromofluorobenzene	89	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0022R

GC/MS Volatiles

Lot-Sample #...: H1J030106-005 Work Order #...: ELGGK1AP 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: BD0029R

GC/MS Volatiles

Lot-Sample #...: H1J030106-006 **Work Order #...:** ELGGM1AP **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	12	ug/kg
Bromomethane	ND	12	ug/kg
Vinyl chloride	ND	5.8	ug/kg
Chloroethane	ND	12	ug/kg
Methylene chloride	**3.4 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
Dibromofluoromethane	93	(76 - 125)
1,2-Dichloroethane-d4	95	(74 - 122)
Toluene-d8	96	(80 - 122)
Bromofluorobenzene	88	(68 - 141)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0029R

GC/MS Volatiles

Lot-Sample #...: H1J030106-006 Work Order #...: ELGGM1AP 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: BD0030R

GC/MS Volatiles

Lot-Sample #...: H1J030106-007 **Work Order #...:** ELGGN1AP **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1
% Moisture.....: 26 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	14	ug/kg
Bromomethane	ND	14	ug/kg
Vinyl chloride	ND	6.8	ug/kg
Chloroethane	ND	14	ug/kg
Methylene chloride	**5.2 J,B**	**6.8**	**ug/kg**
Acetone	**180**	**27**	**ug/kg**
Carbon disulfide	ND	6.8	ug/kg
1,1-Dichloroethene	ND	6.8	ug/kg
1,1-Dichloroethane	ND	6.8	ug/kg
1,2-Dichloroethene (total)	ND	6.8	ug/kg
Chloroform	ND	6.8	ug/kg
1,2-Dichloroethane	ND	6.8	ug/kg
2-Butanone	ND	27	ug/kg
1,1,1-Trichloroethane	ND	6.8	ug/kg
Carbon tetrachloride	ND	6.8	ug/kg
Bromodichloromethane	ND	6.8	ug/kg
1,2-Dichloropropane	ND	6.8	ug/kg
cis-1,3-Dichloropropene	ND	6.8	ug/kg
Trichloroethene	ND	6.8	ug/kg
Dibromochloromethane	ND	6.8	ug/kg
1,1,2-Trichloroethane	ND	6.8	ug/kg
Benzene	ND	6.8	ug/kg
trans-1,3-Dichloropropene	ND	6.8	ug/kg
Bromoform	ND	6.8	ug/kg
4-Methyl-2-pentanone	ND	27	ug/kg
2-Hexanone	ND	27	ug/kg
Tetrachloroethene	ND	6.8	ug/kg
1,1,2,2-Tetrachloroethane	ND	6.8	ug/kg
Toluene	ND	6.8	ug/kg
Chlorobenzene	ND	6.8	ug/kg
Ethylbenzene	ND	6.8	ug/kg
Styrene	ND	6.8	ug/kg
Xylenes (total)	ND	6.8	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(76 - 125)
1,2-Dichloroethane-d4	91	(74 - 122)
Toluene-d8	104	(80 - 122)
Bromofluorobenzene	106	(68 - 141)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0030R

GC/MS Volatiles

Lot-Sample #...: H1J030106-007 Work Order #...: ELGGN1AP 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: BD3024

GC/MS Volatiles

Lot-Sample #...: H1J030106-008 Work Order #...: ELGGQ1A4 Matrix.....: WATER
Date Sampled...: 10/02/01 Date Received..: 10/03/01
Prep Date.....: 10/05/01 Analysis Date..: 10/05/01
Prep Batch #...: 1278157
Dilution Factor: 100 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	**35 J**	**200**	**ug/L**
Bromomethane	ND	200	ug/L
Vinyl chloride	ND	100	ug/L
Chloroethane	ND	200	ug/L
Methylene chloride	**47 J,B**	**200**	**ug/L**
Acetone	**88 J**	**1000**	**ug/L**
Carbon disulfide	ND	100	ug/L
1,1-Dichloroethene	ND	100	ug/L
1,1-Dichloroethane	ND	100	ug/L
1,2-Dichloroethene (total)	ND	100	ug/L
Chloroform	ND	100	ug/L
1,2-Dichloroethane	ND	100	ug/L
2-Butanone	ND	500	ug/L
1,1,1-Trichloroethane	ND	100	ug/L
Carbon tetrachloride	ND	100	ug/L
Bromodichloromethane	ND	100	ug/L
1,2-Dichloropropane	ND	100	ug/L
cis-1,3-Dichloropropene	ND	100	ug/L
Trichloroethene	ND	100	ug/L
Dibromochloromethane	ND	100	ug/L
1,1,2-Trichloroethane	ND	100	ug/L
Benzene	ND	100	ug/L
trans-1,3-Dichloropropene	ND	100	ug/L
Bromoform	ND	100	ug/L
4-Methyl-2-pentanone	ND	500	ug/L
2-Hexanone	ND	500	ug/L
Tetrachloroethene	ND	100	ug/L
1,1,2,2-Tetrachloroethane	ND	100	ug/L
Toluene	ND	100	ug/L
Chlorobenzene	ND	100	ug/L
Ethylbenzene	**32 J**	**100**	**ug/L**
Styrene	ND	100	ug/L
Xylenes (total)	**150**	**100**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(80 - 120)
1,2-Dichloroethane-d4	93	(80 - 120)
Toluene-d8	98	(80 - 120)
Bromofluorobenzene	95	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3024

GC/MS Volatiles

Lot-Sample #...: H1J030106-008 Work Order #...: ELGGQ1A4 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: TB100201A

GC/MS Volatiles

Lot-Sample #...: H1J030106-010 Work Order #...: ELGG02AA Matrix.....: WATER
Date Sampled...: 10/02/01 Date Received..: 10/03/01
Prep Date.....: 10/08/01 Analysis Date..: 10/08/01
Prep Batch #...: 1281191
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.92 J,B**	**2.0**	**ug/L**
Acetone	**1.8 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(80 - 120)
1,2-Dichloroethane-d4	86	(80 - 120)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	94	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: TB100201A

GC/MS Volatiles

Lot-Sample #...: H1J030106-010 Work Order #...: ELGG02AA 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 #...: H1J030106 **Work Order #...:** ELGTF1AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J030000-259

Prep Date.....: 10/03/01
Analysis Date..: 10/03/01 **Prep Batch #...:** 1276259
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	10	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Methylene chloride	**3.2 J**	**5.0**	**ug/kg**	**SW846 8260B**
Acetone	ND	20	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethene (total)	ND	5.0	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
2-Butanone	ND	20	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260B
2-Hexanone	ND	20	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B
Xylenes (total)	ND	5.0	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(76 - 125)
1,2-Dichloroethane-d4	89	(74 - 122)
Toluene-d8	97	(80 - 122)
Bromofluorobenzene	87	(68 - 141)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J030106 **Work Order #...:** ELGTF1AA **Matrix.....:** SOLID

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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J030106 **Work Order #...:** ELGTF1AC **Matrix.....:** SOLID
LCS Lot-Sample#: H1J030000-259
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**50.0**	**49.8**	**ug/kg**	**100**	**SW846 8260B**
Trichloroethene	**50.0**	**49.9**	**ug/kg**	**100**	**SW846 8260B**
Benzene	**50.0**	**50.6**	**ug/kg**	**101**	**SW846 8260B**
Toluene	**50.0**	**52.0**	**ug/kg**	**104**	**SW846 8260B**
Chlorobenzene	**50.0**	**52.5**	**ug/kg**	**105**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 125)
1,2-Dichloroethane-d4	90	(74 - 122)
Toluene-d8	97	(80 - 122)
Bromofluorobenzene	87	(68 - 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 Volatiles

Client Lot #...: H1J030106 **Work Order #...:** ELGTF1AC **Matrix.....:** SOLID
LCS Lot-Sample#: H1J030000-259
Prep Date.....: 10/03/01 **Analysis Date..:** 10/03/01
Prep Batch #...: 1276259
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**100**	**(75 - 128)**	**SW846 8260B**
Trichloroethene	**100**	**(80 - 120)**	**SW846 8260B**
Benzene	**101**	**(80 - 120)**	**SW846 8260B**
Toluene	**104**	**(80 - 120)**	**SW846 8260B**
Chlorobenzene	**105**	**(80 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 125)
1,2-Dichloroethane-d4	90	(74 - 122)
Toluene-d8	97	(80 - 122)
Bromofluorobenzene	87	(68 - 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 Volatiles

Client Lot #...: H1J030106 **Work Order #...:** ELL051AA **Matrix.....:** WATER
MB Lot-Sample #: H1J050000-157

Prep Date.....: 10/05/01
Analysis Date..: 10/05/01 **Prep Batch #...:** 1278157
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	91	(80 - 120)
Toluene-d8	100	(80 - 120)
Bromofluorobenzene	95	(72 - 135)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J030106 **Work Order #...:** ELL051AA **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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J030106 **Work Order #...:** ELL051AC **Matrix.....:** WATER
LCS Lot-Sample#: H1J050000-157
Prep Date.....: 10/05/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1278157
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**10.1**	**ug/L**	**101**	**SW846 8260B**
Trichloroethene	**10.0**	**10.6**	**ug/L**	**106**	**SW846 8260B**
Benzene	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**
Toluene	**10.0**	**11.1**	**ug/L**	**111**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	89	(80 - 120)
Toluene-d8	102	(80 - 120)
Bromofluorobenzene	94	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J030106 **Work Order #...:** ELL051AC **Matrix.....:** WATER
LCS Lot-Sample#: H1J050000-157
Prep Date.....: 10/05/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1278157
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**101**	**(69 - 120)**	**SW846 8260B**
Trichloroethene	**106**	**(76 - 120)**	**SW846 8260B**
Benzene	**105**	**(76 - 120)**	**SW846 8260B**
Toluene	**111**	**(77 - 120)**	**SW846 8260B**
Chlorobenzene	**105**	**(75 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	89	(80 - 120)
Toluene-d8	102	(80 - 120)
Bromofluorobenzene	94	(72 - 135)

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 #...: H1J030106 **Work Order #...:** ELQFK1AA **Matrix.....:** WATER
MB Lot-Sample #: H1J080000-191

Prep Date.....: 10/08/01
Analysis Date..: 10/08/01 **Prep Batch #...:** 1281191
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.18 J**	**2.0**	**ug/L**	**SW846 8260B**
Acetone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	86	(80 - 120)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	92	(72 - 135)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J030106 Work Order #...: ELQFK1AA 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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J030106 **Work Order #...:** ELQFK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J080000-191 ELQFK1AD-LCSD
Prep Date.....: 10/08/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1281191
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**10.0**	**10.6**	**ug/L**	**106**		**SW846 8260B**
	10.0	**10.1**	**ug/L**	**101**	**4.8**	**SW846 8260B**
Trichloroethene	**10.0**	**10.5**	**ug/L**	**105**		**SW846 8260B**
	10.0	**10.9**	**ug/L**	**109**	**4.3**	**SW846 8260B**
Benzene	**10.0**	**10.4**	**ug/L**	**104**		**SW846 8260B**
	10.0	**10.6**	**ug/L**	**106**	**1.0**	**SW846 8260B**
Toluene	**10.0**	**11.0**	**ug/L**	**110**		**SW846 8260B**
	10.0	**11.0**	**ug/L**	**110**	**0.25**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.7**	**ug/L**	**107**		**SW846 8260B**
	10.0	**10.6**	**ug/L**	**106**	**0.60**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
	97	(80 - 120)
1,2-Dichloroethane-d4	87	(80 - 120)
	87	(80 - 120)
Toluene-d8	101	(80 - 120)
	100	(80 - 120)
Bromofluorobenzene	91	(72 - 135)
	90	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J030106 **Work Order #...:** ELQFK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J080000-191 ELQFK1AD-LCSD
Prep Date.....: 10/08/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1281191
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**106**	**(69 - 120)**			**SW846 8260B**
	101	**(69 - 120)**	**4.8**	**(0-26)**	**SW846 8260B**
Trichloroethene	**105**	**(76 - 120)**			**SW846 8260B**
	109	**(76 - 120)**	**4.3**	**(0-17)**	**SW846 8260B**
Benzene	**104**	**(76 - 120)**			**SW846 8260B**
	106	**(76 - 120)**	**1.0**	**(0-19)**	**SW846 8260B**
Toluene	**110**	**(77 - 120)**			**SW846 8260B**
	110	**(77 - 120)**	**0.25**	**(0-17)**	**SW846 8260B**
Chlorobenzene	**107**	**(75 - 120)**			**SW846 8260B**
	106	**(75 - 120)**	**0.60**	**(0-17)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
	97	(80 - 120)
1,2-Dichloroethane-d4	87	(80 - 120)
	87	(80 - 120)
Toluene-d8	101	(80 - 120)
	100	(80 - 120)
Bromofluorobenzene	91	(72 - 135)
	90	(72 - 135)

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: BD3024

GC/MS Semivolatiles

Lot-Sample #...: H1J030106-008 Work Order #...: ELGGQ1A5 Matrix.....: WATER
Date Sampled...: 10/02/01 Date Received..: 10/03/01
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**3.5 J**	**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	**2.6 J**	**10**	**ug/L**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	**1.2 J**	**10**	**ug/L**
N-Nitrosodi-n-propyl-amine	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	**7.2 J**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
Naphthalene	**3.1 J**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**1.6 J**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3024

GC/MS Semivolatiles

Lot-Sample #...: H1J030106-008 Work Order #...: ELGGQ1A5 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	97	(29 - 110)
Phenol-d5	89	(41 - 115)
Nitrobenzene-d5	82	(46 - 117)
2-Fluorobiphenyl	80	(44 - 116)
2,4,6-Tribromophenol	100	(31 - 138)
Terphenyl-d14	87	(36 - 134)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3024

GC/MS Semivolatiles

Lot-Sample #...: H1J030106-008 Work Order #...: ELGGQ1A5 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J030106 Work Order #...: ELP7L1AA Matrix.....: WATER
MB Lot-Sample #: H1J070000-093

Prep Date.....: 10/07/01
Analysis Date..: 10/18/01 Prep Batch #...: 1280093
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J030106 Work Order #...: ELP7L1AA Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	81	(29 - 110)
Phenol-d5	91	(41 - 115)
Nitrobenzene-d5	91	(46 - 117)
2-Fluorobiphenyl	89	(44 - 116)
2,4,6-Tribromophenol	88	(31 - 138)
Terphenyl-d14	100	(36 - 134)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J030106 Work Order #...: ELP7L1AA Matrix.....: WATER

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J030106 Work Order #...: ELP7L1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J070000-093 ELP7L1AD-LCSD
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Phenol	100	86.1	ug/L	86		SW846 8270C
	100	85.4	ug/L	85	0.81	SW846 8270C
2-Chlorophenol	100	88.8	ug/L	89		SW846 8270C
	100	86.9	ug/L	87	2.2	SW846 8270C
1,4-Dichlorobenzene	100	86.7	ug/L	87		SW846 8270C
	100	85.1	ug/L	85	1.9	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	85.6	ug/L	86		SW846 8270C
	100	85.7	ug/L	86	0.11	SW846 8270C
1,2,4-Trichloro-benzene	100	86.7	ug/L	87		SW846 8270C
	100	85.0	ug/L	85	2.0	SW846 8270C
4-Chloro-3-methylphenol	100	92.9	ug/L	93		SW846 8270C
	100	92.5	ug/L	92	0.43	SW846 8270C
Acenaphthene	100	77.0	ug/L	77		SW846 8270C
	100	75.9	ug/L	76	1.4	SW846 8270C
4-Nitrophenol	100	96.4	ug/L	96		SW846 8270C
	100	102	ug/L	102	5.6	SW846 8270C
2,4-Dinitrotoluene	100	105	ug/L	105		SW846 8270C
	100	109	ug/L	109	3.7	SW846 8270C
Pentachlorophenol	100	93.8	ug/L	94		SW846 8270C
	100	89.9	ug/L	90	4.2	SW846 8270C
Pyrene	100	78.2	ug/L	78		SW846 8270C
	100	78.8	ug/L	79	0.76	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	88	(29 - 110)
	80	(29 - 110)
Phenol-d5	93	(41 - 115)
	91	(41 - 115)
Nitrobenzene-d5	94	(46 - 117)
	94	(46 - 117)
2-Fluorobiphenyl	92	(44 - 116)
	89	(44 - 116)
2,4,6-Tribromophenol	101	(31 - 138)
	97	(31 - 138)
Terphenyl-d14	97	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J030106 **Work Order #...:** ELP7L1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J070000-093 ELP7L1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	95	(36 - 134)

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 #...: H1J030106 Work Order #...: ELP7L1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J070000-093 ELP7L1AD-LCSD
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	86	(61 - 111)			SW846 8270C
	85	(61 - 111)	0.81	(0-39)	SW846 8270C
2-Chlorophenol	89	(61 - 110)			SW846 8270C
	87	(61 - 110)	2.2	(0-41)	SW846 8270C
1,4-Dichlorobenzene	87	(49 - 110)			SW846 8270C
	85	(49 - 110)	1.9	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	86	(62 - 117)			SW846 8270C
	86	(62 - 117)	0.11	(0-31)	SW846 8270C
1,2,4-Trichloro-benzene	87	(64 - 109)			SW846 8270C
	85	(64 - 109)	2.0	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	93	(70 - 109)			SW846 8270C
	92	(70 - 109)	0.43	(0-28)	SW846 8270C
Acenaphthene	77	(69 - 107)			SW846 8270C
	76	(69 - 107)	1.4	(0-29)	SW846 8270C
4-Nitrophenol	96	(59 - 120)			SW846 8270C
	102	(59 - 120)	5.6	(0-30)	SW846 8270C
2,4-Dinitrotoluene	105	(77 - 118)			SW846 8270C
	109	(77 - 118)	3.7	(0-29)	SW846 8270C
Pentachlorophenol	94	(38 - 124)			SW846 8270C
	90	(38 - 124)	4.2	(0-41)	SW846 8270C
Pyrene	78	(75 - 125)			SW846 8270C
	79	(75 - 125)	0.76	(0-26)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	88	(29 - 110)
	80	(29 - 110)
Phenol-d5	93	(41 - 115)
	91	(41 - 115)
Nitrobenzene-d5	94	(46 - 117)
	94	(46 - 117)
2-Fluorobiphenyl	92	(44 - 116)
	89	(44 - 116)
2,4,6-Tribromophenol	101	(31 - 138)
	97	(31 - 138)
Terphenyl-d14	97	(36 - 134)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J030106 **Work Order #...:** ELP7L1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J070000-093 ELP7L1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	95	(36 - 134)

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: BD0017R

HPLC

Lot-Sample #...: H1J030106-001 **Work Order #...:** ELGFT1AG **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 4.7 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg
4-Amino-2,6-dinitrotoluene	**0.12 J**	**0.25**	**mg/kg**
2-Amino-4,6-dinitrotoluene	**0.11 J**	**0.25**	**mg/kg**
2,6-Dinitrotoluene	**0.098 J**	**0.25**	**mg/kg**
2,4-Dinitrotoluene	**0.23 J**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	81	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0018R

HPLC

Lot-Sample #...: H1J030106-002 **Work Order #...:** ELGGG1AQ **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 13 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
2-Amino-4,6-dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2-Nitrotoluene	**0.59**	**0.25**	**mg/kg**
4-Nitrotoluene	**0.33**	**0.25**	**mg/kg**
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	83	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0019R

HPLC

Lot-Sample #...: H1J030106-003 **Work Order #...:** ELGGH1AQ **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
2-Amino-4,6-dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2-Nitrotoluene	**0.39**	**0.25**	**mg/kg**
4-Nitrotoluene	**0.28**	**0.25**	**mg/kg**
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	87	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0021R

HPLC

Lot-Sample #...: H1J030106-004 **Work Order #...:** ELGGJ1AQ **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 8.2 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	**0.30**	**0.25**	**mg/kg**
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	**6.5**	**0.25**	**mg/kg**
4-Amino-2,6-dinitrotoluene	**3.7**	**0.25**	**mg/kg**
2-Amino-4,6-dinitrotoluene	**2.5**	**0.25**	**mg/kg**
2,6-Dinitrotoluene	**2.4**	**0.25**	**mg/kg**
2,4-Dinitrotoluene	**0.67**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	120	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0022R

HPLC

Lot-Sample #...: H1J030106-005 **Work Order #...:** ELGGK1AQ **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/09/01
Prep Batch #...: 1280101
Dilution Factor: 5
% Moisture.....: 13 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	2.5	mg/kg
RDX	ND	2.5	mg/kg
1,3,5-Trinitrobenzene	**0.50 J**	**1.2**	**mg/kg**
1,3-Dinitrobenzene	ND	1.2	mg/kg
Tetryl	ND	3.2	mg/kg
Nitrobenzene	ND	1.2	mg/kg
2,4,6-Trinitrotoluene	**4.0**	**1.2**	**mg/kg**
4-Amino-2,6-dinitrotoluene	ND I	1.2	mg/kg
2-Amino-4,6-dinitrotoluene	ND I	1.2	mg/kg
2,6-Dinitrotoluene	**18**	**1.2**	**mg/kg**
2,4-Dinitrotoluene	**33**	**1.2**	**mg/kg**
2-Nitrotoluene	**4.0**	**1.2**	**mg/kg**
4-Nitrotoluene	**2.4**	**1.2**	**mg/kg**
3-Nitrotoluene	**0.80 J**	**1.2**	**mg/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	84	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0029R

HPLC

Lot-Sample #...: H1J030106-006 **Work Order #...:** ELGGM1AQ **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 14 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
2-Amino-4,6-dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
2,4-Dinitrotoluene	**0.052 J**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	84	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0030R

HPLC

Lot-Sample #...: H1J030106-007 **Work Order #...:** ELGGN1AQ **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 26 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	**1.6**	**0.25**	**mg/kg**
1,3-Dinitrobenzene	**0.033 J**	**0.25**	**mg/kg**
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
2-Amino-4,6-dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
2,4-Dinitrotoluene	ND	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	79	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

TCLP GC/MS Semivolatiles

Client Lot #...: H1J020107 **Work Order #...:** ELJL41AK **Matrix.....:** SOLID
MB Lot-Sample #: H1J040000-167
Leach Date.....: 10/04/01 **Prep Date.....:** 10/08/01 **Analysis Date..:** 10/16/01
Leach Batch #..: P127701 **Prep Batch #...:** 1281292
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
o-Cresol	ND	0.050	mg/L	SW846 8270C
m-Cresol & p-Cresol	ND	0.10	mg/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.050	mg/L	SW846 8270C
2,4-Dinitrotoluene	ND	0.050	mg/L	SW846 8270C
Hexachlorobenzene	ND	0.050	mg/L	SW846 8270C
Hexachlorobutadiene	ND	0.050	mg/L	SW846 8270C
Hexachloroethane	ND	0.050	mg/L	SW846 8270C
Nitrobenzene	ND	0.050	mg/L	SW846 8270C
Pentachlorophenol	ND	0.25	mg/L	SW846 8270C
Pyridine	ND	0.10	mg/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	0.050	mg/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	0.050	mg/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	81	(19 - 100)
Phenol-d5	90	(15 - 124)
Nitrobenzene-d5	92	(35 - 122)
2-Fluorobiphenyl	88	(34 - 115)
2,4,6-Tribromophenol	93	(33 - 130)
Terphenyl-d14	92	(28 - 132)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J020107 Work Order #...: ELQRL1AC Matrix.....: SOLID
LCS Lot-Sample#: H1J080000-292
Prep Date.....: 10/08/01 Analysis Date..: 10/16/01
Prep Batch #...: 1281292
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
o-Cresol	0.500	0.459	mg/L	92	SW846 8270C
m-Cresol & p-Cresol	1.00	0.857	mg/L	86	SW846 8270C
1,4-Dichlorobenzene	0.500	0.462	mg/L	92	SW846 8270C
2,4-Dinitrotoluene	0.500	0.583	mg/L	117	SW846 8270C
Hexachlorobenzene	0.500	0.477	mg/L	95	SW846 8270C
Hexachlorobutadiene	0.500	0.433	mg/L	87	SW846 8270C
Hexachloroethane	0.500	0.483	mg/L	97	SW846 8270C
Nitrobenzene	0.500	0.507	mg/L	101	SW846 8270C
Pentachlorophenol	0.500	0.534	mg/L	107	SW846 8270C
Pyridine	0.500	0.403	mg/L	81	SW846 8270C
2,4,5-Trichloro-phenol	0.500	0.505	mg/L	101	SW846 8270C
2,4,6-Trichloro-phenol	0.500	0.504	mg/L	101	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	86	(19 - 100)
Phenol-d5	97	(15 - 124)
Nitrobenzene-d5	104	(35 - 122)
2-Fluorobiphenyl	100	(34 - 115)
2,4,6-Tribromophenol	110	(33 - 130)
Terphenyl-d14	104	(28 - 132)

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 #...: H1J020107 Work Order #...: ELQRL1AC Matrix.....: SOLID
LCS Lot-Sample#: H1J080000-292
Prep Date.....: 10/08/01 Analysis Date..: 10/16/01
Prep Batch #...: 1281292
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
o-Cresol	92	(34 - 118)	SW846 8270C
m-Cresol & p-Cresol	86	(29 - 134)	SW846 8270C
1,4-Dichlorobenzene	92	(34 - 104)	SW846 8270C
2,4-Dinitrotoluene	117	(47 - 122)	SW846 8270C
Hexachlorobenzene	95	(42 - 139)	SW846 8270C
Hexachlorobutadiene	87	(28 - 105)	SW846 8270C
Hexachloroethane	97	(24 - 103)	SW846 8270C
Nitrobenzene	101	(30 - 135)	SW846 8270C
Pentachlorophenol	107	(29 - 124)	SW846 8270C
Pyridine	81	(10 - 128)	SW846 8270C
2,4,5-Trichloro-phenol	101	(43 - 124)	SW846 8270C
2,4,6-Trichloro-phenol	101	(42 - 114)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	86	(19 - 100)
Phenol-d5	97	(15 - 124)
Nitrobenzene-d5	104	(35 - 122)
2-Fluorobiphenyl	100	(34 - 115)
2,4,6-Tribromophenol	110	(33 - 130)
Terphenyl-d14	104	(28 - 132)

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: BD3012

HPLC

Lot-Sample #...: H1J020107-001 **Work Order #...:** ELEK11A3 **Matrix.....:** WATER
Date Sampled...: 10/01/01 **Date Received..:** 10/02/01
Prep Date.....: 10/02/01 **Analysis Date..:** 10/05/01
Prep Batch #...: 1275198
Dilution Factor: 5 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	2.5	ug/L
RDX	ND	2.5	ug/L
1,3,5-Trinitrobenzene	ND	1.0	ug/L
1,3-Dinitrobenzene	ND	1.0	ug/L
Tetryl	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
2,4,6-Trinitrotoluene	**23**	**1.0**	**ug/L**
4-Amino-2,6-dinitrotoluene	**21**	**1.0**	**ug/L**
2-Amino-4,6-dinitrotoluene	**24**	**1.0**	**ug/L**
2,6-Dinitrotoluene	ND G	10	ug/L
2,4-Dinitrotoluene	**5.6**	**1.0**	**ug/L**
2-Nitrotoluene	ND	1.0	ug/L
4-Nitrotoluene	ND	1.0	ug/L
3-Nitrotoluene	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	76	(53 - 133)

NOTE(S):

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9004

HPLC

Lot-Sample #...: H1J020107-004 **Work Order #...:** ELEK41AC **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 13 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	82	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9005

HPLC

Lot-Sample #...: H1J020107-005 **Work Order #...:** ELEK51AC **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	84	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9006

HPLC

Lot-Sample #...: H1J020107-006 **Work Order #...:** ELEK61AC **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 8.5 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
2-Amino-4,6-dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	**0.10 J**	**0.25**	**mg/kg**
2,4-Dinitrotoluene	**0.069 J**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	85	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9007

HPLC

Lot-Sample #...: H1J020107-007 **Work Order #...:** ELEK71AC **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 20 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	81	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9008

HPLC

Lot-Sample #...: H1J020107-008 **Work Order #...:** ELEK81AC **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 30 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	82	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9009

HPLC

Lot-Sample #...: H1J020107-009 **Work Order #...:** ELEK91AC **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 23 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
2-Amino-4,6-dinitrotoluene	**0.10 J**	**0.25**	**mg/kg**
2,6-Dinitrotoluene	ND I	0.25	mg/kg
2,4-Dinitrotoluene	ND I	0.25	mg/kg
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND I	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	86	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9010

HPLC

Lot-Sample #...: H1J020107-010 **Work Order #...:** ELELC1AC **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 19 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	83	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9011

HPLC

Lot-Sample #...: H1J020107-011 **Work Order #...:** ELELE1AC **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1280101
Dilution Factor: 1
% Moisture.....: 15 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	86	(74 - 121)

METHOD BLANK REPORT

HPLC

Client Lot #...: H1J020107 **Work Order #...:** ELEL11AA **Matrix.....:** WATER
MB Lot-Sample #: H1J020000-198

Prep Date.....: 10/02/01
Analysis Date..: 10/04/01 **Prep Batch #...:** 1275198
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	69	(53 - 133)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J020107 Work Order #...: ELEL11AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J020000-198 ELEL11AD-LCSD
Prep Date.....: 10/02/01 Analysis Date..: 10/04/01
Prep Batch #...: 1275198
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	3.00	3.04	ug/L	101		SW846 8330
	3.00	3.04	ug/L	101	0.010	SW846 8330
RDX	3.00	3.10	ug/L	103		SW846 8330
	3.00	3.12	ug/L	104	0.73	SW846 8330
1,3,5-Trinitrobenzene	3.00	2.92	ug/L	97		SW846 8330
	3.00	2.97	ug/L	99	1.9	SW846 8330
1,3-Dinitrobenzene	3.00	2.76	ug/L	92		SW846 8330
	3.00	2.86	ug/L	95	3.4	SW846 8330
Tetryl	3.00	3.05	ug/L	102		SW846 8330
	3.00	3.09	ug/L	103	1.3	SW846 8330
Nitrobenzene	3.00	2.55	ug/L	85		SW846 8330
	3.00	2.64	ug/L	88	3.4	SW846 8330
2,4,6-Trinitrotoluene	3.00	2.84	ug/L	95		SW846 8330
	3.00	2.91	ug/L	97	2.2	SW846 8330
4-Amino-2,6-dinitrotoluene	3.00	2.75	ug/L	92		SW846 8330
	3.00	2.97	ug/L	99	7.6	SW846 8330
2-Amino-4,6-dinitrotoluene	3.00	2.62	ug/L	87		SW846 8330
	3.00	2.82	ug/L	94	7.1	SW846 8330
2,6-Dinitrotoluene	3.00	2.68	ug/L	89		SW846 8330
	3.00	2.80	ug/L	93	4.2	SW846 8330
2,4-Dinitrotoluene	3.00	2.71	ug/L	90		SW846 8330
	3.00	2.82	ug/L	94	4.0	SW846 8330
2-Nitrotoluene	3.00	2.32	ug/L	77		SW846 8330
	3.00	2.45	ug/L	82	5.4	SW846 8330
4-Nitrotoluene	3.00	2.31	ug/L	77		SW846 8330
	3.00	2.54	ug/L	84	9.1	SW846 8330
3-Nitrotoluene	3.00	2.41	ug/L	80		SW846 8330
	3.00	2.54	ug/L	85	4.9	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	67	(53 - 133)
	73	(53 - 133)

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 #...: H1J020107 **Work Order #...:** ELEL11AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J020000-198 ELEL11AD-LCSD
Prep Date.....: 10/02/01 **Analysis Date..:** 10/04/01
Prep Batch #...: 1275198
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**101**	**(68 - 122)**			**SW846 8330**
	101	**(68 - 122)**	**0.010**	**(0-25)**	**SW846 8330**
RDX	**103**	**(71 - 127)**			**SW846 8330**
	104	**(71 - 127)**	**0.73**	**(0-26)**	**SW846 8330**
1,3,5-Trinitrobenzene	**97**	**(70 - 124)**			**SW846 8330**
	99	**(70 - 124)**	**1.9**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**92**	**(72 - 124)**			**SW846 8330**
	95	**(72 - 124)**	**3.4**	**(0-25)**	**SW846 8330**
Tetryl	**102**	**(68 - 123)**			**SW846 8330**
	103	**(68 - 123)**	**1.3**	**(0-26)**	**SW846 8330**
Nitrobenzene	**85**	**(60 - 122)**			**SW846 8330**
	88	**(60 - 122)**	**3.4**	**(0-26)**	**SW846 8330**
2,4,6-Trinitrotoluene	**95**	**(71 - 123)**			**SW846 8330**
	97	**(71 - 123)**	**2.2**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**92**	**(66 - 122)**			**SW846 8330**
	99	**(66 - 122)**	**7.6**	**(0-26)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**87**	**(65 - 124)**			**SW846 8330**
	94	**(65 - 124)**	**7.1**	**(0-26)**	**SW846 8330**
2,6-Dinitrotoluene	**89**	**(66 - 129)**			**SW846 8330**
	93	**(66 - 129)**	**4.2**	**(0-26)**	**SW846 8330**
2,4-Dinitrotoluene	**90**	**(70 - 125)**			**SW846 8330**
	94	**(70 - 125)**	**4.0**	**(0-26)**	**SW846 8330**
2-Nitrotoluene	**77**	**(54 - 121)**			**SW846 8330**
	82	**(54 - 121)**	**5.4**	**(0-27)**	**SW846 8330**
4-Nitrotoluene	**77**	**(59 - 123)**			**SW846 8330**
	84	**(59 - 123)**	**9.1**	**(0-27)**	**SW846 8330**
3-Nitrotoluene	**80**	**(58 - 124)**			**SW846 8330**
	85	**(58 - 124)**	**4.9**	**(0-27)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	67	(53 - 133)
	73	(53 - 133)

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 #...: H1J020107 **Work Order #...:** ELP731AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J070000-101

Prep Date.....: 10/07/01
Analysis Date..: 10/09/01 **Prep Batch #...:** 1280101
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	79	(74 - 121)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J020107 **Work Order #...:** ELP731AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: H1J070000-101 ELP731AD-LCSD
Prep Date.....: 10/07/01 **Analysis Date..:** 10/09/01
Prep Batch #...: 1280101
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	**3.00**	**2.84**	**mg/kg**	**95**		**SW846 8330**
	3.00	**2.84**	**mg/kg**	**95**	**0.12**	**SW846 8330**
RDX	**3.00**	**2.84**	**mg/kg**	**95**		**SW846 8330**
	3.00	**2.85**	**mg/kg**	**95**	**0.13**	**SW846 8330**
1,3,5-Trinitrobenzene	**3.00**	**2.85**	**mg/kg**	**95**		**SW846 8330**
	3.00	**2.88**	**mg/kg**	**96**	**1.0**	**SW846 8330**
1,3-Dinitrobenzene	**3.00**	**2.79**	**mg/kg**	**93**		**SW846 8330**
	3.00	**2.80**	**mg/kg**	**93**	**0.26**	**SW846 8330**
Tetryl	**3.00**	**2.75**	**mg/kg**	**92**		**SW846 8330**
	3.00	**2.79**	**mg/kg**	**93**	**1.5**	**SW846 8330**
Nitrobenzene	**3.00**	**2.80**	**mg/kg**	**93**		**SW846 8330**
	3.00	**2.78**	**mg/kg**	**93**	**0.51**	**SW846 8330**
2,4,6-Trinitrotoluene	**3.00**	**2.89**	**mg/kg**	**96**		**SW846 8330**
	3.00	**2.90**	**mg/kg**	**97**	**0.020**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**3.00**	**3.13**	**mg/kg**	**104**		**SW846 8330**
	3.00	**3.12**	**mg/kg**	**104**	**0.43**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**3.00**	**2.91**	**mg/kg**	**97**		**SW846 8330**
	3.00	**2.90**	**mg/kg**	**97**	**0.15**	**SW846 8330**
2,6-Dinitrotoluene	**3.00**	**2.76**	**mg/kg**	**92**		**SW846 8330**
	3.00	**2.75**	**mg/kg**	**92**	**0.34**	**SW846 8330**
2,4-Dinitrotoluene	**3.00**	**2.82**	**mg/kg**	**94**		**SW846 8330**
	3.00	**2.83**	**mg/kg**	**94**	**0.37**	**SW846 8330**
2-Nitrotoluene	**3.00**	**2.76**	**mg/kg**	**92**		**SW846 8330**
	3.00	**2.73**	**mg/kg**	**91**	**0.97**	**SW846 8330**
4-Nitrotoluene	**3.00**	**2.73**	**mg/kg**	**91**		**SW846 8330**
	3.00	**2.69**	**mg/kg**	**90**	**1.5**	**SW846 8330**
3-Nitrotoluene	**3.00**	**2.77**	**mg/kg**	**92**		**SW846 8330**
	3.00	**2.75**	**mg/kg**	**92**	**0.79**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	79	(74 - 121)
	77	(74 - 121)

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 #...: H1J020107 **Work Order #...:** ELP731AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: H1J070000-101 ELP731AD-LCSD
Prep Date.....: 10/07/01 **Analysis Date..:** 10/09/01
Prep Batch #...: 1280101
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**95**	**(76 - 121)**			**SW846 8330**
	95	**(76 - 121)**	**0.12**	**(0-26)**	**SW846 8330**
RDX	**95**	**(79 - 118)**			**SW846 8330**
	95	**(79 - 118)**	**0.13**	**(0-23)**	**SW846 8330**
1,3,5-Trinitrobenzene	**95**	**(76 - 116)**			**SW846 8330**
	96	**(76 - 116)**	**1.0**	**(0-27)**	**SW846 8330**
1,3-Dinitrobenzene	**93**	**(75 - 117)**			**SW846 8330**
	93	**(75 - 117)**	**0.26**	**(0-25)**	**SW846 8330**
Tetryl	**92**	**(42 - 125)**			**SW846 8330**
	93	**(42 - 125)**	**1.5**	**(0-39)**	**SW846 8330**
Nitrobenzene	**93**	**(78 - 115)**			**SW846 8330**
	93	**(78 - 115)**	**0.51**	**(0-22)**	**SW846 8330**
2,4,6-Trinitrotoluene	**96**	**(76 - 118)**			**SW846 8330**
	97	**(76 - 118)**	**0.020**	**(0-26)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**104**	**(80 - 122)**			**SW846 8330**
	104	**(80 - 122)**	**0.43**	**(0-25)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**97**	**(78 - 119)**			**SW846 8330**
	97	**(78 - 119)**	**0.15**	**(0-24)**	**SW846 8330**
2,6-Dinitrotoluene	**92**	**(74 - 122)**			**SW846 8330**
	92	**(74 - 122)**	**0.34**	**(0-24)**	**SW846 8330**
2,4-Dinitrotoluene	**94**	**(78 - 118)**			**SW846 8330**
	94	**(78 - 118)**	**0.37**	**(0-24)**	**SW846 8330**
2-Nitrotoluene	**92**	**(78 - 117)**			**SW846 8330**
	91	**(78 - 117)**	**0.97**	**(0-24)**	**SW846 8330**
4-Nitrotoluene	**91**	**(78 - 118)**			**SW846 8330**
	90	**(78 - 118)**	**1.5**	**(0-26)**	**SW846 8330**
3-Nitrotoluene	**92**	**(78 - 117)**			**SW846 8330**
	92	**(78 - 117)**	**0.79**	**(0-24)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	79	(74 - 121)
	77	(74 - 121)

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: BD3012

TOTAL Metals

Lot-Sample #...: H1J020107-001 Matrix.....: WATER
Date Sampled...: 10/01/01 Date Received..: 10/02/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1281424						
Aluminum	3310	200	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AA
		Dilution Factor: 1		Analysis Time..: 11:07		
Antimony	ND	60.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AC
		Dilution Factor: 1		Analysis Time..: 11:07		
Arsenic	6.6 B	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AD
		Dilution Factor: 1		Analysis Time..: 11:07		
Barium	23.1 B	200	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AE
		Dilution Factor: 1		Analysis Time..: 11:07		
Beryllium	2.0 B	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AF
		Dilution Factor: 1		Analysis Time..: 11:07		
Cadmium	0.58 B	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AG
		Dilution Factor: 1		Analysis Time..: 11:07		
Calcium	115000	5000	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AH
		Dilution Factor: 1		Analysis Time..: 11:07		
Chromium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AJ
		Dilution Factor: 1		Analysis Time..: 11:07		
Cobalt	101	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AK
		Dilution Factor: 1		Analysis Time..: 11:07		
Copper	6.7 B	25.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AL
		Dilution Factor: 1		Analysis Time..: 11:07		
Iron	14300	100	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AM
		Dilution Factor: 1		Analysis Time..: 11:07		
Lead	ND	3.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AN
		Dilution Factor: 1		Analysis Time..: 11:07		
Magnesium	32100	5000	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AP
		Dilution Factor: 1		Analysis Time..: 11:07		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3012

TOTAL Metals

Lot-Sample #...: H1J020107-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**1770**	**15.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELEK11AQ**
		Dilution Factor: 1		Analysis Time..: 11:07		
Nickel	**240**	**40.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELEK11AR**
		Dilution Factor: 1		Analysis Time..: 11:07		
Potassium	**4060 B**	**5000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELEK11AT**
		Dilution Factor: 1		Analysis Time..: 11:07		
Selenium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AU
		Dilution Factor: 1		Analysis Time..: 11:07		
Silver	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AV
		Dilution Factor: 1		Analysis Time..: 11:07		
Sodium	**6070**	**5000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELEK11AW**
		Dilution Factor: 1		Analysis Time..: 11:07		
Thallium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11AX
		Dilution Factor: 1		Analysis Time..: 11:07		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELEK11A0
		Dilution Factor: 1		Analysis Time..: 11:07		
Zinc	**214**	**20.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELEK11A1**
		Dilution Factor: 1		Analysis Time..: 11:07		
Prep Batch #...: 1282394						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELEK11A2
		Dilution Factor: 1		Analysis Time..: 12:54		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3012

DISSOLVED Metals

Lot-Sample #...: H1J020107-003 Matrix.....: WATER
Date Sampled...: 10/01/01 Date Received..: 10/02/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1282408						
Aluminum	3390	200	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AA
		Dilution Factor: 1		Analysis Time..: 11:27		
Antimony	ND	60.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AC
		Dilution Factor: 1		Analysis Time..: 11:27		
Arsenic	6.5 B	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AD
		Dilution Factor: 1		Analysis Time..: 11:27		
Barium	23.4 B	200	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AE
		Dilution Factor: 1		Analysis Time..: 11:27		
Beryllium	2.3 B	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AF
		Dilution Factor: 1		Analysis Time..: 11:27		
Cadmium	0.54 B	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AG
		Dilution Factor: 1		Analysis Time..: 11:27		
Calcium	119000	5000	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AH
		Dilution Factor: 1		Analysis Time..: 11:27		
Chromium	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AJ
		Dilution Factor: 1		Analysis Time..: 11:27		
Cobalt	105	50.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AK
		Dilution Factor: 1		Analysis Time..: 11:27		
Copper	2.2 B	25.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AL
		Dilution Factor: 1		Analysis Time..: 11:27		
Iron	14800	100	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AM
		Dilution Factor: 1		Analysis Time..: 11:27		
Lead	ND	3.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AN
		Dilution Factor: 1		Analysis Time..: 11:27		
Magnesium	33300	5000	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AP
		Dilution Factor: 1		Analysis Time..: 11:27		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3012

DISSOLVED Metals

Lot-Sample #...: H1J020107-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**1830**	**15.0**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELEK31AQ**
		Dilution Factor: 1		Analysis Time..: 11:27		
Nickel	**248**	**40.0**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELEK31AR**
		Dilution Factor: 1		Analysis Time..: 11:27		
Potassium	**4130 B**	**5000**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELEK31AT**
		Dilution Factor: 1		Analysis Time..: 11:27		
Selenium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AU
		Dilution Factor: 1		Analysis Time..: 11:27		
Silver	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AV
		Dilution Factor: 1		Analysis Time..: 11:27		
Sodium	**6090**	**5000**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELEK31AW**
		Dilution Factor: 1		Analysis Time..: 11:27		
Thallium	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31AX
		Dilution Factor: 1		Analysis Time..: 11:27		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/10-10/12/01	ELEK31A0
		Dilution Factor: 1		Analysis Time..: 11:27		
Zinc	**231**	**20.0**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELEK31A1**
		Dilution Factor: 1		Analysis Time..: 11:27		
Prep Batch #...: 1282409						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELEK31A2
		Dilution Factor: 1		Analysis Time..: 12:10		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9004

TCLP Metals

Lot-Sample #...: H1J020107-004 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
Leach Date.....: 10/04/01 Leach Batch #..: P127701

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280094						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK41AD
		Dilution Factor: 1		Analysis Time..: 11:22		
Barium	0.56 B,J	10.0	mg/L	SW846 6010B	10/07-10/11/01	ELEK41AE
		Dilution Factor: 1		Analysis Time..: 11:22		
Cadmium	0.0043 B	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELEK41AF
		Dilution Factor: 1		Analysis Time..: 11:22		
Chromium	0.042 B	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK41AG
		Dilution Factor: 1		Analysis Time..: 11:22		
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK41AH
		Dilution Factor: 1		Analysis Time..: 11:22		
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELEK41AJ
		Dilution Factor: 1		Analysis Time..: 11:22		
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK41AK
		Dilution Factor: 1		Analysis Time..: 11:22		
Prep Batch #...: 1282395						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELEK41AL
		Dilution Factor: 1		Analysis Time..: 12:18		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9005

TCLP Metals

Lot-Sample #...: H1J020107-005 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
Leach Date.....: 10/04/01 Leach Batch #..: P127701

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280094						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK51AD
		Dilution Factor: 1		Analysis Time..: 11:26		
Barium	0.90 B,J	10.0	mg/L	SW846 6010B	10/07-10/11/01	ELEK51AE
		Dilution Factor: 1		Analysis Time..: 11:26		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELEK51AF
		Dilution Factor: 1		Analysis Time..: 11:26		
Chromium	0.011 B	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK51AG
		Dilution Factor: 1		Analysis Time..: 11:26		
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK51AH
		Dilution Factor: 1		Analysis Time..: 11:26		
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELEK51AJ
		Dilution Factor: 1		Analysis Time..: 11:26		
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK51AK
		Dilution Factor: 1		Analysis Time..: 11:26		
Prep Batch #...: 1282395						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELEK51AL
		Dilution Factor: 1		Analysis Time..: 12:24		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9006

TCLP Metals

Lot-Sample #...: H1J020107-006 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
Leach Date.....: 10/04/01 Leach Batch #..: P127701

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280094						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK61AD
		Dilution Factor: 1		Analysis Time..: 11:30		
Barium	**0.098 B,J**	**10.0**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELEK61AE**
		Dilution Factor: 1		Analysis Time..: 11:30		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELEK61AF
		Dilution Factor: 1		Analysis Time..: 11:30		
Chromium	**0.012 B**	**0.50**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELEK61AG**
		Dilution Factor: 1		Analysis Time..: 11:30		
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK61AH
		Dilution Factor: 1		Analysis Time..: 11:30		
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELEK61AJ
		Dilution Factor: 1		Analysis Time..: 11:30		
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK61AK
		Dilution Factor: 1		Analysis Time..: 11:30		
Prep Batch #...: 1282395						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELEK61AL
		Dilution Factor: 1		Analysis Time..: 12:26		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9007

TCLP Metals

Lot-Sample #...: H1J020107-007 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
Leach Date.....: 10/04/01 Leach Batch #..: P127701

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280094						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK71AD
		Dilution Factor: 1		Analysis Time..: 11:34		
Barium	0.75 B,J	10.0	mg/L	SW846 6010B	10/07-10/11/01	ELEK71AE
		Dilution Factor: 1		Analysis Time..: 11:34		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELEK71AF
		Dilution Factor: 1		Analysis Time..: 11:34		
Chromium	0.0092 B	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK71AG
		Dilution Factor: 1		Analysis Time..: 11:34		
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK71AH
		Dilution Factor: 1		Analysis Time..: 11:34		
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELEK71AJ
		Dilution Factor: 1		Analysis Time..: 11:34		
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK71AK
		Dilution Factor: 1		Analysis Time..: 11:34		
Prep Batch #...: 1282395						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELEK71AL
		Dilution Factor: 1		Analysis Time..: 12:31		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9008

TCLP Metals

Lot-Sample #...: H1J020107-008 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
Leach Date.....: 10/04/01 Leach Batch #..: P127701

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280094						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK81AD
		Dilution Factor: 1		Analysis Time..: 11:38		
Barium	**0.14 B,J**	**10.0**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELEK81AE**
		Dilution Factor: 1		Analysis Time..: 11:38		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELEK81AF
		Dilution Factor: 1		Analysis Time..: 11:38		
Chromium	**0.011 B**	**0.50**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELEK81AG**
		Dilution Factor: 1		Analysis Time..: 11:38		
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK81AH
		Dilution Factor: 1		Analysis Time..: 11:38		
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELEK81AJ
		Dilution Factor: 1		Analysis Time..: 11:38		
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK81AK
		Dilution Factor: 1		Analysis Time..: 11:38		
Prep Batch #...: 1282395						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELEK81AL
		Dilution Factor: 1		Analysis Time..: 12:33		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9009

TCLP Metals

Lot-Sample #...: H1J020107-009 **Matrix.....:** SOLID
Date Sampled...: 09/29/01 **Date Received..:** 10/02/01
Leach Date.....: 10/04/01 **Leach Batch #..:** P127701

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280094						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK91AD
		Dilution Factor: 1		Analysis Time..: 12:03		
Barium	**0.90 B,J**	**10.0**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELEK91AE**
		Dilution Factor: 1		Analysis Time..: 12:03		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELEK91AF
		Dilution Factor: 1		Analysis Time..: 12:03		
Chromium	**0.0096 B**	**0.50**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELEK91AG**
		Dilution Factor: 1		Analysis Time..: 12:03		
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK91AH
		Dilution Factor: 1		Analysis Time..: 12:03		
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELEK91AJ
		Dilution Factor: 1		Analysis Time..: 12:03		
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELEK91AK
		Dilution Factor: 1		Analysis Time..: 12:03		
Prep Batch #...: 1282395						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELEK91AL
		Dilution Factor: 1		Analysis Time..: 12:35		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9010

TCLP Metals

Lot-Sample #...: H1J020107-010 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
Leach Date.....: 10/04/01 Leach Batch #..: P127701

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280094						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELELC1AD
		Dilution Factor: 1		Analysis Time..: 12:08		
Barium	**0.77 B,J**	**10.0**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELELC1AE**
		Dilution Factor: 1		Analysis Time..: 12:08		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELELC1AF
		Dilution Factor: 1		Analysis Time..: 12:08		
Chromium	**0.013 B**	**0.50**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELELC1AG**
		Dilution Factor: 1		Analysis Time..: 12:08		
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELELC1AH
		Dilution Factor: 1		Analysis Time..: 12:08		
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELELC1AJ
		Dilution Factor: 1		Analysis Time..: 12:08		
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELELC1AK
		Dilution Factor: 1		Analysis Time..: 12:08		
Prep Batch #...: 1282395						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELELC1AL
		Dilution Factor: 1		Analysis Time..: 12:37		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9011

TCLP Metals

Lot-Sample #...: H1J020107-011 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
Leach Date.....: 10/04/01 Leach Batch #..: P127701

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280094						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELELE1AD
		Dilution Factor: 1		Analysis Time..: 12:12		
Barium	**0.60 B,J**	**10.0**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELELE1AE**
		Dilution Factor: 1		Analysis Time..: 12:12		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELELE1AF
		Dilution Factor: 1		Analysis Time..: 12:12		
Chromium	**0.012 B**	**0.50**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELELE1AG**
		Dilution Factor: 1		Analysis Time..: 12:12		
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELELE1AH
		Dilution Factor: 1		Analysis Time..: 12:12		
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELELE1AJ
		Dilution Factor: 1		Analysis Time..: 12:12		
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELELE1AK
		Dilution Factor: 1		Analysis Time..: 12:12		
Prep Batch #...: 1282395						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELELE1AL
		Dilution Factor: 1		Analysis Time..: 12:39		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: H1J020107 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J040000-167 **Prep Batch #...:** 1280094						
Leach Date.....: 10/04/01 **Leach Batch #..:** P127701						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELJL41AA
		Dilution Factor: 1				
		Analysis Time..: 11:13				
Barium	**0.020 B**	**10.0**	**mg/L**	**SW846 6010B**	**10/07-10/11/01**	**ELJL41AC**
		Dilution Factor: 1				
		Analysis Time..: 11:13				
Cadmium	ND	0.10	mg/L	SW846 6010B	10/07-10/11/01	ELJL41AD
		Dilution Factor: 1				
		Analysis Time..: 11:13				
Chromium	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELJL41AE
		Dilution Factor: 1				
		Analysis Time..: 11:13				
Lead	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELJL41AF
		Dilution Factor: 1				
		Analysis Time..: 11:13				
Selenium	ND	0.25	mg/L	SW846 6010B	10/07-10/11/01	ELJL41AG
		Dilution Factor: 1				
		Analysis Time..: 11:13				
Silver	ND	0.50	mg/L	SW846 6010B	10/07-10/11/01	ELJL41AH
		Dilution Factor: 1				
		Analysis Time..: 11:13				
MB Lot-Sample #: H1J040000-167 **Prep Batch #...:** 1282395						
Leach Date.....: 10/04/01 **Leach Batch #..:** P127701						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/10/01	ELJL41AJ
		Dilution Factor: 1				
		Analysis Time..: 12:14				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

MB Lot-Sample #: H1J080000-424 **Prep Batch #...:** 1281424

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum	ND	200	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AA
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Antimony	ND	60.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AC
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AD
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Barium	ND	200	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AE
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AF
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AG
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Calcium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AH
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Chromium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AJ
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AK
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Copper	ND	25.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AL
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Iron	ND	100	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AM
		Dilution Factor: 1				
		Analysis Time..: 10:49				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J020107 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AN
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Magnesium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AP
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Manganese	ND	15.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AQ
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Nickel	ND	40.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AR
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Potassium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AT
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Selenium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AU
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Silver	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AV
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Sodium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AW
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Thallium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AX
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1A0
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Zinc	ND	20.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1A1
		Dilution Factor: 1				
		Analysis Time..: 10:49				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J090000-394 **Prep Batch #...:** 1282394						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELT7K1AA
		Dilution Factor: 1				
		Analysis Time..: 12:40				

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J090000-408 **Prep Batch #...:** 1282408						
Aluminum	ND	200	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AA
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Antimony	ND	60.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AC
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AD
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Barium	ND	200	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AE
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AF
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AG
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Calcium	ND	5000	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AH
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Chromium	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AJ
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AK
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Copper	ND	25.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AL
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Iron	ND	100	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AM
		Dilution Factor: 1				
		Analysis Time..: 10:47				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AN
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Magnesium	ND	5000	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AP
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Manganese	ND	15.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AQ
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Nickel	ND	40.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AR
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Potassium	ND	5000	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AT
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Selenium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AU
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Silver	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AV
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Sodium	ND	5000	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AW
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Thallium	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AX
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1A0
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Zinc	ND	20.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1A1
		Dilution Factor: 1				
		Analysis Time..: 10:47				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J090000-409 **Prep Batch #...:** 1282409						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELT9V1AA
		Dilution Factor: 1				
		Analysis Time..: 12:00				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TCLP Metals

Client Lot #...: H1J020107 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J070000-094 **Prep Batch #...:** 1280094							
Arsenic	5.00	5.30	mg/L	106	SW846 6010B	10/07-10/11/01	ELP7N1AJ
			Dilution Factor: 1				
			Analysis Time..: 11:17				
Barium	50.0	50.8	mg/L	102	SW846 6010B	10/07-10/11/01	ELP7N1AK
			Dilution Factor: 1				
			Analysis Time..: 11:17				
Cadmium	1.00	1.04	mg/L	104	SW846 6010B	10/07-10/11/01	ELP7N1AL
			Dilution Factor: 1				
			Analysis Time..: 11:17				
Chromium	5.00	5.18	mg/L	104	SW846 6010B	10/07-10/11/01	ELP7N1AM
			Dilution Factor: 1				
			Analysis Time..: 11:17				
Lead	5.00	5.12	mg/L	102	SW846 6010B	10/07-10/11/01	ELP7N1AN
			Dilution Factor: 1				
			Analysis Time..: 11:17				
Selenium	1.00	1.13	mg/L	113	SW846 6010B	10/07-10/11/01	ELP7N1AP
			Dilution Factor: 1				
			Analysis Time..: 11:17				
Silver	1.00	1.02	mg/L	102	SW846 6010B	10/07-10/11/01	ELP7N1AQ
			Dilution Factor: 1				
			Analysis Time..: 11:17				
LCS Lot-Sample#: H1J090000-395 **Prep Batch #...:** 1282395							
Mercury	0.00500	0.00497	mg/L	99	SW846 7470A	10/10/01	ELT7W1AA
			Dilution Factor: 1				
			Analysis Time..: 12:16				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

LCS Lot-Sample#: H1J080000-424 **Prep Batch #...:** 1281424

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum	2000	1980	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1A2
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Antimony	500	490	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A3
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Arsenic	2000	1980	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1A4
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Barium	2000	1960	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A5
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Beryllium	50.0	50.9	ug/L	102	SW846 6010B	10/09-10/10/01	ELRCX1A6
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Cadmium	50.0	48.8	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A7
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Calcium	50000	48700	ug/L	97	SW846 6010B	10/09-10/10/01	ELRCX1A8
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Chromium	200	196	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A9
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Cobalt	500	495	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CA
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Copper	250	245	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CC
			Dilution Factor: 1				
			Analysis Time..: 10:53				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J020107 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	978	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CD
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Lead	500	492	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CE
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Magnesium	50000	48400	ug/L	97	SW846 6010B	10/09-10/10/01	ELRCX1CF
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Manganese	500	499	ug/L	100	SW846 6010B	10/09-10/10/01	ELRCX1CG
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Nickel	500	493	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CH
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Potassium	50000	48800	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CJ
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Selenium	2000	2030	ug/L	101	SW846 6010B	10/09-10/10/01	ELRCX1CK
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Silver	50.0	48.2	ug/L	96	SW846 6010B	10/09-10/10/01	ELRCX1CL
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Sodium	50000	50000	ug/L	100	SW846 6010B	10/09-10/10/01	ELRCX1CM
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Thallium	2000	1980	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CN
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Vanadium	500	494	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CP
			Dilution Factor: 1				
			Analysis Time..: 10:53				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	519	ug/L	104	SW846 6010B	10/09-10/10/01	ELRCX1CQ
			Dilution Factor: 1				
			Analysis Time..: 10:53				

LCS Lot-Sample#: H1J090000-394 **Prep Batch #...:** 1282394

Mercury	0.00500	0.00508	mg/L	102	SW846 7470A	10/10/01	ELT7K1AC
			Dilution Factor: 1				
			Analysis Time..: 12:46				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J090000-408 **Prep Batch #...:** 1282408							
Aluminum	2000	2000	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A2
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Antimony	500	495	ug/L	99	SW846 6010B	10/10-10/12/01	ELT9P1A3
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Arsenic	2000	2010	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A4
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Barium	2000	1990	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A5
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Beryllium	50.0	52.0	ug/L	104	SW846 6010B	10/10-10/12/01	ELT9P1A6
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Cadmium	50.0	50.1	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A7
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Calcium	50000	49900	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A8
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Chromium	200	201	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A9
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Cobalt	500	505	ug/L	101	SW846 6010B	10/10-10/12/01	ELT9P1CA
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Copper	250	245	ug/L	98	SW846 6010B	10/10-10/12/01	ELT9P1CC
			Dilution Factor: 1				
			Analysis Time..: 10:51				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	982	ug/L	98	SW846 6010B	10/10-10/12/01	ELT9P1CD
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Lead	500	504	ug/L	101	SW846 6010B	10/10-10/12/01	ELT9P1CE
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Magnesium	50000	49600	ug/L	99	SW846 6010B	10/10-10/12/01	ELT9P1CF
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Manganese	500	509	ug/L	102	SW846 6010B	10/10-10/12/01	ELT9P1CG
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Nickel	500	507	ug/L	101	SW846 6010B	10/10-10/12/01	ELT9P1CH
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Potassium	50000	49100	ug/L	98	SW846 6010B	10/10-10/12/01	ELT9P1CJ
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Selenium	2000	2070	ug/L	103	SW846 6010B	10/10-10/12/01	ELT9P1CK
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Silver	50.0	49.4	ug/L	99	SW846 6010B	10/10-10/12/01	ELT9P1CL
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Sodium	50000	50100	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1CM
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Thallium	2000	2010	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1CN
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Vanadium	500	504	ug/L	101	SW846 6010B	10/10-10/12/01	ELT9P1CP
			Dilution Factor: 1				
			Analysis Time..: 10:51				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	529	ug/L	106	SW846 6010B	10/10-10/12/01	ELT9P1CQ
			Dilution Factor: 1				
			Analysis Time..: 10:51				

LCS Lot-Sample#: H1J090000-409 **Prep Batch #...:** 1282409

Mercury	0.00500	0.00516	mg/L	103	SW846 7470A	10/10/01	ELT9V1AC
			Dilution Factor: 1				
			Analysis Time..: 12:02				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: H1J020107 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J070000-094 **Prep Batch #...:** 1280094					
Arsenic	106	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:17	10/07-10/11/01	ELP7N1AJ
Barium	102	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:17	10/07-10/11/01	ELP7N1AK
Cadmium	104	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:17	10/07-10/11/01	ELP7N1AL
Chromium	104	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:17	10/07-10/11/01	ELP7N1AM
Lead	102	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:17	10/07-10/11/01	ELP7N1AN
Selenium	113	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:17	10/07-10/11/01	ELP7N1AP
Silver	102	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:17	10/07-10/11/01	ELP7N1AQ
LCS Lot-Sample#: H1J090000-395 **Prep Batch #...:** 1282395					
Mercury	99	(80 - 120)	SW846 7470A Dilution Factor: 1 Analysis Time..: 12:16	10/10/01	ELT7W1AA

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J080000-424 **Prep Batch #...:** 1281424					
Aluminum	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A2
Antimony	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A3
Arsenic	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A4
Barium	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A5
Beryllium	102	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A6
Cadmium	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A7
Calcium	97	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A8
Chromium	98	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A9
Cobalt	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CA
Copper	98	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CC

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	98	(90 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CD
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Lead	98	(90 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CE
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Magnesium	97	(90 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CF
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Manganese	100	(90 - 111)	SW846 6010B	10/09-10/10/01	ELRCX1CG
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Nickel	99	(90 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CH
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Potassium	98	(89 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CJ
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Selenium	101	(90 - 114)	SW846 6010B	10/09-10/10/01	ELRCX1CK
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Silver	96	(90 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CL
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Sodium	100	(90 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CM
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Thallium	99	(90 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CN
		Dilution Factor: 1			
		Analysis Time..: 10:53			
Vanadium	99	(90 - 110)	SW846 6010B	10/09-10/10/01	ELRCX1CP
		Dilution Factor: 1			
		Analysis Time..: 10:53			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	104	(90 - 115)	SW846 6010B	10/09-10/10/01	ELRCX1CQ
		Dilution Factor: 1			
		Analysis Time..: 10:53			

LCS Lot-Sample#: H1J090000-394 **Prep Batch #...:** 1282394

Mercury	102	(90 - 110)	SW846 7470A	10/10/01	ELT7K1AC
		Dilution Factor: 1			
		Analysis Time..: 12:46			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J090000-408 **Prep Batch #...:** 1282408					
Aluminum	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A2
Antimony	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A3
Arsenic	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A4
Barium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A5
Beryllium	104	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A6
Cadmium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A7
Calcium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A8
Chromium	100	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A9
Cobalt	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CA
Copper	98	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CC

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CD
Lead	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CE
Magnesium	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CF
Manganese	102	(90 - 111)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CG
Nickel	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CH
Potassium	98	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CJ
Selenium	103	(90 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CK
Silver	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CL
Sodium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CM
Thallium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CN
Vanadium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CP

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J020107 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	106	(90 - 115)	SW846 6010B	10/10-10/12/01	ELT9P1CQ
		Dilution Factor: 1			
		Analysis Time..: 10:51			

LCS Lot-Sample#: H1J090000-409 **Prep Batch #...:** 1282409

Mercury	103	(90 - 110)	SW846 7470A	10/10/01	ELT9V1AC
		Dilution Factor: 1			
		Analysis Time..: 12:02			

NOTE(S):

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

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3012

General Chemistry

Lot-Sample #...: H1J020107-001 Work Order #...: ELEK1 Matrix.....: WATER
Date Sampled...: 10/01/01 Date Received..: 10/02/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	4.8	1.0	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 1				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/05/01	1282165
		Dilution Factor: 1				
Hardness, as CaCO3	443	25.0	mg/L	MCAWW 130.2	10/17/01	1290409
		Dilution Factor: 5				
Nitrate	ND	0.10	mg/L	MCAWW 353.2	10/02/01	1276422
		Dilution Factor: 1				
Sulfate	504	100	mg/L	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 20				
Total Alkalinity	2.7 B,J	5.0	mg/L	MCAWW 310.1	10/03/01	1282453
		Dilution Factor: 1				
Total Dissolved Solids	764	10.0	mg/L	MCAWW 160.1	10/04-10/05/01	1277351
		Dilution Factor: 1				
Total Organic Carbon	2.7	1.0	mg/L	SW846 9060	10/26/01	1299523
		Dilution Factor: 1				
Total Suspended Solids	5.0	4.0	mg/L	MCAWW 160.2	10/04-10/05/01	1277346
		Dilution Factor: 1				
Turbidity	2.5 J	0.50	NTU	MCAWW 180.1	10/02/01	1277589
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9004

General Chemistry

Lot-Sample #...: H1J020107-004 Work Order #...: ELEK4 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
% Moisture.....: 13

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	6.3	1.0	No Units	SW846 9045A	10/03/01	1276552
	Dilution Factor: 1					
Flashpoint	>180		deg F	SW846 1010	10/16/01	1289548
	Dilution Factor: 1					
Percent Moisture	13.1	0.10	%	MCAWW 160.3 MOD	10/02-10/03/01	1276181
	Dilution Factor: 1					
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/16/01	1289530
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/16/01	1289535
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9005

General Chemistry

Lot-Sample #...: H1J020107-005 Work Order #...: ELEK5 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	7.9	1.0	No Units	SW846 9045A	10/03/01	1276552
		Dilution Factor: 1				
Flashpoint	>180		deg F	SW846 1010	10/16/01	1289548
		Dilution Factor: 1				
Percent Moisture	21.0	0.10	%	MCAWW 160.3 MOD	10/02-10/03/01	1276181
		Dilution Factor: 1				
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/16/01	1289530
		Dilution Factor: 1				
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/16/01	1289535
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9006

General Chemistry

Lot-Sample #...: H1J020107-006 Work Order #...: ELEK6 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
% Moisture.....: 8.5

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	8.1	1.0	No Units	SW846 9045A	10/03/01	1276552
		Dilution Factor: 1				
Flashpoint	>180		deg F	SW846 1010	10/16/01	1289548
		Dilution Factor: 1				
Percent Moisture	8.5	0.10	%	MCAWW 160.3 MOD	10/02-10/03/01	1276181
		Dilution Factor: 1				
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/16/01	1289530
		Dilution Factor: 1				
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/16/01	1289535
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9007

General Chemistry

Lot-Sample #...: H1J020107-007 Work Order #...: ELEK7 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
% Moisture.....: 20

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	7.7	1.0	No Units	SW846 9045A	10/03/01	1276552
		Dilution Factor: 1				
Flashpoint	>180		deg F	SW846 1010	10/16/01	1289548
		Dilution Factor: 1				
Percent Moisture	19.6	0.10	%	MCAWW 160.3 MOD	10/02-10/03/01	1276181
		Dilution Factor: 1				
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/16/01	1289530
		Dilution Factor: 1				
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/16/01	1289535
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9008

General Chemistry

Lot-Sample #...: H1J020107-008 Work Order #...: ELEK8 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
% Moisture.....: 30

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	7.6	1.0	No Units	SW846 9045A	10/03/01	1276552
	Dilution Factor: 1					
Flashpoint	>180		deg F	SW846 1010	10/16/01	1289548
	Dilution Factor: 1					
Percent Moisture	29.8	0.10	%	MCAWW 160.3 MOD	10/02-10/03/01	1276181
	Dilution Factor: 1					
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/16/01	1289530
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/16/01	1289535
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9009

General Chemistry

Lot-Sample #...: H1J020107-009 Work Order #...: ELEK9 Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
% Moisture.....: 23

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	8.4	1.0	No Units	SW846 9045A	10/03/01	1276552
	Dilution Factor: 1					
Flashpoint	>180		deg F	SW846 1010	10/16/01	1289548
	Dilution Factor: 1					
Percent Moisture	23.2	0.10	%	MCAWW 160.3 MOD	10/02-10/03/01	1276181
	Dilution Factor: 1					
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/16/01	1289530
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/16/01	1289535
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9010

General Chemistry

Lot-Sample #...: H1J020107-010 Work Order #...: ELELC Matrix.....: SOLID
Date Sampled...: 09/29/01 Date Received..: 10/02/01
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	8.0	1.0	No Units	SW846 9045A	10/03/01	1276552
		Dilution Factor: 1				
Flashpoint	>180		deg F	SW846 1010	10/16/01	1289548
		Dilution Factor: 1				
Percent Moisture	19.3	0.10	%	MCAWW 160.3 MOD	10/02-10/03/01	1276181
		Dilution Factor: 1				
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/16/01	1289530
		Dilution Factor: 1				
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/16/01	1289535
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3024

HPLC

Lot-Sample #...: H1J030106-008 **Work Order #...:** ELGGQ1A3 **Matrix.....:** WATER
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/09/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1282116
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	ug/L
RDX	ND	0.50	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND I	0.20	ug/L
Tetryl	ND	0.20	ug/L
Nitrobenzene	ND G	1.9	ug/L
2,4,6-Trinitrotoluene	ND	0.20	ug/L
4-Amino-2,6-dinitrotoluene	ND G	1.8	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND G	0.27	ug/L
2,4-Dinitrotoluene	ND	0.20	ug/L
2-Nitrotoluene	ND I	0.20	ug/L
4-Nitrotoluene	ND	0.20	ug/L
3-Nitrotoluene	ND G	0.27	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	107	(53 - 133)

NOTE(S):

I Matrix interference.

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

METHOD BLANK REPORT

HPLC

Client Lot #...: H1J030106 **Work Order #...:** ELP731AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J070000-101

Prep Date.....: 10/07/01
Analysis Date..: 10/09/01 **Prep Batch #...:** 1280101
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	79	(74 - 121)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J030106 **Work Order #...:** ELP731AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: H1J070000-101 ELP731AD-LCSD
Prep Date.....: 10/07/01 **Analysis Date..:** 10/09/01
Prep Batch #...: 1280101
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	**3.00**	**2.84**	**mg/kg**	**95**		**SW846 8330**
	3.00	**2.84**	**mg/kg**	**95**	**0.12**	**SW846 8330**
RDX	**3.00**	**2.84**	**mg/kg**	**95**		**SW846 8330**
	3.00	**2.85**	**mg/kg**	**95**	**0.13**	**SW846 8330**
1,3,5-Trinitrobenzene	**3.00**	**2.85**	**mg/kg**	**95**		**SW846 8330**
	3.00	**2.88**	**mg/kg**	**96**	**1.0**	**SW846 8330**
1,3-Dinitrobenzene	**3.00**	**2.79**	**mg/kg**	**93**		**SW846 8330**
	3.00	**2.80**	**mg/kg**	**93**	**0.26**	**SW846 8330**
Tetryl	**3.00**	**2.75**	**mg/kg**	**92**		**SW846 8330**
	3.00	**2.79**	**mg/kg**	**93**	**1.5**	**SW846 8330**
Nitrobenzene	**3.00**	**2.80**	**mg/kg**	**93**		**SW846 8330**
	3.00	**2.78**	**mg/kg**	**93**	**0.51**	**SW846 8330**
2,4,6-Trinitrotoluene	**3.00**	**2.89**	**mg/kg**	**96**		**SW846 8330**
	3.00	**2.90**	**mg/kg**	**97**	**0.020**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**3.00**	**3.13**	**mg/kg**	**104**		**SW846 8330**
	3.00	**3.12**	**mg/kg**	**104**	**0.43**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**3.00**	**2.91**	**mg/kg**	**97**		**SW846 8330**
	3.00	**2.90**	**mg/kg**	**97**	**0.15**	**SW846 8330**
2,6-Dinitrotoluene	**3.00**	**2.76**	**mg/kg**	**92**		**SW846 8330**
	3.00	**2.75**	**mg/kg**	**92**	**0.34**	**SW846 8330**
2,4-Dinitrotoluene	**3.00**	**2.82**	**mg/kg**	**94**		**SW846 8330**
	3.00	**2.83**	**mg/kg**	**94**	**0.37**	**SW846 8330**
2-Nitrotoluene	**3.00**	**2.76**	**mg/kg**	**92**		**SW846 8330**
	3.00	**2.73**	**mg/kg**	**91**	**0.97**	**SW846 8330**
4-Nitrotoluene	**3.00**	**2.73**	**mg/kg**	**91**		**SW846 8330**
	3.00	**2.69**	**mg/kg**	**90**	**1.5**	**SW846 8330**
3-Nitrotoluene	**3.00**	**2.77**	**mg/kg**	**92**		**SW846 8330**
	3.00	**2.75**	**mg/kg**	**92**	**0.79**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	79	(74 - 121)
	77	(74 - 121)

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 #...: H1J030106 Work Order #...: ELP731AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: H1J070000-101 ELP731AD-LCSD
Prep Date.....: 10/07/01 Analysis Date..: 10/09/01
Prep Batch #...: 1280101
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**95**	**(76 - 121)**			**SW846 8330**
	95	**(76 - 121)**	**0.12**	**(0-26)**	**SW846 8330**
RDX	**95**	**(79 - 118)**			**SW846 8330**
	95	**(79 - 118)**	**0.13**	**(0-23)**	**SW846 8330**
1,3,5-Trinitrobenzene	**95**	**(76 - 116)**			**SW846 8330**
	96	**(76 - 116)**	**1.0**	**(0-27)**	**SW846 8330**
1,3-Dinitrobenzene	**93**	**(75 - 117)**			**SW846 8330**
	93	**(75 - 117)**	**0.26**	**(0-25)**	**SW846 8330**
Tetryl	**92**	**(42 - 125)**			**SW846 8330**
	93	**(42 - 125)**	**1.5**	**(0-39)**	**SW846 8330**
Nitrobenzene	**93**	**(78 - 115)**			**SW846 8330**
	93	**(78 - 115)**	**0.51**	**(0-22)**	**SW846 8330**
2,4,6-Trinitrotoluene	**96**	**(76 - 118)**			**SW846 8330**
	97	**(76 - 118)**	**0.020**	**(0-26)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**104**	**(80 - 122)**			**SW846 8330**
	104	**(80 - 122)**	**0.43**	**(0-25)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**97**	**(78 - 119)**			**SW846 8330**
	97	**(78 - 119)**	**0.15**	**(0-24)**	**SW846 8330**
2,6-Dinitrotoluene	**92**	**(74 - 122)**			**SW846 8330**
	92	**(74 - 122)**	**0.34**	**(0-24)**	**SW846 8330**
2,4-Dinitrotoluene	**94**	**(78 - 118)**			**SW846 8330**
	94	**(78 - 118)**	**0.37**	**(0-24)**	**SW846 8330**
2-Nitrotoluene	**92**	**(78 - 117)**			**SW846 8330**
	91	**(78 - 117)**	**0.97**	**(0-24)**	**SW846 8330**
4-Nitrotoluene	**91**	**(78 - 118)**			**SW846 8330**
	90	**(78 - 118)**	**1.5**	**(0-26)**	**SW846 8330**
3-Nitrotoluene	**92**	**(78 - 117)**			**SW846 8330**
	92	**(78 - 117)**	**0.79**	**(0-24)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	79	(74 - 121)
	77	(74 - 121)

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 #...: H1J030106 **Work Order #...:** ELR3N1AA **Matrix.....:** WATER
MB Lot-Sample #: H1J090000-116

Prep Date.....: 10/09/01
Analysis Date..: 10/17/01 **Prep Batch #...:** 1282116
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
HMX	ND	0.50	ug/L	SW846 8330
RDX	ND	0.50	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.20	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	1.8	ug/L	SW846 8330
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.27	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
4-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.27	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	87	(53 - 133)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J030106 Work Order #...: ELR3N1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J090000-116 ELR3N1AD-LCSD
Prep Date.....: 10/09/01 Analysis Date..: 10/18/01
Prep Batch #...: 1282116
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	3.00	3.24	ug/L	108		SW846 8330
	3.00	3.03	ug/L	101	6.8	SW846 8330
RDX	3.00	3.43	ug/L	114		SW846 8330
	3.00	3.17	ug/L	106	7.9	SW846 8330
1,3,5-Trinitrobenzene	3.00	3.41	ug/L	114		SW846 8330
	3.00	3.13	ug/L	104	8.4	SW846 8330
1,3-Dinitrobenzene	3.00	3.23	ug/L	108		SW846 8330
	3.00	2.94	ug/L	98	9.2	SW846 8330
Tetryl	3.00	3.37	ug/L	112		SW846 8330
	3.00	3.10	ug/L	103	8.4	SW846 8330
Nitrobenzene	3.00	2.97	ug/L	99		SW846 8330
	3.00	2.71	ug/L	90	9.0	SW846 8330
2,4,6-Trinitrotoluene	3.00	3.29	ug/L	110		SW846 8330
	3.00	3.02	ug/L	101	8.6	SW846 8330
4-Amino-2,6-dinitrotoluene	3.00	2.75	ug/L	92		SW846 8330
	3.00	2.58	ug/L	86	6.3	SW846 8330
2-Amino-4,6-dinitrotoluene	3.00	3.22	ug/L	107		SW846 8330
	3.00	2.97	ug/L	99	8.0	SW846 8330
2,6-Dinitrotoluene	3.00	3.42	ug/L	114		SW846 8330
	3.00	3.12	ug/L	104	9.2	SW846 8330
2,4-Dinitrotoluene	3.00	3.21	ug/L	107		SW846 8330
	3.00	2.96	ug/L	99	8.1	SW846 8330
2-Nitrotoluene	3.00	2.84	ug/L	95		SW846 8330
	3.00	2.64	ug/L	88	7.4	SW846 8330
4-Nitrotoluene	3.00	3.01	ug/L	100		SW846 8330
	3.00	2.80	ug/L	93	7.3	SW846 8330
3-Nitrotoluene	3.00	2.92	ug/L	97		SW846 8330
	3.00	2.71	ug/L	90	7.4	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	89	(53 - 133)
	86	(53 - 133)

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 #...: H1J030106 Work Order #...: ELP731AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: H1J070000-101 ELP731AD-LCSD
Prep Date.....: 10/07/01 Analysis Date..: 10/09/01
Prep Batch #...: 1280101
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**95**	**(76 - 121)**			**SW846 8330**
	95	**(76 - 121)**	**0.12**	**(0-26)**	**SW846 8330**
RDX	**95**	**(79 - 118)**			**SW846 8330**
	95	**(79 - 118)**	**0.13**	**(0-23)**	**SW846 8330**
1,3,5-Trinitrobenzene	**95**	**(76 - 116)**			**SW846 8330**
	96	**(76 - 116)**	**1.0**	**(0-27)**	**SW846 8330**
1,3-Dinitrobenzene	**93**	**(75 - 117)**			**SW846 8330**
	93	**(75 - 117)**	**0.26**	**(0-25)**	**SW846 8330**
Tetryl	**92**	**(42 - 125)**			**SW846 8330**
	93	**(42 - 125)**	**1.5**	**(0-39)**	**SW846 8330**
Nitrobenzene	**93**	**(78 - 115)**			**SW846 8330**
	93	**(78 - 115)**	**0.51**	**(0-22)**	**SW846 8330**
2,4,6-Trinitrotoluene	**96**	**(76 - 118)**			**SW846 8330**
	97	**(76 - 118)**	**0.020**	**(0-26)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**104**	**(80 - 122)**			**SW846 8330**
	104	**(80 - 122)**	**0.43**	**(0-25)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**97**	**(78 - 119)**			**SW846 8330**
	97	**(78 - 119)**	**0.15**	**(0-24)**	**SW846 8330**
2,6-Dinitrotoluene	**92**	**(74 - 122)**			**SW846 8330**
	92	**(74 - 122)**	**0.34**	**(0-24)**	**SW846 8330**
2,4-Dinitrotoluene	**94**	**(78 - 118)**			**SW846 8330**
	94	**(78 - 118)**	**0.37**	**(0-24)**	**SW846 8330**
2-Nitrotoluene	**92**	**(78 - 117)**			**SW846 8330**
	91	**(78 - 117)**	**0.97**	**(0-24)**	**SW846 8330**
4-Nitrotoluene	**91**	**(78 - 118)**			**SW846 8330**
	90	**(78 - 118)**	**1.5**	**(0-26)**	**SW846 8330**
3-Nitrotoluene	**92**	**(78 - 117)**			**SW846 8330**
	92	**(78 - 117)**	**0.79**	**(0-24)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	79	(74 - 121)
	77	(74 - 121)

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: BD0017R

HPLC

Lot-Sample #...: H1J030106-001 **Work Order #...:** ELGFT2AA **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284208
Dilution Factor: 200
% Moisture.....: 4.7 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	ND	40	ug/L
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	ND	40	ug/L
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	ND	40	ug/L
2,4-Dinitrotoluene	ND	40	ug/L
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	81	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0018R

HPLC

Lot-Sample #...: H1J030106-002 **Work Order #...:** ELGGG2AK **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284208
Dilution Factor: 200
% Moisture.....: 13 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	ND	40	ug/L
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	ND	40	ug/L
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	ND	40	ug/L
2,4-Dinitrotoluene	ND	40	ug/L
2-Nitrotoluene	**30 J**	**40**	**ug/L**
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	86	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0019R

HPLC

Lot-Sample #...: H1J030106-003 **Work Order #...:** ELGGH2AK **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284208
Dilution Factor: 200
% Moisture.....: 14 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	ND	40	ug/L
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	ND	40	ug/L
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	**27 J**	**40**	**ug/L**
2,4-Dinitrotoluene	**34 J**	**40**	**ug/L**
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	79	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0021R

HPLC

Lot-Sample #...: H1J030106-004 **Work Order #...:** ELGGJ2AK **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284208
Dilution Factor: 200
% Moisture.....: 8.2 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	ND	40	ug/L
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	**140**	**40**	**ug/L**
4-Amino-2,6-dinitrotoluene	**67**	**40**	**ug/L**
2-Amino-4,6-dinitrotoluene	**44**	**40**	**ug/L**
2,6-Dinitrotoluene	**96**	**40**	**ug/L**
2,4-Dinitrotoluene	**25 J**	**40**	**ug/L**
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	85	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0022R

HPLC

Lot-Sample #...: H1J030106-005 **Work Order #...:** ELGGK2AK **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284208
Dilution Factor: 200
% Moisture.....: 13 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	ND	40	ug/L
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	**60**	**40**	**ug/L**
4-Amino-2,6-dinitrotoluene	ND I	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	**420**	**40**	**ug/L**
2,4-Dinitrotoluene	**580**	**40**	**ug/L**
2-Nitrotoluene	**210**	**40**	**ug/L**
4-Nitrotoluene	**74**	**40**	**ug/L**
3-Nitrotoluene	**28 J**	**40**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	85	(74 - 121)

NOTE(S):

I Matrix interference.

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0029R

HPLC

Lot-Sample #...: H1J030106-006 **Work Order #...:** ELGGM2AK **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284208
Dilution Factor: 200
% Moisture.....: 14 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	ND	40	ug/L
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	**23 J**	**40**	**ug/L**
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	**26 J**	**40**	**ug/L**
2,4-Dinitrotoluene	**46**	**40**	**ug/L**
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	83	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0030R

HPLC

Lot-Sample #...: H1J030106-007 **Work Order #...:** ELGGN2AK **Matrix.....:** SOLID
Date Sampled...: 10/02/01 **Date Received..:** 10/03/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284208
Dilution Factor: 200
% Moisture.....: 26 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	ug/L
RDX	ND	100	ug/L
1,3,5-Trinitrobenzene	ND	40	ug/L
1,3-Dinitrobenzene	ND	40	ug/L
Tetryl	ND	40	ug/L
Nitrobenzene	ND	40	ug/L
2,4,6-Trinitrotoluene	ND	40	ug/L
4-Amino-2,6-dinitrotoluene	ND	40	ug/L
2-Amino-4,6-dinitrotoluene	ND	40	ug/L
2,6-Dinitrotoluene	ND	40	ug/L
2,4-Dinitrotoluene	ND	40	ug/L
2-Nitrotoluene	ND	40	ug/L
4-Nitrotoluene	ND	40	ug/L
3-Nitrotoluene	ND	40	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	83	(74 - 121)

METHOD BLANK REPORT

HPLC

Client Lot #...: H1J030106 **Work Order #...:** ELXXH1AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J110000-208

Prep Date.....: 10/11/01
Analysis Date..: 10/11/01 **Prep Batch #...:** 1284208
Dilution Factor: 200

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
HMX	ND	100	ug/L	SW846 8330
RDX	ND	100	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	40	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	40	ug/L	SW846 8330
Tetryl	ND	40	ug/L	SW846 8330
Nitrobenzene	ND	40	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	40	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	40	ug/L	SW846 8330
2-Amino-4,6-dinitrotoluene	ND	40	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	40	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	40	ug/L	SW846 8330
2-Nitrotoluene	ND	40	ug/L	SW846 8330
4-Nitrotoluene	ND	40	ug/L	SW846 8330
3-Nitrotoluene	ND	40	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	84	(74 - 121)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J030106 Work Order #...: ELXXH1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: H1J110000-208 ELXXH1AD-LCSD
Prep Date.....: 10/11/01 Analysis Date..: 10/11/01
Prep Batch #...: 1284208
Dilution Factor: 200

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	**600**	**590**	**ug/L**	**98**		**SW846 8330**
	600	**601**	**ug/L**	**100**	**1.7**	**SW846 8330**
RDX	**600**	**583**	**ug/L**	**97**		**SW846 8330**
	600	**587**	**ug/L**	**98**	**0.73**	**SW846 8330**
1,3,5-Trinitrobenzene	**600**	**602**	**ug/L**	**100**		**SW846 8330**
	600	**609**	**ug/L**	**101**	**1.1**	**SW846 8330**
1,3-Dinitrobenzene	**600**	**590**	**ug/L**	**98**		**SW846 8330**
	600	**597**	**ug/L**	**99**	**1.2**	**SW846 8330**
Tetryl	**600**	**657**	**ug/L**	**109**		**SW846 8330**
	600	**666**	**ug/L**	**111**	**1.4**	**SW846 8330**
Nitrobenzene	**600**	**586**	**ug/L**	**98**		**SW846 8330**
	600	**599**	**ug/L**	**100**	**2.2**	**SW846 8330**
2,4,6-Trinitrotoluene	**600**	**599**	**ug/L**	**100**		**SW846 8330**
	600	**612**	**ug/L**	**102**	**2.2**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**600**	**630**	**ug/L**	**105**		**SW846 8330**
	600	**643**	**ug/L**	**107**	**2.0**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**600**	**601**	**ug/L**	**100**		**SW846 8330**
	600	**610**	**ug/L**	**102**	**1.5**	**SW846 8330**
2,6-Dinitrotoluene	**600**	**578**	**ug/L**	**96**		**SW846 8330**
	600	**587**	**ug/L**	**98**	**1.6**	**SW846 8330**
2,4-Dinitrotoluene	**600**	**580**	**ug/L**	**97**		**SW846 8330**
	600	**592**	**ug/L**	**99**	**2.1**	**SW846 8330**
2-Nitrotoluene	**600**	**563**	**ug/L**	**94**		**SW846 8330**
	600	**577**	**ug/L**	**96**	**2.4**	**SW846 8330**
4-Nitrotoluene	**600**	**563**	**ug/L**	**94**		**SW846 8330**
	600	**597**	**ug/L**	**99**	**5.8**	**SW846 8330**
3-Nitrotoluene	**600**	**571**	**ug/L**	**95**		**SW846 8330**
	600	**593**	**ug/L**	**99**	**3.7**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	87	(74 - 121)
	88	(74 - 121)

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 #...: H1J030106 Work Order #...: ELXXH1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: H1J110000-208 ELXXH1AD-LCSD
Prep Date.....: 10/11/01 Analysis Date..: 10/11/01
Prep Batch #...: 1284208
Dilution Factor: 200

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**98**	**(76 - 121)**			**SW846 8330**
	100	**(76 - 121)**	**1.7**	**(0-26)**	**SW846 8330**
RDX	**97**	**(79 - 118)**			**SW846 8330**
	98	**(79 - 118)**	**0.73**	**(0-23)**	**SW846 8330**
1,3,5-Trinitrobenzene	**100**	**(76 - 116)**			**SW846 8330**
	101	**(76 - 116)**	**1.1**	**(0-27)**	**SW846 8330**
1,3-Dinitrobenzene	**98**	**(75 - 117)**			**SW846 8330**
	99	**(75 - 117)**	**1.2**	**(0-25)**	**SW846 8330**
Tetryl	**109**	**(42 - 125)**			**SW846 8330**
	111	**(42 - 125)**	**1.4**	**(0-39)**	**SW846 8330**
Nitrobenzene	**98**	**(78 - 115)**			**SW846 8330**
	100	**(78 - 115)**	**2.2**	**(0-22)**	**SW846 8330**
2,4,6-Trinitrotoluene	**100**	**(76 - 118)**			**SW846 8330**
	102	**(76 - 118)**	**2.2**	**(0-26)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**105**	**(80 - 122)**			**SW846 8330**
	107	**(80 - 122)**	**2.0**	**(0-25)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**100**	**(78 - 119)**			**SW846 8330**
	102	**(78 - 119)**	**1.5**	**(0-24)**	**SW846 8330**
2,6-Dinitrotoluene	**96**	**(74 - 122)**			**SW846 8330**
	98	**(74 - 122)**	**1.6**	**(0-24)**	**SW846 8330**
2,4-Dinitrotoluene	**97**	**(78 - 118)**			**SW846 8330**
	99	**(78 - 118)**	**2.1**	**(0-24)**	**SW846 8330**
2-Nitrotoluene	**94**	**(78 - 117)**			**SW846 8330**
	96	**(78 - 117)**	**2.4**	**(0-24)**	**SW846 8330**
4-Nitrotoluene	**94**	**(78 - 118)**			**SW846 8330**
	99	**(78 - 118)**	**5.8**	**(0-26)**	**SW846 8330**
3-Nitrotoluene	**95**	**(78 - 117)**			**SW846 8330**
	99	**(78 - 117)**	**3.7**	**(0-24)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	87	(74 - 121)
	88	(74 - 121)

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: BD0017R

TOTAL Metals

Lot-Sample #...: H1J030106-001 Matrix.....: SOLID
Date Sampled...: 10/02/01 Date Received..: 10/03/01
% Moisture.....: 4.7

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280113						
Aluminum	4280	21.0	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1AH
		Dilution Factor: 1		Analysis Time..: 12:10		
Antimony	ND	6.3	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1AJ
		Dilution Factor: 1		Analysis Time..: 12:10		
Arsenic	3.3	1.0	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1AK
		Dilution Factor: 1		Analysis Time..: 12:10		
Barium	51.5	21.0	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1AL
		Dilution Factor: 1		Analysis Time..: 12:10		
Beryllium	0.41 B	0.52	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1AM
		Dilution Factor: 1		Analysis Time..: 12:10		
Cadmium	0.082 B	0.52	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1AN
		Dilution Factor: 1		Analysis Time..: 12:10		
Calcium	7650	525	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1AP
		Dilution Factor: 1		Analysis Time..: 12:10		
Chromium	8.4 J	1.0	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1AQ
		Dilution Factor: 1		Analysis Time..: 12:10		
Cobalt	3.2 B	5.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1AR
		Dilution Factor: 1		Analysis Time..: 12:10		
Copper	8.2	2.6	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1AT
		Dilution Factor: 1		Analysis Time..: 12:10		
Iron	20200	10.5	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1AU
		Dilution Factor: 1		Analysis Time..: 12:10		
Lead	24.7	0.31	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1AV
		Dilution Factor: 1		Analysis Time..: 12:10		
Magnesium	2960	525	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1AW
		Dilution Factor: 1		Analysis Time..: 12:10		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0017R

TOTAL Metals

Lot-Sample #...: H1J030106-001 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	529	1.6	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1AX
		Dilution Factor: 1		Analysis Time..: 12:10		
Nickel	9.3	4.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1A0
		Dilution Factor: 1		Analysis Time..: 12:10		
Potassium	220 B	525	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1A1
		Dilution Factor: 1		Analysis Time..: 12:10		
Selenium	ND	0.52	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1A2
		Dilution Factor: 1		Analysis Time..: 12:10		
Silver	ND	1.0	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1A3
		Dilution Factor: 1		Analysis Time..: 12:10		
Sodium	ND	525	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1A4
		Dilution Factor: 1		Analysis Time..: 12:10		
Thallium	ND	1.0	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1A5
		Dilution Factor: 1		Analysis Time..: 12:10		
Vanadium	21.0	5.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1A6
		Dilution Factor: 1		Analysis Time..: 12:10		
Zinc	52.9	2.1	mg/kg	SW846 6010B	10/08-10/09/01	ELGFT1A7
		Dilution Factor: 1		Analysis Time..: 12:10		
Prep Batch #...: 1281413						
Mercury	0.30	0.035	mg/kg	SW846 7471A	10/09/01	ELGFT1AD
		Dilution Factor: 1		Analysis Time..: 11:26		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0018R

TOTAL Metals

Lot-Sample #...: H1J030106-002 Matrix.....: SOLID
Date Sampled...: 10/02/01 Date Received..: 10/03/01
% Moisture.....: 13

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280113						
Aluminum	6100	23.1	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1AR
		Dilution Factor: 1		Analysis Time..: 12:14		
Antimony	ND	6.9	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1AT
		Dilution Factor: 1		Analysis Time..: 12:14		
Arsenic	3.0	1.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1AU
		Dilution Factor: 1		Analysis Time..: 12:14		
Barium	44.9	23.1	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1AV
		Dilution Factor: 1		Analysis Time..: 12:14		
Beryllium	0.45 B	0.58	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1AW
		Dilution Factor: 1		Analysis Time..: 12:14		
Cadmium	0.11 B	0.58	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1AX
		Dilution Factor: 1		Analysis Time..: 12:14		
Calcium	71300	2890	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1A0
		Dilution Factor: 5		Analysis Time..: 13:41		
Chromium	12.3 J	1.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1A1
		Dilution Factor: 1		Analysis Time..: 12:14		
Cobalt	13.0	5.8	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1A2
		Dilution Factor: 1		Analysis Time..: 12:14		
Copper	17.6	2.9	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1A3
		Dilution Factor: 1		Analysis Time..: 12:14		
Iron	16400	11.5	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1A4
		Dilution Factor: 1		Analysis Time..: 12:14		
Lead	21.5	0.35	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1A5
		Dilution Factor: 1		Analysis Time..: 12:14		
Magnesium	3620	577	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1A6
		Dilution Factor: 1		Analysis Time..: 12:14		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0018R

TOTAL Metals

Lot-Sample #...: H1J030106-002 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	516	1.7	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1A7
		Dilution Factor: 1		Analysis Time..: 12:14		
Nickel	30.1	4.6	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1AA
		Dilution Factor: 1		Analysis Time..: 12:14		
Potassium	2190	577	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1AC
		Dilution Factor: 1		Analysis Time..: 12:14		
Selenium	ND	0.58	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1AD
		Dilution Factor: 1		Analysis Time..: 12:14		
Silver	ND	1.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1AE
		Dilution Factor: 1		Analysis Time..: 12:14		
Sodium	137 B	577	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1AF
		Dilution Factor: 1		Analysis Time..: 12:14		
Thallium	ND	1.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1AG
		Dilution Factor: 1		Analysis Time..: 12:14		
Vanadium	10.1	5.8	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1AH
		Dilution Factor: 1		Analysis Time..: 12:14		
Zinc	47.3	2.3	mg/kg	SW846 6010B	10/08-10/09/01	ELGGG1AJ
		Dilution Factor: 1		Analysis Time..: 12:14		
Prep Batch #...: 1281413						
Mercury	0.059	0.038	mg/kg	SW846 7471A	10/09/01	ELGGG1AM
		Dilution Factor: 1		Analysis Time..: 11:28		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0019R

TOTAL Metals

Lot-Sample #...: H1J030106-003 Matrix.....: SOLID
Date Sampled...: 10/02/01 Date Received..: 10/03/01
% Moisture.....: 14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280113						
Aluminum	6110	23.3	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1AR
		Dilution Factor: 1		Analysis Time..: 12:19		
Antimony	ND	7.0	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1AT
		Dilution Factor: 1		Analysis Time..: 12:19		
Arsenic	2.4	1.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1AU
		Dilution Factor: 1		Analysis Time..: 12:19		
Barium	23.4	23.3	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1AV
		Dilution Factor: 1		Analysis Time..: 12:19		
Beryllium	0.43 B	0.58	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1AW
		Dilution Factor: 1		Analysis Time..: 12:19		
Cadmium	0.073 B	0.58	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1AX
		Dilution Factor: 1		Analysis Time..: 12:19		
Calcium	66700	2910	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1A0
		Dilution Factor: 5		Analysis Time..: 13:45		
Chromium	12.0 J	1.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1A1
		Dilution Factor: 1		Analysis Time..: 12:19		
Cobalt	8.9	5.8	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1A2
		Dilution Factor: 1		Analysis Time..: 12:19		
Copper	14.9	2.9	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1A3
		Dilution Factor: 1		Analysis Time..: 12:19		
Iron	16400	11.6	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1A4
		Dilution Factor: 1		Analysis Time..: 12:19		
Lead	9.8	0.35	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1A5
		Dilution Factor: 1		Analysis Time..: 12:19		
Magnesium	3670	581	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1A6
		Dilution Factor: 1		Analysis Time..: 12:19		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0019R

TOTAL Metals

Lot-Sample #...: H1J030106-003 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	407	1.7	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1A7
		Dilution Factor: 1		Analysis Time..: 12:19		
Nickel	26.9	4.7	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1AA
		Dilution Factor: 1		Analysis Time..: 12:19		
Potassium	2160	581	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1AC
		Dilution Factor: 1		Analysis Time..: 12:19		
Selenium	ND	0.58	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1AD
		Dilution Factor: 1		Analysis Time..: 12:19		
Silver	ND	1.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1AE
		Dilution Factor: 1		Analysis Time..: 12:19		
Sodium	129 B	581	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1AF
		Dilution Factor: 1		Analysis Time..: 12:19		
Thallium	ND	1.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1AG
		Dilution Factor: 1		Analysis Time..: 12:19		
Vanadium	9.6	5.8	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1AH
		Dilution Factor: 1		Analysis Time..: 12:19		
Zinc	44.5	2.3	mg/kg	SW846 6010B	10/08-10/09/01	ELGGH1AJ
		Dilution Factor: 1		Analysis Time..: 12:19		
Prep Batch #...: 1281413						
Mercury	0.020 B	0.038	mg/kg	SW846 7471A	10/09/01	ELGGH1AM
		Dilution Factor: 1		Analysis Time..: 11:30		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0021R

TOTAL Metals

Lot-Sample #...: H1J030106-004 Matrix.....: SOLID
Date Sampled...: 10/02/01 Date Received..: 10/03/01
% Moisture.....: 8.2

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280113						
Aluminum	3950	21.8	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1AR
		Dilution Factor: 1		Analysis Time..: 12:23		
Antimony	ND	6.5	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1AT
		Dilution Factor: 1		Analysis Time..: 12:23		
Arsenic	2.9	1.1	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1AU
		Dilution Factor: 1		Analysis Time..: 12:23		
Barium	12.0 B	21.8	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1AV
		Dilution Factor: 1		Analysis Time..: 12:23		
Beryllium	0.27 B	0.54	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1AW
		Dilution Factor: 1		Analysis Time..: 12:23		
Cadmium	0.083 B	0.54	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1AX
		Dilution Factor: 1		Analysis Time..: 12:23		
Calcium	9510	545	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1A0
		Dilution Factor: 1		Analysis Time..: 12:23		
Chromium	8.2 J	1.1	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1A1
		Dilution Factor: 1		Analysis Time..: 12:23		
Cobalt	3.1 B	5.4	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1A2
		Dilution Factor: 1		Analysis Time..: 12:23		
Copper	10.6	2.7	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1A3
		Dilution Factor: 1		Analysis Time..: 12:23		
Iron	11600	10.9	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1A4
		Dilution Factor: 1		Analysis Time..: 12:23		
Lead	97.6	0.33	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1A5
		Dilution Factor: 1		Analysis Time..: 12:23		
Magnesium	644	545	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1A6
		Dilution Factor: 1		Analysis Time..: 12:23		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0021R

TOTAL Metals

Lot-Sample #...: H1J030106-004 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	122	1.6	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1A7
		Dilution Factor: 1		Analysis Time..: 12:23		
Nickel	8.2	4.4	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1AA
		Dilution Factor: 1		Analysis Time..: 12:23		
Potassium	349 B	545	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1AC
		Dilution Factor: 1		Analysis Time..: 12:23		
Selenium	ND	0.54	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1AD
		Dilution Factor: 1		Analysis Time..: 12:23		
Silver	ND	1.1	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1AE
		Dilution Factor: 1		Analysis Time..: 12:23		
Sodium	ND	545	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1AF
		Dilution Factor: 1		Analysis Time..: 12:23		
Thallium	ND	1.1	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1AG
		Dilution Factor: 1		Analysis Time..: 12:23		
Vanadium	10.1	5.4	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1AH
		Dilution Factor: 1		Analysis Time..: 12:23		
Zinc	56.2	2.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGGJ1AJ
		Dilution Factor: 1		Analysis Time..: 12:23		
Prep Batch #...: 1281413						
Mercury	ND	0.036	mg/kg	SW846 7471A	10/09/01	ELGGJ1AM
		Dilution Factor: 1		Analysis Time..: 11:36		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0022R

TOTAL Metals

Lot-Sample #...: H1J030106-005 Matrix.....: SOLID
Date Sampled...: 10/02/01 Date Received..: 10/03/01
% Moisture.....: 13

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280113						
Aluminum	4970	23.0	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1AR
		Dilution Factor: 1		Analysis Time..: 12:28		
Antimony	ND	6.9	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1AT
		Dilution Factor: 1		Analysis Time..: 12:28		
Arsenic	3.3	1.1	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1AU
		Dilution Factor: 1		Analysis Time..: 12:28		
Barium	43.7	23.0	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1AV
		Dilution Factor: 1		Analysis Time..: 12:28		
Beryllium	0.46 B	0.57	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1AW
		Dilution Factor: 1		Analysis Time..: 12:28		
Cadmium	0.20 B	0.57	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1AX
		Dilution Factor: 1		Analysis Time..: 12:28		
Calcium	151000	2870	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1A0
		Dilution Factor: 5		Analysis Time..: 13:50		
Chromium	9.7 J	1.1	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1A1
		Dilution Factor: 1		Analysis Time..: 12:28		
Cobalt	12.0	5.7	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1A2
		Dilution Factor: 1		Analysis Time..: 12:28		
Copper	15.4	2.9	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1A3
		Dilution Factor: 1		Analysis Time..: 12:28		
Iron	21600	11.5	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1A4
		Dilution Factor: 1		Analysis Time..: 12:28		
Lead	10.1	0.34	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1A5
		Dilution Factor: 1		Analysis Time..: 12:28		
Magnesium	2620	575	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1A6
		Dilution Factor: 1		Analysis Time..: 12:28		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0022R

TOTAL Metals

Lot-Sample #...: H1J030106-005 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	796	1.7	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1A7
		Dilution Factor: 1		Analysis Time..: 12:28		
Nickel	30.2	4.6	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1AA
		Dilution Factor: 1		Analysis Time..: 12:28		
Potassium	2150	575	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1AC
		Dilution Factor: 1		Analysis Time..: 12:28		
Selenium	ND	0.57	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1AD
		Dilution Factor: 1		Analysis Time..: 12:28		
Silver	ND	1.1	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1AE
		Dilution Factor: 1		Analysis Time..: 12:28		
Sodium	251 B	575	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1AF
		Dilution Factor: 1		Analysis Time..: 12:28		
Thallium	ND	1.1	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1AG
		Dilution Factor: 1		Analysis Time..: 12:28		
Vanadium	8.6	5.7	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1AH
		Dilution Factor: 1		Analysis Time..: 12:28		
Zinc	75.6	2.3	mg/kg	SW846 6010B	10/08-10/09/01	ELGGK1AJ
		Dilution Factor: 1		Analysis Time..: 12:28		

Prep Batch #...: 1281413

Mercury	ND	0.038	mg/kg	SW846 7471A	10/09/01	ELGGK1AM
		Dilution Factor: 1		Analysis Time..: 11:37		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0029R

TOTAL Metals

Lot-Sample #...: H1J030106-006 Matrix.....: SOLID
Date Sampled...: 10/02/01 Date Received..: 10/03/01
% Moisture.....: 14

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280113						
Aluminum	10700	23.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1AR
		Dilution Factor: 1		Analysis Time..: 12:32		
Antimony	0.56 B	7.0	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1AT
		Dilution Factor: 1		Analysis Time..: 12:32		
Arsenic	10.3	1.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1AU
		Dilution Factor: 1		Analysis Time..: 12:32		
Barium	102	23.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1AV
		Dilution Factor: 1		Analysis Time..: 12:32		
Beryllium	0.75	0.58	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1AW
		Dilution Factor: 1		Analysis Time..: 12:32		
Cadmium	0.17 B	0.58	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1AX
		Dilution Factor: 1		Analysis Time..: 12:32		
Calcium	6430	581	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1A0
		Dilution Factor: 1		Analysis Time..: 12:32		
Chromium	16.7 J	1.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1A1
		Dilution Factor: 1		Analysis Time..: 12:32		
Cobalt	14.2	5.8	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1A2
		Dilution Factor: 1		Analysis Time..: 12:32		
Copper	22.3	2.9	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1A3
		Dilution Factor: 1		Analysis Time..: 12:32		
Iron	26100	11.6	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1A4
		Dilution Factor: 1		Analysis Time..: 12:32		
Lead	13.0	0.35	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1A5
		Dilution Factor: 1		Analysis Time..: 12:32		
Magnesium	5590	581	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1A6
		Dilution Factor: 1		Analysis Time..: 12:32		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD0029R

TOTAL Metals

Lot-Sample #...: H1J030106-006 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	1500	1.7	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1A7
		Dilution Factor: 1		Analysis Time..: 12:32		
Nickel	37.9	4.6	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1AA
		Dilution Factor: 1		Analysis Time..: 12:32		
Potassium	755	581	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1AC
		Dilution Factor: 1		Analysis Time..: 12:32		
Selenium	ND	0.58	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1AD
		Dilution Factor: 1		Analysis Time..: 12:32		
Silver	ND	1.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1AE
		Dilution Factor: 1		Analysis Time..: 12:32		
Sodium	683	581	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1AF
		Dilution Factor: 1		Analysis Time..: 12:32		
Thallium	0.71 B	1.2	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1AG
		Dilution Factor: 1		Analysis Time..: 12:32		
Vanadium	23.3	5.8	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1AH
		Dilution Factor: 1		Analysis Time..: 12:32		
Zinc	74.9	2.3	mg/kg	SW846 6010B	10/08-10/09/01	ELGGM1AJ
		Dilution Factor: 1		Analysis Time..: 12:32		
Prep Batch #...: 1281413						
Mercury	0.021 B	0.038	mg/kg	SW846 7471A	10/09/01	ELGGM1AM
		Dilution Factor: 1		Analysis Time..: 11:40		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0030R

TOTAL Metals

Lot-Sample #...: H1J030106-007 Matrix.....: SOLID
Date Sampled...: 10/02/01 Date Received..: 10/03/01
% Moisture.....: 26

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1280113						
Aluminum	12500	27.0	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1AR
		Dilution Factor: 1		Analysis Time..: 12:59		
Antimony	ND	8.1	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1AT
		Dilution Factor: 1		Analysis Time..: 12:59		
Arsenic	6.8	1.4	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1AU
		Dilution Factor: 1		Analysis Time..: 12:59		
Barium	94.9	27.0	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1AV
		Dilution Factor: 1		Analysis Time..: 12:59		
Beryllium	0.83	0.68	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1AW
		Dilution Factor: 1		Analysis Time..: 12:59		
Cadmium	0.16 B	0.68	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1AX
		Dilution Factor: 1		Analysis Time..: 12:59		
Calcium	34300	676	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1A0
		Dilution Factor: 1		Analysis Time..: 12:59		
Chromium	19.8 J	1.4	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1A1
		Dilution Factor: 1		Analysis Time..: 12:59		
Cobalt	11.7	6.8	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1A2
		Dilution Factor: 1		Analysis Time..: 12:59		
Copper	18.8	3.4	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1A3
		Dilution Factor: 1		Analysis Time..: 12:59		
Iron	25600	13.5	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1A4
		Dilution Factor: 1		Analysis Time..: 12:59		
Lead	9.6	0.41	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1A5
		Dilution Factor: 1		Analysis Time..: 12:59		
Magnesium	10400	676	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1A6
		Dilution Factor: 1		Analysis Time..: 12:59		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD0030R

TOTAL Metals

Lot-Sample #...: H1J030106-007 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	377	2.0	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1A7
		Dilution Factor: 1		Analysis Time..: 12:59		
Nickel	30.0	5.4	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1AA
		Dilution Factor: 1		Analysis Time..: 12:59		
Potassium	2850	676	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1AC
		Dilution Factor: 1		Analysis Time..: 12:59		
Selenium	ND	0.68	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1AD
		Dilution Factor: 1		Analysis Time..: 12:59		
Silver	ND	1.4	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1AE
		Dilution Factor: 1		Analysis Time..: 12:59		
Sodium	630 B	676	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1AF
		Dilution Factor: 1		Analysis Time..: 12:59		
Thallium	ND	1.4	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1AG
		Dilution Factor: 1		Analysis Time..: 12:59		
Vanadium	23.9	6.8	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1AH
		Dilution Factor: 1		Analysis Time..: 12:59		
Zinc	57.7	2.7	mg/kg	SW846 6010B	10/08-10/09/01	ELGGN1AJ
		Dilution Factor: 1		Analysis Time..: 12:59		
Prep Batch #...: 1281413						
Mercury	ND	0.045	mg/kg	SW846 7471A	10/09/01	ELGGN1AM
		Dilution Factor: 1		Analysis Time..: 11:46		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3024

TOTAL Metals

Lot-Sample #...: H1J030106-008 Matrix.....: WATER
Date Sampled...: 10/02/01 Date Received..: 10/03/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1281424						
Aluminum	**54.6 B**	**200**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELGGQ1AA**
		Dilution Factor: 1		Analysis Time..: 11:11		
Antimony	ND	60.0	ug/L	SW846 6010B	10/09-10/10/01	ELGGQ1AC
		Dilution Factor: 1		Analysis Time..: 11:11		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELGGQ1AD
		Dilution Factor: 1		Analysis Time..: 11:11		
Barium	**916**	**200**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELGGQ1AE**
		Dilution Factor: 1		Analysis Time..: 11:11		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELGGQ1AF
		Dilution Factor: 1		Analysis Time..: 11:11		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELGGQ1AG
		Dilution Factor: 1		Analysis Time..: 11:11		
Calcium	**724000**	**50000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELGGQ1AH**
		Dilution Factor: 10		Analysis Time..: 15:46		
Chromium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELGGQ1AJ
		Dilution Factor: 1		Analysis Time..: 11:11		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELGGQ1AK
		Dilution Factor: 1		Analysis Time..: 11:11		
Copper	ND	25.0	ug/L	SW846 6010B	10/09-10/10/01	ELGGQ1AL
		Dilution Factor: 1		Analysis Time..: 11:11		
Iron	**40.0 B**	**100**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELGGQ1AM**
		Dilution Factor: 1		Analysis Time..: 11:11		
Lead	ND	3.0	ug/L	SW846 6010B	10/09-10/10/01	ELGGQ1AN
		Dilution Factor: 1		Analysis Time..: 11:11		
Magnesium	**534000**	**50000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELGGQ1AP**
		Dilution Factor: 10		Analysis Time..: 15:46		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3024

TOTAL Metals

Lot-Sample #...: H1J030106-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**41.8**	**15.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELGGQ1AQ**
		Dilution Factor: 1		Analysis Time..: 11:11		
Nickel	ND	40.0	ug/L	SW846 6010B	10/09-10/10/01	ELGGQ1AR
		Dilution Factor: 1		Analysis Time..: 11:11		
Potassium	**150000**	**50000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELGGQ1AT**
		Dilution Factor: 10		Analysis Time..: 15:46		
Selenium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELGGQ1AU
		Dilution Factor: 1		Analysis Time..: 11:11		
Silver	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELGGQ1AV
		Dilution Factor: 1		Analysis Time..: 11:11		
Sodium	**2580000**	**50000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELGGQ1AW**
		Dilution Factor: 10		Analysis Time..: 15:46		
Thallium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELGGQ1AX
		Dilution Factor: 1		Analysis Time..: 11:11		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELGGQ1A0
		Dilution Factor: 1		Analysis Time..: 11:11		
Zinc	ND	20.0	ug/L	SW846 6010B	10/09-10/10/01	ELGGQ1A1
		Dilution Factor: 1		Analysis Time..: 11:11		
Prep Batch #...: 1282394						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELGGQ1A2
		Dilution Factor: 1		Analysis Time..: 12:56		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3024

DISSOLVED Metals

Lot-Sample #...: H1J030106-009 Matrix.....: WATER
Date Sampled...: 10/02/01 Date Received..: 10/03/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1282408						
Aluminum	**55.4 B**	**200**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELGGX1AA**
		Dilution Factor: 1		Analysis Time..: 11:40		
Antimony	ND	60.0	ug/L	SW846 6010B	10/10-10/12/01	ELGGX1AC
		Dilution Factor: 1		Analysis Time..: 11:40		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELGGX1AD
		Dilution Factor: 1		Analysis Time..: 11:40		
Barium	**938**	**200**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELGGX1AE**
		Dilution Factor: 1		Analysis Time..: 11:40		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELGGX1AF
		Dilution Factor: 1		Analysis Time..: 11:40		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELGGX1AG
		Dilution Factor: 1		Analysis Time..: 11:40		
Calcium	**720000**	**50000**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELGGX1AH**
		Dilution Factor: 10		Analysis Time..: 16:44		
Chromium	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELGGX1AJ
		Dilution Factor: 1		Analysis Time..: 11:40		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/10-10/12/01	ELGGX1AK
		Dilution Factor: 1		Analysis Time..: 11:40		
Copper	ND	25.0	ug/L	SW846 6010B	10/10-10/12/01	ELGGX1AL
		Dilution Factor: 1		Analysis Time..: 11:40		
Iron	ND	100	ug/L	SW846 6010B	10/10-10/12/01	ELGGX1AM
		Dilution Factor: 1		Analysis Time..: 11:40		
Lead	ND	30.0	ug/L	SW846 6010B	10/10-10/12/01	ELGGX1AN
		Dilution Factor: 10		Analysis Time..: 16:44		
Magnesium	**534000**	**50000**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELGGX1AP**
		Dilution Factor: 10		Analysis Time..: 16:44		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3024

DISSOLVED Metals

Lot-Sample #...: H1J030106-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**37.7**	**15.0**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELGGX1AQ**
		Dilution Factor: 1		Analysis Time..: 11:40		
Nickel	ND	40.0	ug/L	SW846 6010B	10/10-10/12/01	ELGGX1AR
		Dilution Factor: 1		Analysis Time..: 11:40		
Potassium	**149000**	**50000**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELGGX1AT**
		Dilution Factor: 10		Analysis Time..: 16:44		
Selenium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELGGX1AU
		Dilution Factor: 1		Analysis Time..: 11:40		
Silver	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELGGX1AV
		Dilution Factor: 1		Analysis Time..: 11:40		
Sodium	**2560000**	**50000**	**ug/L**	**SW846 6010B**	**10/10-10/12/01**	**ELGGX1AW**
		Dilution Factor: 10		Analysis Time..: 16:44		
Thallium	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELGGX1AX
		Dilution Factor: 1		Analysis Time..: 11:40		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/10-10/12/01	ELGGX1A0
		Dilution Factor: 1		Analysis Time..: 11:40		
Zinc	ND	20.0	ug/L	SW846 6010B	10/10-10/12/01	ELGGX1A1
		Dilution Factor: 1		Analysis Time..: 11:40		
Prep Batch #...: 1282409						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELGGX1A2
		Dilution Factor: 1		Analysis Time..: 12:12		

NOTE(S):

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J030106 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J070000-113 Prep Batch #...: 1280113						
Aluminum	ND	20.0	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AH
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Antimony	ND	6.0	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AJ
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Arsenic	ND	1.0	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AK
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Barium	ND	20.0	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AL
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Beryllium	ND	0.50	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AM
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Cadmium	ND	0.50	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AN
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Calcium	ND	500	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AP
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Chromium	**0.13 B**	**1.0**	**mg/kg**	**SW846 6010B**	**10/08-10/09/01**	**ELP9M1AQ**
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Cobalt	ND	5.0	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AR
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Copper	ND	2.5	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AT
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Iron	ND	10.0	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AU
		Dilution Factor: 1				
		Analysis Time..: 11:52				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J030106 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	0.30	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AV
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Magnesium	ND	500	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AW
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Manganese	ND	1.5	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AX
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Nickel	ND	4.0	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1A0
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Potassium	ND	500	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1A1
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Selenium	ND	0.50	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AA
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Silver	ND	1.0	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AC
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Sodium	ND	500	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AD
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Thallium	ND	1.0	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AE
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Vanadium	ND	5.0	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AF
		Dilution Factor: 1				
		Analysis Time..: 11:52				
Zinc	ND	2.0	mg/kg	SW846 6010B	10/08-10/09/01	ELP9M1AG
		Dilution Factor: 1				
		Analysis Time..: 11:52				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J030106 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J080000-413 **Prep Batch #...:** 1281413						
Mercury	ND	0.033	mg/kg	SW846 7471A	10/09/01	ELQ921AA
		Dilution Factor: 1				
		Analysis Time..: 11:17				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J030106 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J080000-424 **Prep Batch #...:** 1281424						
Aluminum	ND	200	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AA
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Antimony	ND	60.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AC
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AD
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Barium	ND	200	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AE
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AF
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AG
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Calcium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AH
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Chromium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AJ
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AK
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Copper	ND	25.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AL
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Iron	ND	100	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AM
		Dilution Factor: 1				
		Analysis Time..: 10:49				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J030106 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AN
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Magnesium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AP
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Manganese	ND	15.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AQ
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Nickel	ND	40.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AR
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Potassium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AT
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Selenium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AU
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Silver	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AV
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Sodium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AW
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Thallium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AX
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1A0
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Zinc	ND	20.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1A1
		Dilution Factor: 1				
		Analysis Time..: 10:49				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J030106 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J090000-394 **Prep Batch #...:** 1282394						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELT7K1AA
		Dilution Factor: 1				
		Analysis Time..: 12:40				

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J030106 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J090000-408 Prep Batch #...: 1282408						
Aluminum	ND	200	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AA
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Antimony	ND	60.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AC
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AD
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Barium	ND	200	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AE
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AF
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AG
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Calcium	ND	5000	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AH
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Chromium	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AJ
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AK
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Copper	ND	25.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AL
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Iron	ND	100	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AM
		Dilution Factor: 1				
		Analysis Time..: 10:47				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J030106 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AN
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Magnesium	ND	5000	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AP
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Manganese	ND	15.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AQ
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Nickel	ND	40.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AR
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Potassium	ND	5000	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AT
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Selenium	ND	5.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AU
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Silver	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AV
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Sodium	ND	5000	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AW
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Thallium	ND	10.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1AX
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1A0
		Dilution Factor: 1				
		Analysis Time..: 10:47				
Zinc	ND	20.0	ug/L	SW846 6010B	10/10-10/12/01	ELT9P1A1
		Dilution Factor: 1				
		Analysis Time..: 10:47				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J030106 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J090000-409 **Prep Batch #...:** 1282409						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELT9V1AA
		Dilution Factor: 1				
		Analysis Time..: 12:00				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J030106 Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J070000-113 Prep Batch #...: 1280113							
Aluminum	200	195	mg/kg	97	SW846 6010B	10/08-10/09/01	ELP9M1A8
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Antimony	50.0	47.9	mg/kg	96	SW846 6010B	10/08-10/09/01	ELP9M1A9
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Arsenic	200	193	mg/kg	97	SW846 6010B	10/08-10/09/01	ELP9M1CA
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Barium	200	199	mg/kg	99	SW846 6010B	10/08-10/09/01	ELP9M1CC
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Beryllium	5.00	5.22	mg/kg	104	SW846 6010B	10/08-10/09/01	ELP9M1CD
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Cadmium	5.00	4.97	mg/kg	99	SW846 6010B	10/08-10/09/01	ELP9M1CE
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Calcium	5000	5000	mg/kg	100	SW846 6010B	10/08-10/09/01	ELP9M1CF
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Chromium	20.0	20.3	mg/kg	101	SW846 6010B	10/08-10/09/01	ELP9M1CG
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Cobalt	50.0	50.3	mg/kg	101	SW846 6010B	10/08-10/09/01	ELP9M1CH
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Copper	25.0	25.2	mg/kg	101	SW846 6010B	10/08-10/09/01	ELP9M1CJ
			Dilution Factor: 1				
			Analysis Time..: 11:57				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J030106 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	100	101	mg/kg	101	SW846 6010B	10/08-10/09/01	ELP9M1CK
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Lead	50.0	49.4	mg/kg	99	SW846 6010B	10/08-10/09/01	ELP9M1CL
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Magnesium	5000	4820	mg/kg	96	SW846 6010B	10/08-10/09/01	ELP9M1CM
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Manganese	50.0	51.2	mg/kg	102	SW846 6010B	10/08-10/09/01	ELP9M1CN
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Nickel	50.0	49.9	mg/kg	100	SW846 6010B	10/08-10/09/01	ELP9M1CP
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Potassium	5000	4540	mg/kg	91	SW846 6010B	10/08-10/09/01	ELP9M1CQ
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Selenium	200	188	mg/kg	94	SW846 6010B	10/08-10/09/01	ELP9M1A2
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Silver	5.00	4.93	mg/kg	99	SW846 6010B	10/08-10/09/01	ELP9M1A3
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Sodium	5000	4820	mg/kg	96	SW846 6010B	10/08-10/09/01	ELP9M1A4
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Thallium	200	198	mg/kg	99	SW846 6010B	10/08-10/09/01	ELP9M1A5
			Dilution Factor: 1				
			Analysis Time..: 11:57				
Vanadium	50.0	50.6	mg/kg	101	SW846 6010B	10/08-10/09/01	ELP9M1A6
			Dilution Factor: 1				
			Analysis Time..: 11:57				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J030106 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	50.0	51.1	mg/kg	102	SW846 6010B	10/08-10/09/01	ELP9M1A7
			Dilution Factor: 1				
			Analysis Time..: 11:57				

LCS Lot-Sample#: H1J080000-413 **Prep Batch #...:** 1281413

Mercury	0.833	0.840	mg/kg	101	SW846 7471A	10/09/01	ELQ921AC
			Dilution Factor: 1				
			Analysis Time..: 11:19				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J030106 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J080000-424 **Prep Batch #...:** 1281424							
Aluminum	2000	1980	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1A2
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Antimony	500	490	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A3
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Arsenic	2000	1980	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1A4
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Barium	2000	1960	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A5
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Beryllium	50.0	50.9	ug/L	102	SW846 6010B	10/09-10/10/01	ELRCX1A6
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Cadmium	50.0	48.8	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A7
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Calcium	50000	48700	ug/L	97	SW846 6010B	10/09-10/10/01	ELRCX1A8
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Chromium	200	196	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A9
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Cobalt	500	495	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CA
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Copper	250	245	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CC
			Dilution Factor: 1				
			Analysis Time..: 10:53				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J030106 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	978	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CD
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Lead	500	492	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CE
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Magnesium	50000	48400	ug/L	97	SW846 6010B	10/09-10/10/01	ELRCX1CF
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Manganese	500	499	ug/L	100	SW846 6010B	10/09-10/10/01	ELRCX1CG
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Nickel	500	493	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CH
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Potassium	50000	48800	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CJ
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Selenium	2000	2030	ug/L	101	SW846 6010B	10/09-10/10/01	ELRCX1CK
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Silver	50.0	48.2	ug/L	96	SW846 6010B	10/09-10/10/01	ELRCX1CL
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Sodium	50000	50000	ug/L	100	SW846 6010B	10/09-10/10/01	ELRCX1CM
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Thallium	2000	1980	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CN
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Vanadium	500	494	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CP
			Dilution Factor: 1				
			Analysis Time..: 10:53				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J030106 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	519	ug/L	104	SW846 6010B	10/09-10/10/01	ELRCX1CQ

Dilution Factor: 1
Analysis Time..: 10:53

LCS Lot-Sample#: H1J090000-394 **Prep Batch #...:** 1282394

Mercury	0.00500	0.00508	mg/L	102	SW846 7470A	10/10/01	ELT7K1AC

Dilution Factor: 1
Analysis Time..: 12:46

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J030106 **Matrix.....:** WATER

LCS Lot-Sample#: H1J090000-408 **Prep Batch #...:** 1282408

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum	2000	2000	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A2
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Antimony	500	495	ug/L	99	SW846 6010B	10/10-10/12/01	ELT9P1A3
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Arsenic	2000	2010	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A4
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Barium	2000	1990	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A5
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Beryllium	50.0	52.0	ug/L	104	SW846 6010B	10/10-10/12/01	ELT9P1A6
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Cadmium	50.0	50.1	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A7
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Calcium	50000	49900	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A8
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Chromium	200	201	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1A9
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Cobalt	500	505	ug/L	101	SW846 6010B	10/10-10/12/01	ELT9P1CA
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Copper	250	245	ug/L	98	SW846 6010B	10/10-10/12/01	ELT9P1CC
			Dilution Factor: 1				
			Analysis Time..: 10:51				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J030106 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	982	ug/L	98	SW846 6010B	10/10-10/12/01	ELT9P1CD
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Lead	500	504	ug/L	101	SW846 6010B	10/10-10/12/01	ELT9P1CE
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Magnesium	50000	49600	ug/L	99	SW846 6010B	10/10-10/12/01	ELT9P1CF
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Manganese	500	509	ug/L	102	SW846 6010B	10/10-10/12/01	ELT9P1CG
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Nickel	500	507	ug/L	101	SW846 6010B	10/10-10/12/01	ELT9P1CH
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Potassium	50000	49100	ug/L	98	SW846 6010B	10/10-10/12/01	ELT9P1CJ
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Selenium	2000	2070	ug/L	103	SW846 6010B	10/10-10/12/01	ELT9P1CK
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Silver	50.0	49.4	ug/L	99	SW846 6010B	10/10-10/12/01	ELT9P1CL
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Sodium	50000	50100	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1CM
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Thallium	2000	2010	ug/L	100	SW846 6010B	10/10-10/12/01	ELT9P1CN
			Dilution Factor: 1				
			Analysis Time..: 10:51				
Vanadium	500	504	ug/L	101	SW846 6010B	10/10-10/12/01	ELT9P1CP
			Dilution Factor: 1				
			Analysis Time..: 10:51				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J030106 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	529	ug/L	106	SW846 6010B	10/10-10/12/01	ELT9P1CQ
			Dilution Factor: 1				
			Analysis Time..: 10:51				

LCS Lot-Sample#: H1J090000-409 **Prep Batch #...:** 1282409

Mercury	0.00500	0.00516	mg/L	103	SW846 7470A	10/10/01	ELT9V1AC
			Dilution Factor: 1				
			Analysis Time..: 12:02				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J030106 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J070000-113 **Prep Batch #...:** 1280113					
Aluminum	97	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:57	10/08-10/09/01	ELP9M1A8
Antimony	96	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:57	10/08-10/09/01	ELP9M1A9
Arsenic	97	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:57	10/08-10/09/01	ELP9M1CA
Barium	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:57	10/08-10/09/01	ELP9M1CC
Beryllium	104	(90 - 112)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:57	10/08-10/09/01	ELP9M1CD
Cadmium	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:57	10/08-10/09/01	ELP9M1CE
Calcium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:57	10/08-10/09/01	ELP9M1CF
Chromium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:57	10/08-10/09/01	ELP9M1CG
Cobalt	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:57	10/08-10/09/01	ELP9M1CH
Copper	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:57	10/08-10/09/01	ELP9M1CJ

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J030106 Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	101	(90 - 110)	SW846 6010B	10/08-10/09/01	ELP9M1CK
		Dilution Factor: 1			
		Analysis Time..: 11:57			
Lead	99	(90 - 110)	SW846 6010B	10/08-10/09/01	ELP9M1CL
		Dilution Factor: 1			
		Analysis Time..: 11:57			
Magnesium	96	(89 - 110)	SW846 6010B	10/08-10/09/01	ELP9M1CM
		Dilution Factor: 1			
		Analysis Time..: 11:57			
Manganese	102	(90 - 110)	SW846 6010B	10/08-10/09/01	ELP9M1CN
		Dilution Factor: 1			
		Analysis Time..: 11:57			
Nickel	100	(90 - 110)	SW846 6010B	10/08-10/09/01	ELP9M1CP
		Dilution Factor: 1			
		Analysis Time..: 11:57			
Potassium	91	(84 - 110)	SW846 6010B	10/08-10/09/01	ELP9M1CQ
		Dilution Factor: 1			
		Analysis Time..: 11:57			
Selenium	94	(87 - 110)	SW846 6010B	10/08-10/09/01	ELP9M1A2
		Dilution Factor: 1			
		Analysis Time..: 11:57			
Silver	99	(90 - 110)	SW846 6010B	10/08-10/09/01	ELP9M1A3
		Dilution Factor: 1			
		Analysis Time..: 11:57			
Sodium	96	(88 - 110)	SW846 6010B	10/08-10/09/01	ELP9M1A4
		Dilution Factor: 1			
		Analysis Time..: 11:57			
Thallium	99	(90 - 110)	SW846 6010B	10/08-10/09/01	ELP9M1A5
		Dilution Factor: 1			
		Analysis Time..: 11:57			
Vanadium	101	(90 - 110)	SW846 6010B	10/08-10/09/01	ELP9M1A6
		Dilution Factor: 1			
		Analysis Time..: 11:57			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J030106 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	102	(90 - 110)	SW846 6010B	10/08-10/09/01	ELP9M1A7
		Dilution Factor: 1			
		Analysis Time..: 11:57			

LCS Lot-Sample#: H1J080000-413 **Prep Batch #...:** 1281413

Mercury	101	(90 - 110)	SW846 7471A	10/09/01	ELQ921AC
		Dilution Factor: 1			
		Analysis Time..: 11:19			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J030106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J080000-424 **Prep Batch #...:** 1281424					
Aluminum	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A2
Antimony	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A3
Arsenic	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A4
Barium	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A5
Beryllium	102	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A6
Cadmium	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A7
Calcium	97	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A8
Chromium	98	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A9
Cobalt	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CA
Copper	98	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CC

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J030106 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CD
Lead	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CE
Magnesium	97	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CF
Manganese	100	(90 - 111)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CG
Nickel	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CH
Potassium	98	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CJ
Selenium	101	(90 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CK
Silver	96	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CL
Sodium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CM
Thallium	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CN
Vanadium	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CP

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J030106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	104	(90 - 115)	SW846 6010B	10/09-10/10/01	ELRCX1CQ
		Dilution Factor: 1			
		Analysis Time..: 10:53			

LCS Lot-Sample#: H1J090000-394 **Prep Batch #...:** 1282394

Mercury	102	(90 - 110)	SW846 7470A	10/10/01	ELT7K1AC
		Dilution Factor: 1			
		Analysis Time..: 12:46			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J030106 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J090000-408 Prep Batch #...: 1282408					
Aluminum	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A2
Antimony	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A3
Arsenic	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A4
Barium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A5
Beryllium	104	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A6
Cadmium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A7
Calcium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A8
Chromium	100	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1A9
Cobalt	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CA
Copper	98	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CC

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J030106 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CD
Lead	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CE
Magnesium	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CF
Manganese	102	(90 - 111)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CG
Nickel	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CH
Potassium	98	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CJ
Selenium	103	(90 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CK
Silver	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CL
Sodium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CM
Thallium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CN
Vanadium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:51	10/10-10/12/01	ELT9P1CP

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J030106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	106	(90 - 115)	SW846 6010B	10/10-10/12/01	ELT9P1CQ
		Dilution Factor: 1			
		Analysis Time..: 10:51			

LCS Lot-Sample#: H1J090000-409 **Prep Batch #...:** 1282409

Mercury	103	(90 - 110)	SW846 7470A	10/10/01	ELT9V1AC
		Dilution Factor: 1			
		Analysis Time..: 12:02			

NOTE(S):

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

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3024

General Chemistry

Lot-Sample #...: H1J030106-008 Work Order #...: ELGGQ Matrix.....: WATER
Date Sampled...: 10/02/01 Date Received..: 10/03/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	9450	100	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 100				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/10/01	1284474
		Dilution Factor: 1				
Hardness, as CaCO3	3980	125	mg/L	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 25				
Nitrate	ND	0.10	mg/L	MCAWW 353.2	10/03/01	1281599
		Dilution Factor: 1				
Sulfate	56.5	10.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 2				
Total Alkalinity	170 J	5.0	mg/L	MCAWW 310.1	10/04/01	1282412
		Dilution Factor: 1				
Total Dissolved Solids	13400	200	mg/L	MCAWW 160.1	10/04-10/08/01	1277353
		Dilution Factor: 20				
Total Organic Carbon	2.5 B	1.0	mg/L	SW846 9060	10/31/01	1305138
		Dilution Factor: 1				
Total Suspended Solids	33.0	4.0	mg/L	MCAWW 160.2	10/04-10/05/01	1277348
		Dilution Factor: 1				
Turbidity	99.2 J	2.0	NTU	MCAWW 180.1	10/03/01	1276556
		Dilution Factor: 4				

NOTE(S):

RL Reporting Limit

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1J030106 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JN1AA		MB Lot-Sample #:	A1J140000-109	
	ND	1.0	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 1				
Cyanide, Total		Work Order #: EL1NV1AA		MB Lot-Sample #:	H1J110000-474	
	ND	0.010	mg/L	SW846 9012A	10/10/01	1284474
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: EMLPV1AA		MB Lot-Sample #:	A1J230000-365	
	ND	5.0	mg/L	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 1				
Nitrate		Work Order #: ELR2F1AA		MB Lot-Sample #:	A1J080000-599	
	ND	0.10	mg/L	MCAWW 353.2	10/03/01	1281599
		Dilution Factor: 1				
Sulfate		Work Order #: EL8KW1AA		MB Lot-Sample #:	A1J160000-369	
	ND	5.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1				
Total Alkalinity		Work Order #: ELT941AA		MB Lot-Sample #:	A1J090000-412	
	3.9 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/04/01**	**1282412**
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: ELQ4H1AA		MB Lot-Sample #:	A1J040000-353	
	ND	10.0	mg/L	MCAWW 160.1	10/04-10/08/01	1277353
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: EM52N1AA		MB Lot-Sample #:	A1K010000-138	
	ND	1.0	mg/L	SW846 9060	10/31/01	1305138
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: ELQD51AA		MB Lot-Sample #:	A1J040000-348	
	ND	4.0	mg/L	MCAWW 160.2	10/04-10/05/01	1277348
		Dilution Factor: 1				
Turbidity		Work Order #: ELLGL1AA		MB Lot-Sample #:	A1J030000-556	
	0.030 B	**0.50**	**NTU**	**MCAWW 180.1**	**10/03/01**	**1276556**
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J030106 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated			Work Order #: EL5JN1AC		LCS Lot-Sample#:	A1J140000-109	
	124	115	mg/L	93	MCAWW 325.2	10/14/01	1287109
			Dilution Factor: 1				
Cyanide, Total			Work Order #: EL1NV1AC		LCS Lot-Sample#:	H1J110000-474	
	0.200	0.189	mg/L	94	SW846 9012A	10/10/01	1284474
			Dilution Factor: 1				
Hardness, as CaCO3			Work Order #: EMLPV1AC		LCS Lot-Sample#:	A1J230000-365	
	224	233	mg/L	104	MCAWW 130.2	10/23/01	1296365
			Dilution Factor: 1				
Nitrate			Work Order #: ELR2F1AC		LCS Lot-Sample#:	A1J080000-599	
	0.500	0.595 N	mg/L	119	MCAWW 353.2	10/03/01	1281599
			Dilution Factor: 1				
Sulfate			Work Order #: EL8KW1AC		LCS Lot-Sample#:	A1J160000-369	
	18.3	19.6	mg/L	107	MCAWW 375.4	10/16/01	1289369
			Dilution Factor: 1				
Total Alkalinity			Work Order #: ELT941AC		LCS Lot-Sample#:	A1J090000-412	
	18.3	18.4	mg/L	100	MCAWW 310.1	10/04/01	1282412
			Dilution Factor: 1				
Total Dissolved Solids			Work Order #: ELQ4H1AC		LCS Lot-Sample#:	A1J040000-353	
	281	289	mg/L	103	MCAWW 160.1	10/04-10/08/01	1277353
			Dilution Factor: 1				
Total Organic Carbon			Work Order #: EM52N1AC		LCS Lot-Sample#:	A1K010000-138	
	50.4	47.9	mg/L	95	SW846 9060	10/31/01	1305138
			Dilution Factor: 1				
Total Suspended Solids			Work Order #: ELQD51AC		LCS Lot-Sample#:	A1J040000-348	
	66.2	67.0	mg/L	101	MCAWW 160.2	10/04-10/05/01	1277348
			Dilution Factor: 1				
Turbidity			Work Order #: ELLGL1AC		LCS Lot-Sample#:	A1J030000-556	
	1.00	1.06	NTU	106	MCAWW 180.1	10/03/01	1276556
			Dilution Factor: 1				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J030106 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #

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

General Chemistry

Client Lot #...: H1J030106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JN1AC		LCS Lot-Sample#: A1J140000-109	
	93	(90 - 115)	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 1			
Cyanide, Total		Work Order #: EL1NV1AC		LCS Lot-Sample#: H1J110000-474	
	94	(88 - 113)	SW846 9012A	10/10/01	1284474
		Dilution Factor: 1			
Hardness, as CaCO3		Work Order #: EMLPV1AC		LCS Lot-Sample#: A1J230000-365	
	104	(84 - 116)	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 1			
Nitrate		Work Order #: ELR2F1AC		LCS Lot-Sample#: A1J080000-599	
	119 N	(77 - 116)	MCAWW 353.2	10/03/01	1281599
		Dilution Factor: 1			
Sulfate		Work Order #: EL8KW1AC		LCS Lot-Sample#: A1J160000-369	
	107	(80 - 112)	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1			
Total Alkalinity		Work Order #: ELT941AC		LCS Lot-Sample#: A1J090000-412	
	100	(90 - 127)	MCAWW 310.1	10/04/01	1282412
		Dilution Factor: 1			
Total Dissolved Solids		Work Order #: ELQ4H1AC		LCS Lot-Sample#: A1J040000-353	
	103	(69 - 120)	MCAWW 160.1	10/04-10/08/01	1277353
		Dilution Factor: 1			
Total Organic Carbon		Work Order #: EM52N1AC		LCS Lot-Sample#: A1K010000-138	
	95	(88 - 115)	SW846 9060	10/31/01	1305138
		Dilution Factor: 1			
Total Suspended Solids		Work Order #: ELQD51AC		LCS Lot-Sample#: A1J040000-348	
	101	(66 - 119)	MCAWW 160.2	10/04-10/05/01	1277348
		Dilution Factor: 1			
Turbidity		Work Order #: ELLGL1AC		LCS Lot-Sample#: A1J030000-556	
	106	(75 - 125)	MCAWW 180.1	10/03/01	1276556
		Dilution Factor: 1			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: H1J030106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

Sample Receipt Documentation

H15030106

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100201STL-K

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Keesler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/02/01
Laboratory Destination: STL - Knoxville
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 830345879060

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD0017R	Soil	10/02/01 09:45	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
BD0018R	Soil	10/02/01 10:25	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
BD0019R	Soil	10/02/01 10:25	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		Custody seals intact
BD0021R	Soil	10/02/01 11:15	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		Stored at 3°C
BD0022R	Soil	10/02/01 11:20	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		DISD 10-3-01
BD0029R	Soil	10/02/01 08:37	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives	FEDX #	830345879060
BD0030R	Soil	10/02/01 08:50	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
BD3024	Water	10/02/01 14:35	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide	pH<2 pH7	PRESERVED TO pH<2 AT LAB WITH NaOH DISD 10-3-01

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: 21 DAYS Rush: ____

Level of QC Required:
I. ____ II. ____ III. ____ Project Specific: ____

1. Relinquished by:	Date: 10/02/01	1. Received by:	Date: 10-3-01
	Time: 17:50		Time: 08:30
2. Relinquished by:	Date:	2. Received by:	Date:
	Time:		Time:
3. Relinquished by:	Date:	2. Received by:	Date:
	Time:		Time:

Comments:

H15030106

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100201STL-K

roject Name/No.: Plumbrook Ordinace Works / 825635 Laboratory Destination: STL - Knoxville Sample Shipment Date: 10/02/01

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
TB100201A	Water	10/02/01 17:00	VOA Vials	80 ml	ICE	Volatiles		
Hugh Adams		10/2/01	17:50					

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STL KNOXVILLE
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Page 1 of 2

CLIENT: IT CORP PROJECT: PBOW Lot No.: H1J030106

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?	✓		
(NOTE: North Carolina, 1668, 1613B have 0-4°C requirement)			
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 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 Jameson DATE: 10-3-01

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 44281			
b. Informed Login associates of special instructions ?			X
2. If custody seals were missing/not intact, was client notified?			X

PROJECT MANAGER : gm DATE: 10/4/01

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
BD3024	9012	4E	RECEIVED AT PH7
↓	8260	2E	1 OF 3 RECEIVED WITH HEADSPACE

☒ Client informed on 10/4/01 by Conference. Person contacted: M McMyler; V. Graves
☐ Noted actions in comments section above.
☒ No action necessary; process as is.
Project Manager: gm Date: 10/4/01

STL KNOXVILLE
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 received with < ½ holding time remaining
	4e Sample preservative: _____
	4f 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): _____

STL KNOXVILLE

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT PROJECT: PBOW Lot No.: HIJ030106

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?	X		
b. Was RFA/COC signed upon receipt, including date/time?	X		
c. Is preservative check (pH) noted on RFA/COC?	X		
d. Is cooler temperature & custody seal condition noted on COC?	X		
2. Log-in (Lot Folder) Review:			
a. Do client IDs on Client Summaries match RFA/COC?	X		
b. Were tests/parameters assigned correctly?	X		
c. Were correct analytical and report due dates assigned?	X		
d. Has the correct fax due date been assigned to the lot?			X
e. Is the correct report format noted in the lot summary?	X		
f. Is percent moisture logged for samples requiring this analysis?	X		
g. Are client assigned QC samples properly defined?			X
3. Contract/Subcontract Review:			
a. Is there a contract number or PO for this work?			X
b If the purchase order number is given, is it noted in Lot header?			X
c. If samples were subcontracted, was copy of COC in folder?			
4. SDG Review:			
a. If SDG is required, is SDG form in Lot folder?			X
b Is SDG number noted in Lot header & sample comments?			X
c. If SDG is complete, has the due date been revised & marked closed?			X
5. Checklist Review:			
a. Has Sample Receipt Checklist been filled-out?	X		
b. Was there a CUR?	X		
c. Were all issues resolved?			X

LOT FOLDER REVIEWED BY: [signature] DATE: 10/5/01

1-HJ030106

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100201STL-N

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Keesler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/02/01
Laboratory Destination: STL - North Canton
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 830345879070

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD3024	Water	10/02/01 14:35	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		

Special Instructions:

Possible Hazard Identification: Use caution when handling.

Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:

Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:

Normal: ____ Rush: ____

Level of QC Required:

I. ____ II. ____ III. ____ Project Specific:

1. Relinquished by:	Date: 10-02-01	1. Received by:	Date: 10-3-01
	Time: 17:50		Time: 0945
2. Relinquished by:	Date:	2. Received by:	Date:
	Time:		Time:
3. Relinquished by:	Date:	2. Received by:	Date:
	Time:		Time:

Comments: Please disregard laboratory reference on bottle labels.

STL Cooler Receipt Form/Narrative
North Canton Facility

Client: It corp Project: _____ Quote#: _____
Cooler Received on: 10-3-01 Opened on: 10-3-01 by: _____ (Signature)

Fedx [X] Client Drop Off [ ] UPS [ ] Airborne [ ] Other: _____

Cooler [ ] Safe [ ] Foam Box [ ] Client Cooler [X] Other: _____
STL Shipper No#: _____

1. Were custody seals on the outside of the cooler and intact? Yes [X] No [ ]
   If YES, Quantity 2 Location cooler lid
   Were the custody seals signed and dated? Yes [X] No [ ] NA [ ]
2. Shipper's packing slip attached to this form? Yes [X] No [ ]
3. Were custody papers included inside the cooler and relinquished? Yes [X] No [ ]
4. Did you sign the custody papers in the appropriate place? Yes [X] No [ ]
5. Packing material used:
   Peanuts [ ] Bubble Wrap [X] Vermiculite [ ] Foam [ ] None [ ] Other: _____
6. Cooler temperature upon receipt 17 °C (see back of form for multiple coolers/temp)
   METHOD: Temperature Vial [X] Between Coolant & Sample Container [ ] Against Bottles [ ]
   COOLANT: Wet Ice [X] Blue Ice [ ] Dry Ice [ ] Water [ ] None [ ]
7. Were all the bottles sealed in separate plastic bags? Yes [ ] No [X]
8. Did all bottles arrive in good condition (Unbroken)? Yes [X] No [ ]
9. Did all bottle labels and tags agree with the custody papers? Yes [X] No [ ]
10. Were samples at the correct pH? Yes [X] No [ ] NA [ ]
11. Were correct bottles used for the tests indicated? Yes [X] No [ ]
12. Were air bubbles >6 mm in any VOA vials? Yes [ ] No [ ] NA [X]
13. Was a sufficient amount of sample sent in each bottle? Yes [X] No [ ]

Contacted PM _____ Date: _____ by: _____ via Voice Mail [ ] Verbal [ ] Other [ ]
Concerning:

√	MACRO	MACRO
1. CHAIN OF CUSTODY		
	SR1A	Samples were received under proper custody procedures and without discrepancies.
	SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred _____
2. SAMPLE CONDITION		
	SR2A	Sample(s) _____ were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) _____ were received with insufficient volume
	SR2C	Sample(s) _____ were received in a broken container.
3. SAMPLE PRESERVATION		
	SR3A	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s).
	SR3B	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
4. NCM		
	SR4A	NCM has been generated. Refer to Clouseau for details
5. Other Anomalies (see below or back)		

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
BD 3024	<2	10-3-01	[illegible]

Cooler	Temp	Method	Comments

Discrepancies Cont.

Macro Name:

Macro Name:

Macro Name:

Macro Name:

Other Anomalies:

SEVERN
TRENT
SERVICES

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921-5947

Tel: 865-291-3000
Fax: 865-584-4315
www.stl-inc.com

ANALYTICAL REPORT

PBOW

Lot #: H1J040177

Maureen McMyler

IT Corporation - Knoxville
312 Directors Drive
Knoxville, TN 37923

SEVERN TRENT LABORATORIES, INC.

Jamie A. McKinney
Project Manager

November 7, 2001

H1J040177 Sample Data Summary **1**

Sample Receipt Documentation **109**

Volatiles **119**
Raw Sample Data 120
Standards Data 235
Raw QC Data 298
Miscellaneous Data 359

Semi-Volatiles **368**
Raw Sample Data 369
Standards Data 508
Raw QC Data 595
Miscellaneous Data 624

Explosives **631**
Raw Sample Data 632
Standards Data 652
Raw QC Data 735
Miscellaneous Data 743

Metals **748**
Sample Results 749
QC Summary 768
Quality Control Results SuperTrace ICP 787
Quality Control Results Mercury 850
Raw Data SuperTrace ICP 878
Raw Data Mercury 1493
Miscellaneous Data 1529

Wet Chemistry **1551**
Sample Summary 1552
QC Summary 1558
Raw Data 1567
Miscellaneous Data 1924

Sample Receipt Documentation **1930**

Total Number of Pages **1939**

SAMPLE SUMMARY

H1J040177

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ELKAA	001	BD3035	10/03/01	09:15
ELKAF	002	BD3035	10/03/01	09:15
ELKAL	003	BD3034	10/03/01	16:45
ELKAT	004	BD3017	10/03/01	15:15
ELKA0	005	BD3017	10/03/01	15:15
ELKA3	006	BD3021	10/03/01	15:00
ELKA5	007	BD3021	10/03/01	15:00
ELKA6	008	BD3008	10/03/01	10:20
ELKA8	009	BD3008	10/03/01	10:20
ELKCA	010	TB100301A	10/03/01	18:00

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.

ANALYTICAL METHODS SUMMARY

H1J040177

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate	MCAWW 353.2
Nitrate as N	MCAWW 300.0A
Nitroaromatics and Nitramines by HPLC	SW846 8330
Non-Filterable Residue (TSS)	MCAWW 160.2
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Sulfate	MCAWW 375.4
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	SW846 9060
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Turbidity (Nephelometric)	MCAWW 180.1
Volatile Organics by GC/MS	SW846 8260B

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
H1J040177

The results reported herein are applicable to the samples submitted for analysis only.

The original chain of custody documentation is included with this report.

Sample Receipt

The cyanide portions of samples BD3017, BD3021, and BD3008 were received at a pH of 11. The samples were preserved by laboratory personnel.

The metals portion of samples BD3035 (unfiltered), BD3034 (unfiltered), and BD3017 (unfiltered and filtered) were received at a pH of 8. The samples were preserved by laboratory personnel.

All the volatile containers for sample BD3017 were received with headspace.

One of three volatile containers for sample BD3021 testing was received with headspace.

Sample Trip Blank did not have a collection date or time noted on the sample label.

Subcontract

The following analyses were performed by STL North Canton Laboratory, 4101 Shuffel Drive, NW, North Canton, OH 44720: Hardness (MCAAW 130.2), Total Dissolved Solids (MCAAW 160.1), Total Suspended Solids (MCAAW 160.2), Turbidity (MCAAW 180.1), Nitrate (MCAAW 300.0A), Alkalinity (MCAAW 310.1), Chloride (MCAAW 325.2), Nitrate (MCAAW 353.2), Sulfate (MCAAW 375.4), and Total Organic Carbon (SW846 9060).

Quality Control

Unless otherwise noted, all holding times and QC criteria were met. The test results shown in this report meet all applicable NELAC requirements. Any exceptions are noted below.

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PROJECT NARRATIVE
H1J040177

Volatiles

Samples BD3017, BD3021 and BD3008 were reported with elevated reporting limits for all analytes due to the presence of non-target compounds. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

Explosives

Due to sample matrix interferences, estimated results below the reporting limit were not reported for some analytes. The result was qualified with an "I" flag to indicate the presence of matrix interferences.

Metals

The serial dilution of sample BD3034 was outside control limits for potassium due to physical or chemical matrix interferences.

The serial dilution of batch sample BD3027 was outside control limits for potassium due to physical or chemical matrix interferences.

A batch matrix spike/matrix spike duplicate was analyzed using a sample from this lot. The recoveries were outside control limits for aluminium and iron. 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. Recoveries for aluminium and iron were not calculated due to high analyte concentrations in the sample relative to the spike level.

Cyanide

The standards and samples BD3008, BD3017, and BD3021 were treated with bismuth nitrate to remove sulfide prior to distillation.

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PROJECT NARRATIVE
H1J040177

Nitrate

Due to a laboratory error, the samples were analyzed using method 300.0A. The client was notified (V. Graves, 10/1101) and instructed the laboratory to analyze the samples using method 353.2 and report both sets of data. The samples were analyzed using method 353.2 outside of the recommended holding. Both sets of data were reported.

Total Organic Carbon

One of the CCBs was above the reporting limit. However, the next two CCBs were below the reporting limit, and all other QC was within range.

Sulfate

The CCV for sample BD3008 was outside of control limits. However, since the recovery was high and the ion was not detected in the sample, the data should not be affected.

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Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3035

GC/MS Volatiles

Lot-Sample #...: H1J040177-001 Work Order #...: ELKAA1A4 Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01
Prep Date.....: 10/09/01 Analysis Date..: 10/09/01
Prep Batch #...: 1282252
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	**3.7 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	90	(80 - 120)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	95	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3035

GC/MS Volatiles

Lot-Sample #...: H1J040177-001 Work Order #...: ELKAA1A4 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3034

GC/MS Volatiles

Lot-Sample #...: H1J040177-003 **Work Order #...:** ELKAL1A4 **Matrix.....:** WATER
Date Sampled...: 10/03/01 **Date Received..:** 10/04/01
Prep Date.....: 10/08/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1281191
Dilution Factor: 1 **Method.....:** SW846 8260B

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(80 - 120)
1,2-Dichloroethane-d4	86	(80 - 120)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	94	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3034

GC/MS Volatiles

Lot-Sample #...: H1J040177-003 Work Order #...: ELKAL1A4 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3017

GC/MS Volatiles

Lot-Sample #...: H1J040177-004 Work Order #...: ELKAT1AF Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01
Prep Date.....: 10/08/01 Analysis Date..: 10/08/01
Prep Batch #...: 1281191
Dilution Factor: 100 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	200	ug/L
Bromomethane	ND	200	ug/L
Vinyl chloride	ND	100	ug/L
Chloroethane	ND	200	ug/L
Methylene chloride	**43 J,B**	**200**	**ug/L**
Acetone	ND	1000	ug/L
Carbon disulfide	ND	100	ug/L
1,1-Dichloroethene	ND	100	ug/L
1,1-Dichloroethane	ND	100	ug/L
1,2-Dichloroethene (total)	ND	100	ug/L
Chloroform	ND	100	ug/L
1,2-Dichloroethane	ND	100	ug/L
2-Butanone	ND	500	ug/L
1,1,1-Trichloroethane	ND	100	ug/L
Carbon tetrachloride	ND	100	ug/L
Bromodichloromethane	ND	100	ug/L
1,2-Dichloropropane	ND	100	ug/L
cis-1,3-Dichloropropene	ND	100	ug/L
Trichloroethene	ND	100	ug/L
Dibromochloromethane	ND	100	ug/L
1,1,2-Trichloroethane	ND	100	ug/L
Benzene	**270**	**100**	**ug/L**
trans-1,3-Dichloropropene	ND	100	ug/L
Bromoform	ND	100	ug/L
4-Methyl-2-pentanone	ND	500	ug/L
2-Hexanone	ND	500	ug/L
Tetrachloroethene	ND	100	ug/L
1,1,2,2-Tetrachloroethane	ND	100	ug/L
Toluene	**270**	**100**	**ug/L**
Chlorobenzene	ND	100	ug/L
Ethylbenzene	**120**	**100**	**ug/L**
Styrene	ND	100	ug/L
Xylenes (total)	**1200**	**100**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(80 - 120)
1,2-Dichloroethane-d4	90	(80 - 120)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	95	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3017

GC/MS Volatiles

Lot-Sample #...: H1J040177-004 Work Order #...: ELKAT1AF 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: BD3021

GC/MS Volatiles

Lot-Sample #...: H1J040177-006 Work Order #...: ELKA31AF Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01
Prep Date.....: 10/08/01 Analysis Date..: 10/08/01
Prep Batch #...: 1281191
Dilution Factor: 100 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	200	ug/L
Bromomethane	ND	200	ug/L
Vinyl chloride	ND	100	ug/L
Chloroethane	ND	200	ug/L
Methylene chloride	**41 J,B**	**200**	**ug/L**
Acetone	**87 J**	**1000**	**ug/L**
Carbon disulfide	ND	100	ug/L
1,1-Dichloroethene	ND	100	ug/L
1,1-Dichloroethane	ND	100	ug/L
1,2-Dichloroethene (total)	ND	100	ug/L
Chloroform	ND	100	ug/L
1,2-Dichloroethane	ND	100	ug/L
2-Butanone	ND	500	ug/L
1,1,1-Trichloroethane	ND	100	ug/L
Carbon tetrachloride	ND	100	ug/L
Bromodichloromethane	ND	100	ug/L
1,2-Dichloropropane	ND	100	ug/L
cis-1,3-Dichloropropene	ND	100	ug/L
Trichloroethene	ND	100	ug/L
Dibromochloromethane	ND	100	ug/L
1,1,2-Trichloroethane	ND	100	ug/L
Benzene	ND	100	ug/L
trans-1,3-Dichloropropene	ND	100	ug/L
Bromoform	ND	100	ug/L
4-Methyl-2-pentanone	ND	500	ug/L
2-Hexanone	ND	500	ug/L
Tetrachloroethene	ND	100	ug/L
1,1,2,2-Tetrachloroethane	ND	100	ug/L
Toluene	**180**	**100**	**ug/L**
Chlorobenzene	ND	100	ug/L
Ethylbenzene	**120**	**100**	**ug/L**
Styrene	ND	100	ug/L
Xylenes (total)	**550**	**100**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(80 - 120)
1,2-Dichloroethane-d4	91	(80 - 120)
Toluene-d8	96	(80 - 120)
Bromofluorobenzene	91	(72 - 135)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3008

GC/MS Volatiles

Lot-Sample #...: H1J040177-008 Work Order #...: ELKA61AF Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01
Prep Date.....: 10/08/01 Analysis Date..: 10/08/01
Prep Batch #...: 1281191
Dilution Factor: 200 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	400	ug/L
Bromomethane	ND	400	ug/L
Vinyl chloride	ND	200	ug/L
Chloroethane	ND	400	ug/L
Methylene chloride	**200 J,B**	**400**	**ug/L**
Acetone	ND	2000	ug/L
Carbon disulfide	ND	200	ug/L
1,1-Dichloroethene	ND	200	ug/L
1,1-Dichloroethane	ND	200	ug/L
1,2-Dichloroethene (total)	ND	200	ug/L
Chloroform	ND	200	ug/L
1,2-Dichloroethane	ND	200	ug/L
2-Butanone	ND	1000	ug/L
1,1,1-Trichloroethane	ND	200	ug/L
Carbon tetrachloride	ND	200	ug/L
Bromodichloromethane	ND	200	ug/L
1,2-Dichloropropane	ND	200	ug/L
cis-1,3-Dichloropropene	ND	200	ug/L
Trichloroethene	ND	200	ug/L
Dibromochloromethane	ND	200	ug/L
1,1,2-Trichloroethane	ND	200	ug/L
Benzene	**110 J**	**200**	**ug/L**
trans-1,3-Dichloropropene	ND	200	ug/L
Bromoform	ND	200	ug/L
4-Methyl-2-pentanone	ND	1000	ug/L
2-Hexanone	ND	1000	ug/L
Tetrachloroethene	ND	200	ug/L
1,1,2,2-Tetrachloroethane	ND	200	ug/L
Toluene	**140 J**	**200**	**ug/L**
Chlorobenzene	ND	200	ug/L
Ethylbenzene	**61 J**	**200**	**ug/L**
Styrene	ND	200	ug/L
Xylenes (total)	**490**	**200**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(80 - 120)
1,2-Dichloroethane-d4	84	(80 - 120)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	94	(72 - 135)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3008

GC/MS Volatiles

Lot-Sample #...: H1J040177-008 Work Order #...: ELKA61AF 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: TB100301A

GC/MS Volatiles

Lot-Sample #...: H1J040177-010 Work Order #...: ELKCA1AA Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01
Prep Date.....: 10/09/01 Analysis Date..: 10/09/01
Prep Batch #...: 1282252
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**1.3 J,B**	**2.0**	**ug/L**
Acetone	**68**	**10**	**ug/L**
Carbon disulfide	**0.11 J**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	**5.0**	**5.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	**1.2**	**1.0**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	88	(80 - 120)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	96	(72 - 135)

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IT CORPORATION - KNOXVILLE

Client Sample ID: TB100301A

GC/MS Volatiles

Lot-Sample #...: H1J040177-010 Work Order #...: ELKCA1AA 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 #...: H1J040177 Work Order #...: ELQFK1AA Matrix.....: WATER
MB Lot-Sample #: H1J080000-191

Prep Date.....: 10/08/01
Analysis Date..: 10/08/01 Prep Batch #...: 1281191
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.18 J**	**2.0**	**ug/L**	**SW846 8260B**
Acetone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	86	(80 - 120)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	92	(72 - 135)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J040177 **Work Order #...:** ELQFK1AA **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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J040177 Work Order #...: ELQFK1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J080000-191 ELQFK1AD-LCSD
Prep Date.....: 10/08/01 Analysis Date..: 10/08/01
Prep Batch #...: 1281191
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	10.6	ug/L	106		SW846 8260B
	10.0	10.1	ug/L	101	4.8	SW846 8260B
Trichloroethene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.9	ug/L	109	4.3	SW846 8260B
Benzene	10.0	10.4	ug/L	104		SW846 8260B
	10.0	10.6	ug/L	106	1.0	SW846 8260B
Toluene	10.0	11.0	ug/L	110		SW846 8260B
	10.0	11.0	ug/L	110	0.25	SW846 8260B
Chlorobenzene	10.0	10.7	ug/L	107		SW846 8260B
	10.0	10.6	ug/L	106	0.60	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
	97	(80 - 120)
1,2-Dichloroethane-d4	87	(80 - 120)
	87	(80 - 120)
Toluene-d8	101	(80 - 120)
	100	(80 - 120)
Bromofluorobenzene	91	(72 - 135)
	90	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J040177 **Work Order #...:** ELQFK1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J080000-191 ELQFK1AD-LCSD
Prep Date.....: 10/08/01 **Analysis Date..:** 10/08/01
Prep Batch #...: 1281191
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**106**	**(69 - 120)**			**SW846 8260B**
	101	**(69 - 120)**	**4.8**	**(0-26)**	**SW846 8260B**
Trichloroethene	**105**	**(76 - 120)**			**SW846 8260B**
	109	**(76 - 120)**	**4.3**	**(0-17)**	**SW846 8260B**
Benzene	**104**	**(76 - 120)**			**SW846 8260B**
	106	**(76 - 120)**	**1.0**	**(0-19)**	**SW846 8260B**
Toluene	**110**	**(77 - 120)**			**SW846 8260B**
	110	**(77 - 120)**	**0.25**	**(0-17)**	**SW846 8260B**
Chlorobenzene	**107**	**(75 - 120)**			**SW846 8260B**
	106	**(75 - 120)**	**0.60**	**(0-17)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
	97	(80 - 120)
1,2-Dichloroethane-d4	87	(80 - 120)
	87	(80 - 120)
Toluene-d8	101	(80 - 120)
	100	(80 - 120)
Bromofluorobenzene	91	(72 - 135)
	90	(72 - 135)

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 #...: H1J040177 Work Order #...: ELTGR1AA Matrix.....: WATER
MB Lot-Sample #: H1J090000-252

Prep Date.....: 10/09/01
Analysis Date..: 10/09/01 Prep Batch #...: 1282252
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	88	(80 - 120)
Toluene-d8	96	(80 - 120)
Bromofluorobenzene	96	(72 - 135)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J040177 Work Order #...: ELTGR1AA 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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J040177 Work Order #...: ELTGR1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J090000-252 ELTGR1AD-LCSD
Prep Date.....: 10/09/01 Analysis Date..: 10/09/01
Prep Batch #...: 1282252
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	9.32	ug/L	93		SW846 8260B
	10.0	9.50	ug/L	95	1.9	SW846 8260B
Trichloroethene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.2	ug/L	102	2.6	SW846 8260B
Benzene	10.0	10.1	ug/L	101		SW846 8260B
	10.0	10.1	ug/L	101	0.70	SW846 8260B
Toluene	10.0	10.8	ug/L	108		SW846 8260B
	10.0	10.5	ug/L	105	3.0	SW846 8260B
Chlorobenzene	10.0	10.5	ug/L	105		SW846 8260B
	10.0	10.2	ug/L	102	3.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(80 - 120)
	96	(80 - 120)
1,2-Dichloroethane-d4	87	(80 - 120)
	88	(80 - 120)
Toluene-d8	99	(80 - 120)
	99	(80 - 120)
Bromofluorobenzene	90	(72 - 135)
	91	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J040177 Work Order #...: ELTGR1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J090000-252 ELTGR1AD-LCSD
Prep Date.....: 10/09/01 Analysis Date..: 10/09/01
Prep Batch #...: 1282252
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**93**	**(69 - 120)**			**SW846 8260B**
	95	**(69 - 120)**	**1.9**	**(0-26)**	**SW846 8260B**
Trichloroethene	**105**	**(76 - 120)**			**SW846 8260B**
	102	**(76 - 120)**	**2.6**	**(0-17)**	**SW846 8260B**
Benzene	**101**	**(76 - 120)**			**SW846 8260B**
	101	**(76 - 120)**	**0.70**	**(0-19)**	**SW846 8260B**
Toluene	**108**	**(77 - 120)**			**SW846 8260B**
	105	**(77 - 120)**	**3.0**	**(0-17)**	**SW846 8260B**
Chlorobenzene	**105**	**(75 - 120)**			**SW846 8260B**
	102	**(75 - 120)**	**3.6**	**(0-17)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(80 - 120)
	96	(80 - 120)
1,2-Dichloroethane-d4	87	(80 - 120)
	88	(80 - 120)
Toluene-d8	99	(80 - 120)
	99	(80 - 120)
Bromofluorobenzene	90	(72 - 135)
	91	(72 - 135)

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: BD3035

GC/MS Semivolatiles

Lot-Sample #...: H1J040177-001 **Work Order #...:** ELKAA1A5 **Matrix.....:** WATER
Date Sampled...: 10/03/01 **Date Received..:** 10/04/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1 **Method.....:** SW846 8270C

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-propyl-amine	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-Trichloro-benzene	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
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3035

GC/MS Semivolatiles

Lot-Sample #...: H1J040177-001 Work Order #...: ELKAA1A5 Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(29 - 110)
Phenol-d5	84	(41 - 115)
Nitrobenzene-d5	89	(46 - 117)
2-Fluorobiphenyl	86	(44 - 116)
2,4,6-Tribromophenol	92	(31 - 138)
Terphenyl-d14	71	(36 - 134)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3034

GC/MS Semivolatiles

Lot-Sample #...: H1J040177-003 Work Order #...: ELKAL1A5 Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1 Method.....: SW846 8270C

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-propyl-amine	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-Trichloro-benzene	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
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3034

GC/MS Semivolatiles

Lot-Sample #...: H1J040177-003 Work Order #...: ELKAL1A5 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	77	(29 - 110)
Phenol-d5	88	(41 - 115)
Nitrobenzene-d5	86	(46 - 117)
2-Fluorobiphenyl	83	(44 - 116)
2,4,6-Tribromophenol	88	(31 - 138)
Terphenyl-d14	78	(36 - 134)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3017

GC/MS Semivolatiles

Lot-Sample #...: H1J040177-004 Work Order #...: ELKAT1AG Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**12**	**10**	**ug/L**
bis(2-Chloroethyl)-ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	**6.6 J**	**10**	**ug/L**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	**6.9 J**	**10**	**ug/L**
N-Nitrosodi-n-propyl-amine	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	**22**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
Naphthalene	**27**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**25**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3017

GC/MS Semivolatiles

Lot-Sample #...: H1J040177-004 Work Order #...: ELKAT1AG Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	**1.0 J**	**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	**1.3 J**	**10**	**ug/L**
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**7.7 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(29 - 110)
Phenol-d5	77	(41 - 115)
Nitrobenzene-d5	79	(46 - 117)
2-Fluorobiphenyl	75	(44 - 116)
2,4,6-Tribromophenol	90	(31 - 138)
Terphenyl-d14	80	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3017

GC/MS Semivolatiles

Lot-Sample #...: H1J040177-004 Work Order #...: ELKAT1AG Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3021

GC/MS Semivolatiles

Lot-Sample #...: H1J040177-006 Work Order #...: ELKA31AG Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**2.6 J**	**10**	**ug/L**
bis(2-Chloroethyl)-ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	**1.1 J**	**10**	**ug/L**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	**2.0 J**	**10**	**ug/L**
N-Nitrosodi-n-propyl-amine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	**3.8 J**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
Naphthalene	**9.8 J**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**9.2 J**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3021

GC/MS Semivolatiles

Lot-Sample #...: H1J040177-006 Work Order #...: ELKA31AG Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	**0.99 J**	**10**	**ug/L**
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**4.0 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	57	(29 - 110)
Phenol-d5	68	(41 - 115)
Nitrobenzene-d5	69	(46 - 117)
2-Fluorobiphenyl	66	(44 - 116)
2,4,6-Tribromophenol	83	(31 - 138)
Terphenyl-d14	73	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3021

GC/MS Semivolatiles

Lot-Sample #...: H1J040177-006 Work Order #...: ELKA31AG Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3008

GC/MS Semivolatiles

Lot-Sample #...: H1J040177-008 **Work Order #...:** ELKA61AG **Matrix.....:** WATER
Date Sampled...: 10/03/01 **Date Received..:** 10/04/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1 **Method.....:** SW846 8270C

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-propyl-amine	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-Trichloro-benzene	ND	10	ug/L
Naphthalene	**11**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**21**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3008

GC/MS Semivolatiles

Lot-Sample #...: H1J040177-008 Work Order #...: ELKA61AG Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	**1.6 J**	**10**	**ug/L**
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	**2.8 J**	**10**	**ug/L**
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	**0.80 J**	**10**	**ug/L**
bis(2-Ethylhexyl) phthalate	**5.0 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(29 - 110)
Phenol-d5	67	(41 - 115)
Nitrobenzene-d5	68	(46 - 117)
2-Fluorobiphenyl	80	(44 - 116)
2,4,6-Tribromophenol	87	(31 - 138)
Terphenyl-d14	81	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3008

GC/MS Semivolatiles

Lot-Sample #...: H1J040177-008 Work Order #...: ELKA61AG Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J040177 Work Order #...: ELP7L1AA Matrix.....: WATER
MB Lot-Sample #: H1J070000-093
Prep Date.....: 10/07/01
Analysis Date..: 10/18/01 Prep Batch #...: 1280093
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J040177 Work Order #...: ELP7L1AA Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	81	(29 - 110)
Phenol-d5	91	(41 - 115)
Nitrobenzene-d5	91	(46 - 117)
2-Fluorobiphenyl	89	(44 - 116)
2,4,6-Tribromophenol	88	(31 - 138)
Terphenyl-d14	100	(36 - 134)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J040177 Work Order #...: ELP7L1AA Matrix.....: WATER

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J040177 Work Order #...: ELP7L1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J070000-093 ELP7L1AD-LCSD
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Phenol	100	86.1	ug/L	86		SW846 8270C
	100	85.4	ug/L	85	0.81	SW846 8270C
2-Chlorophenol	100	88.8	ug/L	89		SW846 8270C
	100	86.9	ug/L	87	2.2	SW846 8270C
1,4-Dichlorobenzene	100	86.7	ug/L	87		SW846 8270C
	100	85.1	ug/L	85	1.9	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	85.6	ug/L	86		SW846 8270C
	100	85.7	ug/L	86	0.11	SW846 8270C
1,2,4-Trichloro-benzene	100	86.7	ug/L	87		SW846 8270C
	100	85.0	ug/L	85	2.0	SW846 8270C
4-Chloro-3-methylphenol	100	92.9	ug/L	93		SW846 8270C
	100	92.5	ug/L	92	0.43	SW846 8270C
Acenaphthene	100	77.0	ug/L	77		SW846 8270C
	100	75.9	ug/L	76	1.4	SW846 8270C
4-Nitrophenol	100	96.4	ug/L	96		SW846 8270C
	100	102	ug/L	102	5.6	SW846 8270C
2,4-Dinitrotoluene	100	105	ug/L	105		SW846 8270C
	100	109	ug/L	109	3.7	SW846 8270C
Pentachlorophenol	100	93.8	ug/L	94		SW846 8270C
	100	89.9	ug/L	90	4.2	SW846 8270C
Pyrene	100	78.2	ug/L	78		SW846 8270C
	100	78.8	ug/L	79	0.76	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	88	(29 - 110)
	80	(29 - 110)
Phenol-d5	93	(41 - 115)
	91	(41 - 115)
Nitrobenzene-d5	94	(46 - 117)
	94	(46 - 117)
2-Fluorobiphenyl	92	(44 - 116)
	89	(44 - 116)
2,4,6-Tribromophenol	101	(31 - 138)
	97	(31 - 138)
Terphenyl-d14	97	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J040177 **Work Order #...:** ELP7L1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J070000-093 ELP7L1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	95	(36 - 134)

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 #...: H1J040177 Work Order #...: ELP7L1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J070000-093 ELP7L1AD-LCSD
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	86	(61 - 111)			SW846 8270C
	85	(61 - 111)	0.81	(0-39)	SW846 8270C
2-Chlorophenol	89	(61 - 110)			SW846 8270C
	87	(61 - 110)	2.2	(0-41)	SW846 8270C
1,4-Dichlorobenzene	87	(49 - 110)			SW846 8270C
	85	(49 - 110)	1.9	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	86	(62 - 117)			SW846 8270C
	86	(62 - 117)	0.11	(0-31)	SW846 8270C
1,2,4-Trichloro-benzene	87	(64 - 109)			SW846 8270C
	85	(64 - 109)	2.0	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	93	(70 - 109)			SW846 8270C
	92	(70 - 109)	0.43	(0-28)	SW846 8270C
Acenaphthene	77	(69 - 107)			SW846 8270C
	76	(69 - 107)	1.4	(0-29)	SW846 8270C
4-Nitrophenol	96	(59 - 120)			SW846 8270C
	102	(59 - 120)	5.6	(0-30)	SW846 8270C
2,4-Dinitrotoluene	105	(77 - 118)			SW846 8270C
	109	(77 - 118)	3.7	(0-29)	SW846 8270C
Pentachlorophenol	94	(38 - 124)			SW846 8270C
	90	(38 - 124)	4.2	(0-41)	SW846 8270C
Pyrene	78	(75 - 125)			SW846 8270C
	79	(75 - 125)	0.76	(0-26)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	88	(29 - 110)
	80	(29 - 110)
Phenol-d5	93	(41 - 115)
	91	(41 - 115)
Nitrobenzene-d5	94	(46 - 117)
	94	(46 - 117)
2-Fluorobiphenyl	92	(44 - 116)
	89	(44 - 116)
2,4,6-Tribromophenol	101	(31 - 138)
	97	(31 - 138)
Terphenyl-d14	97	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J040177 **Work Order #...:** ELP7L1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J070000-093 ELP7L1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	95	(36 - 134)

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: BD3035

HPLC

Lot-Sample #...: H1J040177-001 **Work Order #...:** ELKAA1A3 **Matrix.....:** WATER
Date Sampled...: 10/03/01 **Date Received..:** 10/04/01
Prep Date.....: 10/09/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1282116
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	ug/L
RDX	ND	0.50	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND	0.20	ug/L
Tetryl	ND	0.20	ug/L
Nitrobenzene	ND	0.20	ug/L
2,4,6-Trinitrotoluene	**0.61**	**0.20**	**ug/L**
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	0.20	ug/L
2,4-Dinitrotoluene	ND	0.20	ug/L
2-Nitrotoluene	ND	0.20	ug/L
4-Nitrotoluene	ND	0.20	ug/L
3-Nitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	81	(53 - 133)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3034

HPLC

Lot-Sample #...: H1J040177-003 **Work Order #...:** ELKAL1A3 **Matrix.....:** WATER
Date Sampled...: 10/03/01 **Date Received..:** 10/04/01
Prep Date.....: 10/09/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1282116
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	ug/L
RDX	ND	0.50	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND	0.20	ug/L
Tetryl	ND	0.20	ug/L
Nitrobenzene	ND	0.20	ug/L
2,4,6-Trinitrotoluene	**0.29**	**0.20**	**ug/L**
4-Amino-2,6-dinitrotoluene	**1.5**	**0.20**	**ug/L**
2-Amino-4,6-dinitrotoluene	**2.1**	**0.20**	**ug/L**
2,6-Dinitrotoluene	ND	0.20	ug/L
2,4-Dinitrotoluene	ND	0.20	ug/L
2-Nitrotoluene	ND	0.20	ug/L
4-Nitrotoluene	ND	0.20	ug/L
3-Nitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	87	(53 - 133)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3017

HPLC

Lot-Sample #...: H1J040177-004 **Work Order #...:** ELKAT1AE **Matrix.....:** WATER
Date Sampled...: 10/03/01 **Date Received..:** 10/04/01
Prep Date.....: 10/09/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1282116
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND I	0.50	ug/L
RDX	ND G	2.8	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND	0.20	ug/L
Tetryl	ND G	1.0	ug/L
Nitrobenzene	ND G	1.0	ug/L
2,4,6-Trinitrotoluene	ND G	0.23	ug/L
4-Amino-2,6-dinitrotoluene	ND G	2.0	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND G	1.1	ug/L
2,4-Dinitrotoluene	ND	0.20	ug/L
2-Nitrotoluene	ND G	2.0	ug/L
4-Nitrotoluene	ND G	0.23	ug/L
3-Nitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	87	(53 - 133)

NOTE(S):

I Matrix interference.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3021

HPLC

Lot-Sample #...: H1J040177-006 **Work Order #...:** ELKA31AE **Matrix.....:** WATER
Date Sampled...: 10/03/01 **Date Received..:** 10/04/01
Prep Date.....: 10/09/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1282116
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND I	0.50	ug/L
RDX	ND	0.50	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND I	0.20	ug/L
Tetryl	ND	0.20	ug/L
Nitrobenzene	ND G	1.0	ug/L
2,4,6-Trinitrotoluene	ND	0.20	ug/L
4-Amino-2,6-dinitrotoluene	ND G	2.7	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L
2,6-Dinitrotoluene	**0.30**	**0.20**	**ug/L**
2,4-Dinitrotoluene	ND	0.20	ug/L
2-Nitrotoluene	ND G	6.3	ug/L
4-Nitrotoluene	ND G	4.0	ug/L
3-Nitrotoluene	ND G	0.21	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	85	(53 - 133)

NOTE(S):

I Matrix interference.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3008

HPLC

Lot-Sample #...: H1J040177-008 **Work Order #...:** ELKA61AE **Matrix.....:** WATER
Date Sampled...: 10/03/01 **Date Received..:** 10/04/01
Prep Date.....: 10/09/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1282116
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	ug/L
RDX	ND	0.50	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND	0.20	ug/L
Tetryl	ND	0.20	ug/L
Nitrobenzene	ND	0.20	ug/L
2,4,6-Trinitrotoluene	ND	0.20	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND G	0.24	ug/L
2,4-Dinitrotoluene	ND I	0.20	ug/L
2-Nitrotoluene	ND G	2.5	ug/L
4-Nitrotoluene	ND G	0.68	ug/L
3-Nitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	106	(53 - 133)

NOTE(S):

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

I Matrix interference.

METHOD BLANK REPORT

HPLC

Client Lot #...: H1J040177 **Work Order #...:** ELR3N1AA **Matrix.....:** WATER
MB Lot-Sample #: H1J090000-116

Prep Date.....: 10/09/01
Analysis Date..: 10/17/01 **Prep Batch #...:** 1282116
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	87	(53 - 133)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J040177 Work Order #...: ELR3N1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J090000-116 ELR3N1AD-LCSD
Prep Date.....: 10/09/01 Analysis Date..: 10/18/01
Prep Batch #...: 1282116
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	3.00	3.24	ug/L	108		SW846 8330
	3.00	3.03	ug/L	101	6.8	SW846 8330
RDX	3.00	3.43	ug/L	114		SW846 8330
	3.00	3.17	ug/L	106	7.9	SW846 8330
1,3,5-Trinitrobenzene	3.00	3.41	ug/L	114		SW846 8330
	3.00	3.13	ug/L	104	8.4	SW846 8330
1,3-Dinitrobenzene	3.00	3.23	ug/L	108		SW846 8330
	3.00	2.94	ug/L	98	9.2	SW846 8330
Tetryl	3.00	3.37	ug/L	112		SW846 8330
	3.00	3.10	ug/L	103	8.4	SW846 8330
Nitrobenzene	3.00	2.97	ug/L	99		SW846 8330
	3.00	2.71	ug/L	90	9.0	SW846 8330
2,4,6-Trinitrotoluene	3.00	3.29	ug/L	110		SW846 8330
	3.00	3.02	ug/L	101	8.6	SW846 8330
4-Amino-2,6-dinitrotoluene	3.00	2.75	ug/L	92		SW846 8330
	3.00	2.58	ug/L	86	6.3	SW846 8330
2-Amino-4,6-dinitrotoluene	3.00	3.22	ug/L	107		SW846 8330
	3.00	2.97	ug/L	99	8.0	SW846 8330
2,6-Dinitrotoluene	3.00	3.42	ug/L	114		SW846 8330
	3.00	3.12	ug/L	104	9.2	SW846 8330
2,4-Dinitrotoluene	3.00	3.21	ug/L	107		SW846 8330
	3.00	2.96	ug/L	99	8.1	SW846 8330
2-Nitrotoluene	3.00	2.84	ug/L	95		SW846 8330
	3.00	2.64	ug/L	88	7.4	SW846 8330
4-Nitrotoluene	3.00	3.01	ug/L	100		SW846 8330
	3.00	2.80	ug/L	93	7.3	SW846 8330
3-Nitrotoluene	3.00	2.92	ug/L	97		SW846 8330
	3.00	2.71	ug/L	90	7.4	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	89	(53 - 133)
	86	(53 - 133)

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 #...: H1J040177 Work Order #...: ELR3N1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J090000-116 ELR3N1AD-LCSD
Prep Date.....: 10/09/01 Analysis Date..: 10/18/01
Prep Batch #...: 1282116
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**108**	**(68 - 122)**			**SW846 8330**
	101	**(68 - 122)**	**6.8**	**(0-25)**	**SW846 8330**
RDX	**114**	**(71 - 127)**			**SW846 8330**
	106	**(71 - 127)**	**7.9**	**(0-26)**	**SW846 8330**
1,3,5-Trinitrobenzene	**114**	**(70 - 124)**			**SW846 8330**
	104	**(70 - 124)**	**8.4**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**108**	**(72 - 124)**			**SW846 8330**
	98	**(72 - 124)**	**9.2**	**(0-25)**	**SW846 8330**
Tetryl	**112**	**(68 - 123)**			**SW846 8330**
	103	**(68 - 123)**	**8.4**	**(0-26)**	**SW846 8330**
Nitrobenzene	**99**	**(60 - 122)**			**SW846 8330**
	90	**(60 - 122)**	**9.0**	**(0-26)**	**SW846 8330**
2,4,6-Trinitrotoluene	**110**	**(71 - 123)**			**SW846 8330**
	101	**(71 - 123)**	**8.6**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**92**	**(66 - 122)**			**SW846 8330**
	86	**(66 - 122)**	**6.3**	**(0-26)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**107**	**(65 - 124)**			**SW846 8330**
	99	**(65 - 124)**	**8.0**	**(0-26)**	**SW846 8330**
2,6-Dinitrotoluene	**114**	**(66 - 129)**			**SW846 8330**
	104	**(66 - 129)**	**9.2**	**(0-26)**	**SW846 8330**
2,4-Dinitrotoluene	**107**	**(70 - 125)**			**SW846 8330**
	99	**(70 - 125)**	**8.1**	**(0-26)**	**SW846 8330**
2-Nitrotoluene	**95**	**(54 - 121)**			**SW846 8330**
	88	**(54 - 121)**	**7.4**	**(0-27)**	**SW846 8330**
4-Nitrotoluene	**100**	**(59 - 123)**			**SW846 8330**
	93	**(59 - 123)**	**7.3**	**(0-27)**	**SW846 8330**
3-Nitrotoluene	**97**	**(58 - 124)**			**SW846 8330**
	90	**(58 - 124)**	**7.4**	**(0-27)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	89	(53 - 133)
	86	(53 - 133)

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: BD3035

TOTAL Metals

Lot-Sample #...: H1J040177-001 Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1281424						
Aluminum	6160	200	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AA
		Dilution Factor: 1		Analysis Time..: 11:16		
Antimony	ND	60.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AC
		Dilution Factor: 1		Analysis Time..: 11:16		
Arsenic	8.8 B	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AD
		Dilution Factor: 1		Analysis Time..: 11:16		
Barium	203	200	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AE
		Dilution Factor: 1		Analysis Time..: 11:16		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AF
		Dilution Factor: 1		Analysis Time..: 11:16		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AG
		Dilution Factor: 1		Analysis Time..: 11:16		
Calcium	137000	5000	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AH
		Dilution Factor: 1		Analysis Time..: 11:16		
Chromium	13.9	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AJ
		Dilution Factor: 1		Analysis Time..: 11:16		
Cobalt	16.7 B	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AK
		Dilution Factor: 1		Analysis Time..: 11:16		
Copper	19.5 B	25.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AL
		Dilution Factor: 1		Analysis Time..: 11:16		
Iron	13300	100	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AM
		Dilution Factor: 1		Analysis Time..: 11:16		
Lead	10.5	3.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AN
		Dilution Factor: 1		Analysis Time..: 11:16		
Magnesium	48300	5000	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AP
		Dilution Factor: 1		Analysis Time..: 11:16		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3035

TOTAL Metals

Lot-Sample #...: H1J040177-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	1520	15.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AQ
		Dilution Factor: 1		Analysis Time..: 11:16		
Nickel	17.2 B	40.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AR
		Dilution Factor: 1		Analysis Time..: 11:16		
Potassium	14200	5000	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AT
		Dilution Factor: 1		Analysis Time..: 11:16		
Selenium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AU
		Dilution Factor: 1		Analysis Time..: 11:16		
Silver	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AV
		Dilution Factor: 1		Analysis Time..: 11:16		
Sodium	139000	5000	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AW
		Dilution Factor: 1		Analysis Time..: 11:16		
Thallium	5.0 B	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1AX
		Dilution Factor: 1		Analysis Time..: 11:16		
Vanadium	14.4 B	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1A0
		Dilution Factor: 1		Analysis Time..: 11:16		
Zinc	31.0	20.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAA1A1
		Dilution Factor: 1		Analysis Time..: 11:16		
Prep Batch #...: 1282394						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELKAA1A2
		Dilution Factor: 1		Analysis Time..: 12:58		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3035

DISSOLVED Metals

Lot-Sample #...: H1J040177-002 Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	**433**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKAF1AA**
		Dilution Factor: 1		Analysis Time..: 14:23		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELKAF1AC
		Dilution Factor: 1		Analysis Time..: 14:23		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELKAF1AD
		Dilution Factor: 1		Analysis Time..: 14:23		
Barium	**64.1 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKAF1AE**
		Dilution Factor: 1		Analysis Time..: 14:23		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELKAF1AF
		Dilution Factor: 1		Analysis Time..: 14:23		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELKAF1AG
		Dilution Factor: 1		Analysis Time..: 14:23		
Calcium	**129000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKAF1AH**
		Dilution Factor: 1		Analysis Time..: 14:23		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELKAF1AJ
		Dilution Factor: 1		Analysis Time..: 14:23		
Cobalt	**6.7 B**	**50.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKAF1AK**
		Dilution Factor: 1		Analysis Time..: 14:23		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELKAF1AL
		Dilution Factor: 1		Analysis Time..: 14:23		
Iron	**515**	**100**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKAF1AM**
		Dilution Factor: 1		Analysis Time..: 14:23		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELKAF1AN
		Dilution Factor: 1		Analysis Time..: 14:23		
Magnesium	**47400**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKAF1AP**
		Dilution Factor: 1		Analysis Time..: 14:23		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3035

DISSOLVED Metals

Lot-Sample #...: H1J040177-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	1180	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELKAF1AQ
		Dilution Factor: 1		Analysis Time..: 14:23		
Nickel	6.7 B	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELKAF1AR
		Dilution Factor: 1		Analysis Time..: 14:23		
Potassium	12700	5000	ug/L	SW846 6010B	10/11-10/12/01	ELKAF1AT
		Dilution Factor: 1		Analysis Time..: 14:23		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELKAF1AU
		Dilution Factor: 1		Analysis Time..: 14:23		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELKAF1AV
		Dilution Factor: 1		Analysis Time..: 14:23		
Sodium	143000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELKAF1AW
		Dilution Factor: 1		Analysis Time..: 14:23		
Thallium	5.9 B	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELKAF1AX
		Dilution Factor: 1		Analysis Time..: 14:23		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELKAF1A0
		Dilution Factor: 1		Analysis Time..: 14:23		
Zinc	3.2 B	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELKAF1A1
		Dilution Factor: 1		Analysis Time..: 14:23		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELKAF1A2
		Dilution Factor: 1		Analysis Time..: 14:53		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3034

TOTAL Metals

Lot-Sample #...: H1J040177-003 Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1281424						
Aluminum	8950	200	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AA
		Dilution Factor: 1		Analysis Time..: 11:20		
Antimony	ND	60.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AC
		Dilution Factor: 1		Analysis Time..: 11:20		
Arsenic	7.2 B	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AD
		Dilution Factor: 1		Analysis Time..: 11:20		
Barium	88.4 B	200	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AE
		Dilution Factor: 1		Analysis Time..: 11:20		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AF
		Dilution Factor: 1		Analysis Time..: 11:20		
Cadmium	1.2 B	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AG
		Dilution Factor: 1		Analysis Time..: 11:20		
Calcium	209000	5000	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AH
		Dilution Factor: 1		Analysis Time..: 11:20		
Chromium	18.2	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AJ
		Dilution Factor: 1		Analysis Time..: 11:20		
Cobalt	10 B	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AK
		Dilution Factor: 1		Analysis Time..: 11:20		
Copper	15.9 B	25.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AL
		Dilution Factor: 1		Analysis Time..: 11:20		
Iron	16400	100	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AM
		Dilution Factor: 1		Analysis Time..: 11:20		
Lead	9.4	3.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AN
		Dilution Factor: 1		Analysis Time..: 11:20		
Magnesium	63200	5000	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AP
		Dilution Factor: 1		Analysis Time..: 11:20		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3034

TOTAL Metals

Lot-Sample #...: H1J040177-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	383	15.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AQ
		Dilution Factor: 1		Analysis Time..: 11:20		
Nickel	22.4 B	40.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AR
		Dilution Factor: 1		Analysis Time..: 11:20		
Potassium	16500	5000	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AT
		Dilution Factor: 1		Analysis Time..: 11:20		
Selenium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AU
		Dilution Factor: 1		Analysis Time..: 11:20		
Silver	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AV
		Dilution Factor: 1		Analysis Time..: 11:20		
Sodium	66700	5000	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AW
		Dilution Factor: 1		Analysis Time..: 11:20		
Thallium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1AX
		Dilution Factor: 1		Analysis Time..: 11:20		
Vanadium	17.8 B	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1A0
		Dilution Factor: 1		Analysis Time..: 11:20		
Zinc	39.2	20.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAL1A1
		Dilution Factor: 1		Analysis Time..: 11:20		
Prep Batch #...: 1282394						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELKAL1A2
		Dilution Factor: 1		Analysis Time..: 13:00		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3017

TOTAL Metals

Lot-Sample #...: H1J040177-004 Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1281424						
Aluminum	**96.8 B**	**200**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKAT1AJ**
		Dilution Factor: 1		Analysis Time..: 11:47		
Antimony	ND	60.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAT1AK
		Dilution Factor: 1		Analysis Time..: 11:47		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAT1AL
		Dilution Factor: 1		Analysis Time..: 11:47		
Barium	**2090**	**200**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKAT1AM**
		Dilution Factor: 1		Analysis Time..: 11:47		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAT1AN
		Dilution Factor: 1		Analysis Time..: 11:47		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAT1AP
		Dilution Factor: 1		Analysis Time..: 11:47		
Calcium	**418000**	**5000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKAT1AQ**
		Dilution Factor: 1		Analysis Time..: 11:47		
Chromium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAT1AR
		Dilution Factor: 1		Analysis Time..: 11:47		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAT1AT
		Dilution Factor: 1		Analysis Time..: 11:47		
Copper	**6.1 B**	**25.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKAT1AU**
		Dilution Factor: 1		Analysis Time..: 11:47		
Iron	**106**	**100**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKAT1AV**
		Dilution Factor: 1		Analysis Time..: 11:47		
Lead	ND	3.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAT1AW
		Dilution Factor: 1		Analysis Time..: 11:47		
Magnesium	**201000**	**5000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKAT1AX**
		Dilution Factor: 1		Analysis Time..: 11:47		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3017

TOTAL Metals

Lot-Sample #...: H1J040177-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**29.1**	**15.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKAT1A0**
		Dilution Factor: 1		Analysis Time..: 11:47		
Nickel	ND	40.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAT1A1
		Dilution Factor: 1		Analysis Time..: 11:47		
Potassium	**96900**	**5000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKAT1A2**
		Dilution Factor: 1		Analysis Time..: 11:47		
Selenium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAT1A3
		Dilution Factor: 1		Analysis Time..: 11:47		
Silver	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAT1A4
		Dilution Factor: 1		Analysis Time..: 11:47		
Sodium	**1190000**	**25000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKAT1A5**
		Dilution Factor: 5		Analysis Time..: 15:50		
Thallium	**6.0 B**	**10.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKAT1A6**
		Dilution Factor: 1		Analysis Time..: 11:47		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELKAT1AA
		Dilution Factor: 1		Analysis Time..: 11:47		
Zinc	**5.6 B**	**20.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKAT1AC**
		Dilution Factor: 1		Analysis Time..: 11:47		
Prep Batch #...: 1282394						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELKAT1AD
		Dilution Factor: 1		Analysis Time..: 13:02		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3017

DISSOLVED Metals

Lot-Sample #...: H1J040177-005 Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	**80.9 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA01AA**
		Dilution Factor: 1		Analysis Time..: 14:28		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA01AC
		Dilution Factor: 1		Analysis Time..: 14:28		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA01AD
		Dilution Factor: 1		Analysis Time..: 14:28		
Barium	**2090**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA01AE**
		Dilution Factor: 1		Analysis Time..: 14:28		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA01AF
		Dilution Factor: 1		Analysis Time..: 14:28		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA01AG
		Dilution Factor: 1		Analysis Time..: 14:28		
Calcium	**416000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA01AH**
		Dilution Factor: 1		Analysis Time..: 14:28		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA01AJ
		Dilution Factor: 1		Analysis Time..: 14:28		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA01AK
		Dilution Factor: 1		Analysis Time..: 14:28		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA01AL
		Dilution Factor: 1		Analysis Time..: 14:28		
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELKA01AM
		Dilution Factor: 1		Analysis Time..: 14:28		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA01AN
		Dilution Factor: 1		Analysis Time..: 14:28		
Magnesium	**202000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA01AP**
		Dilution Factor: 1		Analysis Time..: 14:28		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3017

DISSOLVED Metals

Lot-Sample #...: H1J040177-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**28.1**	**15.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA01AQ**
		Dilution Factor: 1		Analysis Time..: 14:28		
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA01AR
		Dilution Factor: 1		Analysis Time..: 14:28		
Potassium	**96700**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA01AT**
		Dilution Factor: 1		Analysis Time..: 14:28		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA01AU
		Dilution Factor: 1		Analysis Time..: 14:28		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA01AV
		Dilution Factor: 1		Analysis Time..: 14:28		
Sodium	**1230000**	**25000**	**ug/L**	**SW846 6010B**	**10/11-10/15/01**	**ELKA01AW**
		Dilution Factor: 5		Analysis Time..: 11:54		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA01AX
		Dilution Factor: 1		Analysis Time..: 14:28		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA01A0
		Dilution Factor: 1		Analysis Time..: 14:28		
Zinc	**5.0 B**	**20.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA01A1**
		Dilution Factor: 1		Analysis Time..: 14:28		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELKA01A2
		Dilution Factor: 1		Analysis Time..: 14:54		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3021

TOTAL Metals

Lot-Sample #...: H1J040177-006 Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1281424						
Aluminum	**106 B**	**200**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKA31AJ**
		Dilution Factor: 1		Analysis Time..: 11:51		
Antimony	ND	60.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA31AK
		Dilution Factor: 1		Analysis Time..: 11:51		
Arsenic	**5.4 B**	**10.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKA31AL**
		Dilution Factor: 1		Analysis Time..: 11:51		
Barium	**912**	**200**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKA31AM**
		Dilution Factor: 1		Analysis Time..: 11:51		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA31AN
		Dilution Factor: 1		Analysis Time..: 11:51		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA31AP
		Dilution Factor: 1		Analysis Time..: 11:51		
Calcium	**260000**	**5000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKA31AQ**
		Dilution Factor: 1		Analysis Time..: 11:51		
Chromium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA31AR
		Dilution Factor: 1		Analysis Time..: 11:51		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA31AT
		Dilution Factor: 1		Analysis Time..: 11:51		
Copper	ND	25.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA31AU
		Dilution Factor: 1		Analysis Time..: 11:51		
Iron	**160**	**100**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKA31AV**
		Dilution Factor: 1		Analysis Time..: 11:51		
Lead	ND	3.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA31AW
		Dilution Factor: 1		Analysis Time..: 11:51		
Magnesium	**230000**	**5000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKA31AX**
		Dilution Factor: 1		Analysis Time..: 11:51		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3021

TOTAL Metals

Lot-Sample #...: H1J040177-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**21.6**	**15.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKA31A0**
		Dilution Factor: 1		Analysis Time..: 11:51		
Nickel	ND	40.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA31A1
		Dilution Factor: 1		Analysis Time..: 11:51		
Potassium	**62700**	**5000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKA31A2**
		Dilution Factor: 1		Analysis Time..: 11:51		
Selenium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA31A3
		Dilution Factor: 1		Analysis Time..: 11:51		
Silver	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA31A4
		Dilution Factor: 1		Analysis Time..: 11:51		
Sodium	**545000**	**5000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKA31A5**
		Dilution Factor: 1		Analysis Time..: 11:51		
Thallium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA31A6
		Dilution Factor: 1		Analysis Time..: 11:51		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA31AA
		Dilution Factor: 1		Analysis Time..: 11:51		
Zinc	ND	20.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA31AC
		Dilution Factor: 1		Analysis Time..: 11:51		
Prep Batch #...: 1282394						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELKA31AD
		Dilution Factor: 1		Analysis Time..: 13:04		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3021

DISSOLVED Metals

Lot-Sample #...: H1J040177-007 Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	**77.8 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA51AA**
		Dilution Factor: 1		Analysis Time..: 14:32		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA51AC
		Dilution Factor: 1		Analysis Time..: 14:32		
Arsenic	**2.7 B**	**10.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA51AD**
		Dilution Factor: 1		Analysis Time..: 14:32		
Barium	**911**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA51AE**
		Dilution Factor: 1		Analysis Time..: 14:32		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA51AF
		Dilution Factor: 1		Analysis Time..: 14:32		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA51AG
		Dilution Factor: 1		Analysis Time..: 14:32		
Calcium	**252000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA51AH**
		Dilution Factor: 1		Analysis Time..: 14:32		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA51AJ
		Dilution Factor: 1		Analysis Time..: 14:32		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA51AK
		Dilution Factor: 1		Analysis Time..: 14:32		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA51AL
		Dilution Factor: 1		Analysis Time..: 14:32		
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELKA51AM
		Dilution Factor: 1		Analysis Time..: 14:32		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA51AN
		Dilution Factor: 1		Analysis Time..: 14:32		
Magnesium	**235000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA51AP**
		Dilution Factor: 1		Analysis Time..: 14:32		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3021

DISSOLVED Metals

Lot-Sample #...: H1J040177-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**9.8 B**	**15.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA51AQ**
		Dilution Factor: 1		Analysis Time..: 14:32		
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA51AR
		Dilution Factor: 1		Analysis Time..: 14:32		
Potassium	**62600**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA51AT**
		Dilution Factor: 1		Analysis Time..: 14:32		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA51AU
		Dilution Factor: 1		Analysis Time..: 14:32		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA51AV
		Dilution Factor: 1		Analysis Time..: 14:32		
Sodium	**549000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA51AW**
		Dilution Factor: 1		Analysis Time..: 14:32		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA51AX
		Dilution Factor: 1		Analysis Time..: 14:32		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA51A0
		Dilution Factor: 1		Analysis Time..: 14:32		
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA51A1
		Dilution Factor: 1		Analysis Time..: 14:32		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELKA51A2
		Dilution Factor: 1		Analysis Time..: 14:56		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3008

TOTAL Metals

Lot-Sample #...: H1J040177-008 Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1281424						
Aluminum	119 B	200	ug/L	SW846 6010B	10/09-10/10/01	ELKA61AJ
		Dilution Factor: 1		Analysis Time..: 11:56		
Antimony	ND	60.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA61AK
		Dilution Factor: 1		Analysis Time..: 11:56		
Arsenic	2.9 B	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA61AL
		Dilution Factor: 1		Analysis Time..: 11:56		
Barium	381	200	ug/L	SW846 6010B	10/09-10/10/01	ELKA61AM
		Dilution Factor: 1		Analysis Time..: 11:56		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA61AN
		Dilution Factor: 1		Analysis Time..: 11:56		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA61AP
		Dilution Factor: 1		Analysis Time..: 11:56		
Calcium	299000	5000	ug/L	SW846 6010B	10/09-10/10/01	ELKA61AQ
		Dilution Factor: 1		Analysis Time..: 11:56		
Chromium	2.9 B	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA61AR
		Dilution Factor: 1		Analysis Time..: 11:56		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA61AT
		Dilution Factor: 1		Analysis Time..: 11:56		
Copper	24.3 B	25.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA61AU
		Dilution Factor: 1		Analysis Time..: 11:56		
Iron	978	100	ug/L	SW846 6010B	10/09-10/10/01	ELKA61AV
		Dilution Factor: 1		Analysis Time..: 11:56		
Lead	ND	3.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA61AW
		Dilution Factor: 1		Analysis Time..: 11:56		
Magnesium	224000	5000	ug/L	SW846 6010B	10/09-10/10/01	ELKA61AX
		Dilution Factor: 1		Analysis Time..: 11:56		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3008

TOTAL Metals

Lot-Sample #...: H1J040177-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**641**	**15.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKA61A0**
		Dilution Factor: 1		Analysis Time..: 11:56		
Nickel	ND	40.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA61A1
		Dilution Factor: 1		Analysis Time..: 11:56		
Potassium	**98800**	**5000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKA61A2**
		Dilution Factor: 1		Analysis Time..: 11:56		
Selenium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA61A3
		Dilution Factor: 1		Analysis Time..: 11:56		
Silver	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELKA61A4
		Dilution Factor: 1		Analysis Time..: 11:56		
Sodium	**1330000**	**25000**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKA61A5**
		Dilution Factor: 5		Analysis Time..: 15:55		
Thallium	**5.4 B**	**10.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKA61A6**
		Dilution Factor: 1		Analysis Time..: 11:56		
Vanadium	**2.1 B**	**50.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKA61AA**
		Dilution Factor: 1		Analysis Time..: 11:56		
Zinc	**16.2 B**	**20.0**	**ug/L**	**SW846 6010B**	**10/09-10/10/01**	**ELKA61AC**
		Dilution Factor: 1		Analysis Time..: 11:56		
Prep Batch #...: 1282394						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELKA61AD
		Dilution Factor: 1		Analysis Time..: 13:06		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3008

DISSOLVED Metals

Lot-Sample #...: H1J040177-009 Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	**86.0 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA81AE**
		Dilution Factor: 1		Analysis Time..: 14:37		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA81AF
		Dilution Factor: 1		Analysis Time..: 14:37		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA81AG
		Dilution Factor: 1		Analysis Time..: 14:37		
Barium	**387**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA81AH**
		Dilution Factor: 1		Analysis Time..: 14:37		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA81AJ
		Dilution Factor: 1		Analysis Time..: 14:37		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA81AK
		Dilution Factor: 1		Analysis Time..: 14:37		
Calcium	**298000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA81AL**
		Dilution Factor: 1		Analysis Time..: 14:37		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA81AM
		Dilution Factor: 1		Analysis Time..: 14:37		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA81AN
		Dilution Factor: 1		Analysis Time..: 14:37		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA81AP
		Dilution Factor: 1		Analysis Time..: 14:37		
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELKA81AQ
		Dilution Factor: 1		Analysis Time..: 14:37		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA81AR
		Dilution Factor: 1		Analysis Time..: 14:37		
Magnesium	**227000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA81AT**
		Dilution Factor: 1		Analysis Time..: 14:37		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3008

DISSOLVED Metals

Lot-Sample #...: H1J040177-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**621**	**15.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA81AU**
		Dilution Factor: 1		Analysis Time..: 14:37		
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA81AV
		Dilution Factor: 1		Analysis Time..: 14:37		
Potassium	**97200**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA81AW**
		Dilution Factor: 1		Analysis Time..: 14:37		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA81AX
		Dilution Factor: 1		Analysis Time..: 14:37		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA81A0
		Dilution Factor: 1		Analysis Time..: 14:37		
Sodium	**1350000**	**25000**	**ug/L**	**SW846 6010B**	**10/11-10/15/01**	**ELKA81A1**
		Dilution Factor: 5		Analysis Time..: 11:58		
Thallium	**4.8 B**	**10.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELKA81A2**
		Dilution Factor: 1		Analysis Time..: 14:37		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA81AA
		Dilution Factor: 1		Analysis Time..: 14:37		
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELKA81AC
		Dilution Factor: 1		Analysis Time..: 14:37		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELKA81AD
		Dilution Factor: 1		Analysis Time..: 15:02		

NOTE(S):

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J040177 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J080000-424 Prep Batch #...: 1281424						
Aluminum	ND	200	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AA
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Antimony	ND	60.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AC
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AD
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Barium	ND	200	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AE
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AF
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AG
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Calcium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AH
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Chromium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AJ
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AK
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Copper	ND	25.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AL
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Iron	ND	100	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AM
		Dilution Factor: 1				
		Analysis Time..: 10:49				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J040177 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AN
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Magnesium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AP
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Manganese	ND	15.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AQ
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Nickel	ND	40.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AR
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Potassium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AT
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Selenium	ND	5.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AU
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Silver	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AV
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Sodium	ND	5000	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AW
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Thallium	ND	10.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1AX
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1A0
		Dilution Factor: 1				
		Analysis Time..: 10:49				
Zinc	ND	20.0	ug/L	SW846 6010B	10/09-10/10/01	ELRCX1A1
		Dilution Factor: 1				
		Analysis Time..: 10:49				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J040177 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J090000-394 **Prep Batch #...:** 1282394						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/10/01	ELT7K1AA
		Dilution Factor: 1				
		Analysis Time..: 12:40				

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J040177 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J100000-300 **Prep Batch #...:** 1283300						
Aluminum	ND	200	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AA
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AC
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AD
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Barium	ND	200	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AE
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AF
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AG
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Calcium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AH
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AJ
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AK
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AL
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AM
		Dilution Factor: 1				
		Analysis Time..: 12:07				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J040177 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J100000-449 **Prep Batch #...:** 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELW7T1AA
		Dilution Factor: 1				
		Analysis Time..: 14:49				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J040177 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J080000-424 **Prep Batch #...:** 1281424							
Aluminum	2000	1980	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1A2
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Antimony	500	490	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A3
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Arsenic	2000	1980	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1A4
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Barium	2000	1960	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A5
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Beryllium	50.0	50.9	ug/L	102	SW846 6010B	10/09-10/10/01	ELRCX1A6
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Cadmium	50.0	48.8	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A7
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Calcium	50000	48700	ug/L	97	SW846 6010B	10/09-10/10/01	ELRCX1A8
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Chromium	200	196	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1A9
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Cobalt	500	495	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CA
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Copper	250	245	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CC
			Dilution Factor: 1				
			Analysis Time..: 10:53				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J040177 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	978	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CD
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Lead	500	492	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CE
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Magnesium	50000	48400	ug/L	97	SW846 6010B	10/09-10/10/01	ELRCX1CF
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Manganese	500	499	ug/L	100	SW846 6010B	10/09-10/10/01	ELRCX1CG
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Nickel	500	493	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CH
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Potassium	50000	48800	ug/L	98	SW846 6010B	10/09-10/10/01	ELRCX1CJ
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Selenium	2000	2030	ug/L	101	SW846 6010B	10/09-10/10/01	ELRCX1CK
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Silver	50.0	48.2	ug/L	96	SW846 6010B	10/09-10/10/01	ELRCX1CL
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Sodium	50000	50000	ug/L	100	SW846 6010B	10/09-10/10/01	ELRCX1CM
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Thallium	2000	1980	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CN
			Dilution Factor: 1				
			Analysis Time..: 10:53				
Vanadium	500	494	ug/L	99	SW846 6010B	10/09-10/10/01	ELRCX1CP
			Dilution Factor: 1				
			Analysis Time..: 10:53				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J040177 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	519	ug/L	104	SW846 6010B	10/09-10/10/01	ELRCX1CQ
			Dilution Factor: 1				
			Analysis Time..: 10:53				

LCS Lot-Sample#: H1J090000-394 **Prep Batch #...:** 1282394

Mercury	0.00500	0.00508	mg/L	102	SW846 7470A	10/10/01	ELT7K1AC
			Dilution Factor: 1				
			Analysis Time..: 12:46				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J040177 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J100000-300 **Prep Batch #...:** 1283300							
Aluminum	2000	2030	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1A2
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Antimony	500	498	ug/L	100	SW846 6010B	10/11-10/12/01	ELWHC1A3
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Arsenic	2000	2030	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1A4
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Barium	2000	1990	ug/L	100	SW846 6010B	10/11-10/12/01	ELWHC1A5
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Beryllium	50.0	52.6	ug/L	105	SW846 6010B	10/11-10/12/01	ELWHC1A6
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Cadmium	50.0	50.4	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1A7
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Calcium	50000	50500	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1A8
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Chromium	200	202	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1A9
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Cobalt	500	510	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1CA
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Copper	250	247	ug/L	99	SW846 6010B	10/11-10/12/01	ELWHC1CC
			Dilution Factor: 1				
			Analysis Time..: 12:34				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J040177 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	999	ug/L	100	SW846 6010B	10/11-10/12/01	ELWHC1CD
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Lead	500	504	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1CE
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Magnesium	50000	50200	ug/L	100	SW846 6010B	10/11-10/12/01	ELWHC1CF
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Manganese	500	518	ug/L	104	SW846 6010B	10/11-10/12/01	ELWHC1CG
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Nickel	500	503	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1CH
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Potassium	50000	48800	ug/L	98	SW846 6010B	10/11-10/12/01	ELWHC1CJ
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Selenium	2000	2090	ug/L	105	SW846 6010B	10/11-10/12/01	ELWHC1CK
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Silver	50.0	50.9	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1CL
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Sodium	50000	50500	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1CM
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Thallium	2000	2040	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1CN
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Vanadium	500	508	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1CP
			Dilution Factor: 1				
			Analysis Time..: 12:34				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J040177 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	532	ug/L	106	SW846 6010B	10/11-10/12/01	ELWHC1CQ
			Dilution Factor: 1				
			Analysis Time..: 12:34				

LCS Lot-Sample#: H1J100000-449 **Prep Batch #...:** 1283449

Mercury	0.00500	0.00541	mg/L	108	SW846 7470A	10/14/01	ELW7T1AC
			Dilution Factor: 1				
			Analysis Time..: 14:51				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J040177 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J080000-424 **Prep Batch #...:** 1281424					
Aluminum	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A2
Antimony	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A3
Arsenic	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A4
Barium	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A5
Beryllium	102	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A6
Cadmium	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A7
Calcium	97	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A8
Chromium	98	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1A9
Cobalt	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CA
Copper	98	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CC

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J040177 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CD
Lead	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CE
Magnesium	97	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CF
Manganese	100	(90 - 111)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CG
Nickel	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CH
Potassium	98	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CJ
Selenium	101	(90 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CK
Silver	96	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CL
Sodium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CM
Thallium	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CN
Vanadium	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 10:53	10/09-10/10/01	ELRCX1CP

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J040177 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	104	(90 - 115)	SW846 6010B	10/09-10/10/01	ELRCX1CQ
		Dilution Factor: 1			
		Analysis Time..: 10:53			

LCS Lot-Sample#: H1J090000-394 **Prep Batch #...:** 1282394

Mercury	102	(90 - 110)	SW846 7470A	10/10/01	ELT7K1AC
		Dilution Factor: 1			
		Analysis Time..: 12:46			

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1J040177 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JN1AA		MB Lot-Sample #:	A1J140000-109	
	ND	1.0	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 1				
Chloride - Automated		Work Order #: EL5JP1AA		MB Lot-Sample #:	A1J140000-110	
	ND	1.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 1				
Cyanide, Total		Work Order #: ELR601AA		MB Lot-Sample #:	H1J090000-165	
	ND	0.010	mg/L	SW846 9012A	10/05/01	1282165
		Dilution Factor: 1				
Cyanide, Total		Work Order #: EL1NV1AA		MB Lot-Sample #:	H1J110000-474	
	ND	0.010	mg/L	SW846 9012A	10/10/01	1284474
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: EMLPV1AA		MB Lot-Sample #:	A1J230000-365	
	ND	5.0	mg/L	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 1				
Nitrate		Work Order #: ELQ1L1AA		MB Lot-Sample #:	A1J080000-319	
	ND	0.10	mg/L	MCAWW 300.0A	10/05/01	1281319
		Dilution Factor: 1				
Nitrate		Work Order #: EL4JC1AA		MB Lot-Sample #:	A1J120000-395	
	ND	0.10	mg/L	MCAWW 353.2	10/10/01	1285395
		Dilution Factor: 1				
Nitrate		Work Order #: EL4H91AA		MB Lot-Sample #:	A1J120000-394	
	ND	0.10	mg/L	MCAWW 353.2	10/12/01	1285394
		Dilution Factor: 1				
Sulfate		Work Order #: EL8KW1AA		MB Lot-Sample #:	A1J160000-369	
	ND	5.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1				
Total Alkalinity		Work Order #: ELVWK1AA		MB Lot-Sample #:	A1J090000-560	
	2.0 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/05/01**	**1282560**
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: EL2KD1AA		MB Lot-Sample #:	A1J090000-419	
	ND	10.0	mg/L	MCAWW 160.1	10/09-10/10/01	1282419
		Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J040177 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J100000-300 **Prep Batch #...:** 1283300					
Aluminum	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A2
Antimony	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A3
Arsenic	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A4
Barium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A5
Beryllium	105	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A6
Cadmium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A7
Calcium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A8
Chromium	101	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A9
Cobalt	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CA
Copper	99	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CC

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J040177 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	106	(90 - 115)	SW846 6010B	10/11-10/12/01	ELWHC1CQ
		Dilution Factor: 1			
		Analysis Time..: 12:34			

LCS Lot-Sample#: H1J100000-449 **Prep Batch #...:** 1283449

Mercury	108	(90 - 110)	SW846 7470A	10/14/01	ELW7T1AC
		Dilution Factor: 1			
		Analysis Time..: 14:51			

NOTE(S):

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3034

General Chemistry

Lot-Sample #...: H1J040177-003 **Work Order #...:** ELKAL **Matrix.....:** WATER
Date Sampled...: 10/03/01 **Date Received..:** 10/04/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	4.3	1.0	mg/L	SW846 9060	10/31/01	1305138

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3017

General Chemistry

Lot-Sample #...: H1J040177-004 Work Order #...: ELKAT Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	4290	50.0	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 50				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/10/01	1284474
		Dilution Factor: 1				
Hardness, as CaCO3	2050	50.0	mg/L	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 10				
Nitrate	ND G	5.0	mg/L	MCAWW 353.2	10/12/01	1285394
		Dilution Factor: 50				
Nitrate	ND	0.10	mg/L	MCAWW 300.0A	10/05/01	1281319
		Dilution Factor: 1				
Sulfate	78.4	50.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 10				
Total Alkalinity	402 J	5.0	mg/L	MCAWW 310.1	10/05/01	1282560
		Dilution Factor: 1				
Total Dissolved Solids	5970	100	mg/L	MCAWW 160.1	10/09-10/10/01	1282419
		Dilution Factor: 10				
Total Organic Carbon	6.6	1.0	mg/L	SW846 9060	10/31/01	1305138
		Dilution Factor: 1				
Total Suspended Solids	23.0	4.0	mg/L	MCAWW 160.2	10/09/01	1282256
		Dilution Factor: 1				
Turbidity	76.8 J	1.0	NTU	MCAWW 180.1	10/04/01	1277588
		Dilution Factor: 2				

NOTE(S):

RL Reporting Limit

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

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3021

General Chemistry

Lot-Sample #...: H1J040177-006 Work Order #...: ELKA3 Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	2420	50.0	mg/L	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 50				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/10/01	1284474
		Dilution Factor: 1				
Hardness, as CaCO3	1680	25.0	mg/L	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 5				
Nitrate	ND G	5.0	mg/L	MCAWW 353.2	10/12/01	1285394
		Dilution Factor: 50				
Nitrate	ND	0.10	mg/L	MCAWW 300.0A	10/05/01	1281319
		Dilution Factor: 1				
Sulfate	53.6	10.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 2				
Total Alkalinity	741 J	5.0	mg/L	MCAWW 310.1	10/05/01	1282560
		Dilution Factor: 1				
Total Dissolved Solids	2680	40.0	mg/L	MCAWW 160.1	10/09-10/11/01	1282419
		Dilution Factor: 4				
Total Organic Carbon	5.7	1.0	mg/L	SW846 9060	10/31/01	1305138
		Dilution Factor: 1				
Total Suspended Solids	53.0	4.0	mg/L	MCAWW 160.2	10/09/01	1282256
		Dilution Factor: 1				
Turbidity	57.4 J	1.0	NTU	MCAWW 180.1	10/04/01	1277588
		Dilution Factor: 2				

NOTE(S):

RL Reporting Limit

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

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3008

General Chemistry

Lot-Sample #...: H1J040177-008 Work Order #...: ELKA6 Matrix.....: WATER
Date Sampled...: 10/03/01 Date Received..: 10/04/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	4130	50.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 50				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/10/01	1284474
		Dilution Factor: 1				
Hardness, as CaCO3	1660	25.0	mg/L	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 5				
Nitrate	ND G	5.0	mg/L	MCAWW 353.2	10/12/01	1285394
		Dilution Factor: 50				
Nitrate	ND	0.10	mg/L	MCAWW 300.0A	10/05/01	1281319
		Dilution Factor: 1				
Sulfate	ND	5.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1				
Total Alkalinity	630 J	5.0	mg/L	MCAWW 310.1	10/05/01	1282560
		Dilution Factor: 1				
Total Dissolved Solids	5860	100	mg/L	MCAWW 160.1	10/09-10/10/01	1282419
		Dilution Factor: 10				
Total Organic Carbon	3.9	1.0	mg/L	SW846 9060	10/31/01	1305138
		Dilution Factor: 1				
Total Suspended Solids	79.0	4.0	mg/L	MCAWW 160.2	10/09/01	1282256
		Dilution Factor: 1				
Turbidity	392 J	12.5	NTU	MCAWW 180.1	10/04/01	1277588
		Dilution Factor: 25				

NOTE(S):

RL Reporting Limit

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

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1J040177 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		Work Order #: EM52N1AA		MB Lot-Sample #:	A1K010000-138	
	ND	1.0	mg/L	SW846 9060	10/31/01	1305138
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: ELVAM1AA		MB Lot-Sample #:	A1J090000-256	
	ND	4.0	mg/L	MCAWW 160.2	10/09/01	1282256
		Dilution Factor: 1				
Turbidity		Work Order #: ELLQM1AA		MB Lot-Sample #:	A1J040000-588	
	0.020 B	**0.50**	**NTU**	**MCAWW 180.1**	**10/04/01**	**1277588**
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: H1J040177 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#:ELQ1L1AC-LCS/ELQ1L1AD-LCSD				LCS Lot-Sample#: A1J080000-319		
	2.50	2.31	mg/L	92		MCAWW 300.0A	10/05/01	1281319
	2.50	2.30	mg/L	92	0.43	MCAWW 300.0A	10/05/01	1281319

Dilution Factor: 1

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J040177 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			Work Order #: EM52N1AC LCS Lot-Sample#: A1K010000-138				
	50.4	47.9	mg/L	95	SW846 9060	10/31/01	1305138
			Dilution Factor: 1				
Total Suspended Solids			Work Order #: ELVAM1AC LCS Lot-Sample#: A1J090000-256				
	62.2	60.0	mg/L	96	MCAWW 160.2	10/09/01	1282256
			Dilution Factor: 1				
Turbidity			Work Order #: ELLQM1AC LCS Lot-Sample#: A1J040000-588				
	1.00	1.07	NTU	107	MCAWW 180.1	10/04/01	1277588
			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 #...: H1J040177 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#:ELQ1L1AC-LCS/ELQ1L1AD-LCSD				LCS Lot-Sample#: A1J080000-319	
	92	(90 - 110)			MCAWW 300.0A	10/05/01	1281319
	92	(90 - 110)	0.43	(0-20)	MCAWW 300.0A	10/05/01	1281319

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 #...: H1J040177 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JN1AC		LCS Lot-Sample#: A1J140000-109	
	93	(90 - 115)	MCAWW 325.2	10/14/01	1287109
		Dilution Factor: 1			
Chloride - Automated		Work Order #: EL5JP1AC		LCS Lot-Sample#: A1J140000-110	
	104	(90 - 115)	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 1			
Cyanide, Total		Work Order #: ELR601AC		LCS Lot-Sample#: H1J090000-165	
	100	(88 - 113)	SW846 9012A	10/05/01	1282165
		Dilution Factor: 1			
Cyanide, Total		Work Order #: EL1NV1AC		LCS Lot-Sample#: H1J110000-474	
	94	(88 - 113)	SW846 9012A	10/10/01	1284474
		Dilution Factor: 1			
Hardness, as CaCO3		Work Order #: EMLPV1AC		LCS Lot-Sample#: A1J230000-365	
	104	(84 - 116)	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 1			
Nitrate		Work Order #: EL4H91AC		LCS Lot-Sample#: A1J120000-394	
	96	(77 - 116)	MCAWW 353.2	10/12/01	1285394
		Dilution Factor: 1			
Nitrate		Work Order #: EL4JC1AC		LCS Lot-Sample#: A1J120000-395	
	88	(77 - 116)	MCAWW 353.2	10/10/01	1285395
		Dilution Factor: 1			
Sulfate		Work Order #: EL8KW1AC		LCS Lot-Sample#: A1J160000-369	
	107	(80 - 112)	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1			
Total Alkalinity		Work Order #: ELVWK1AC		LCS Lot-Sample#: A1J090000-560	
	99	(90 - 127)	MCAWW 310.1	10/05/01	1282560
		Dilution Factor: 1			
Total Dissolved Solids		Work Order #: EL2KD1AC		LCS Lot-Sample#: A1J090000-419	
	105	(69 - 120)	MCAWW 160.1	10/09-10/10/01	1282419
		Dilution Factor: 1			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: H1J040177 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		Work Order #: EM52N1AC		LCS Lot-Sample#: A1K010000-138	
	95	(88 - 115)	SW846 9060	10/31/01	1305138
		Dilution Factor: 1			
Total Suspended Solids		Work Order #: ELVAM1AC		LCS Lot-Sample#: A1J090000-256	
	96	(66 - 119)	MCAWW 160.2	10/09/01	1282256
		Dilution Factor: 1			
Turbidity		Work Order #: ELLQM1AC		LCS Lot-Sample#: A1J040000-588	
	107	(75 - 125)	MCAWW 180.1	10/04/01	1277588
		Dilution Factor: 1			

NOTE(S):

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

Sample Receipt Documentation

HIJ040177

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100301STL-K

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Keesler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/03/01
Laboratory Destination: STL - Knoxville
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 828403846720

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD3035	Water	10/03/01 09:15	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide - ph12	- ph8 - preserved in L (unfiltered)	ab with H NO3 to ph2 10-4-0
BD3034 **	Water	10/03/01 16:45	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (unfiltered)	metals - ph8 - Pres. in	d in Lab with HNO3 to ph2 for MFH
BD3017	Water	10/03/01 15:15	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide 10-4-01 MFH	metals - ph8 (TAL) (unfiltered) Cyanide ph-11	preserved in lab with HNO3 to ph2 preserved in lab with NaoH to ph12
BD3021	Water	10/03/01 15:00	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide - ph11	- ph2 Preserved in Lab to Ph	12 with NAOH ← By MFH
BD3008	Water	10/03/01 10:20	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide	metals - ph2 cyanide - ph11	preserved in Lab with NAOH
TB100301A	WATER TRIP BLANK	10/3/01 18:00	VOA vials	80-1	ICE HCl	Volatiles	to ph12	
						Rec'd temp 3°c		
						Custody Seals intact Fedex # ~~8284 0384~~ MFH	10-4-01	

Special Instructions: 8284 03846 720 MFH - 10-4-01

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: 21 DAYS / Rush:

Level of QC Required:
I. ____ II. ____ III. ____ Project Specific: ____

1. Relinquished by: [signature]	Date: 10-3-01 Time: 18:00	1. Received by: Matthew J Howard	Date: 10-4-01 Time: 0830
2. Relinquished by:	Date: Time:	2. Received by:	Date: Time:
3. Relinquished by:	Date: Time:	2. Received by:	Date: Time:

Comments: ** Note: Reduced volume submitted for BD3034 - Please try to analyze for Explosives and Semivolatiles from 2 liters submitted as compared to the normal 3 liters.
Thank You

110

STL KNOXVILLE

SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Page 1 of 24 mFH 10-4-01

CLIENT: It. Corp. PROJECT: Plumbrook ordinance works Lot No.: H1J040177

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?	✓		
(NOTE: North Carolina, 1668, 1613B have 0-4°C requirement)			
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? mFH 10-4-01	✓		✓
j. Were samples received within 1/2 of the 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: Matthew J. Howard DATE: 10-4-01

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under _____			
b. Informed Login associates of special instructions ?			

2. If custody seals were missing/not intact, was client notified? ___ ___ ___

PROJECT MANAGER : _____ DATE: _____

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
BD3017	Cyanide	4c	Rec'd ph 11, Preserved in Lab to Ph12 with NaOH
BD3021	↓	↓	↓
BD3008	↓	↓	↓
BD3035	unfiltered Metals.	4c	Rec'd Ph 8, Preserved in Lab to Ph2 with HNO3
BD3034	↓	↓	↓
BD3017	Both Filtered/unfiltered metals	↓	↓

☒ Client informed on 10/5/01 by confirmed fax. Person contacted: V Graves; M McMyler

☐ Noted actions in comments section above.

☒ No action necessary; process as is.

Project Manager: _____ Date: 10/5/01

STL KNOXVILLE

SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Page 3 of 4 Lot # H1J040177

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
BD3017	8260	3e	All VOAs Rec'd with Headspace.
BD3021	↓	↓	1 of 3 containers Rec'd with Headspa
TB100301A	8260	7b	No sample Date/time on sample Id.

STL KNOXVILLE
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 received with < ½ holding time remaining
	4e Sample preservative:_____
	4f 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): _____

STL KNOXVILLE

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT PROJECT: PBOW Lot No.: HJ040177

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

LOT FOLDER REVIEWED BY: pm DATE: 10/5/01

QA016R8.doc, 4/13/00
GKD 10-11-01

Please log each sample that request nitrate for nitrate 300. (do not use). Do not delete the other nitrate opt. 10/11/01

HJ040177

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100301STL-N

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Keesler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/03/01
Laboratory Destination: STL - North Canton
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 828403846730

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD3035	Water	10/03/01 09:15	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
BD3034	Water	10/03/01 16:45	VOA vials	80 ml	H2SO4	TOC		
BD3017	Water	10/03/01 15:15	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
BD3021	Water	10/03/01 15:00	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
BD3008	Water	10/03/01 10:20	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		

Special Instructions:

Possible Hazard Identification: Use caution when handling.

Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:

Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:

Normal: ____ Rush: ____

Level of QC Required:

I ____ II ____ III ____ Project Specific: ____

1. Relinquished by:	Date: 10-03-01	1. Received by: Anne Sanders	Date: 10-4-01
	Time: 18:00		Time: 9:15
2. Relinquished by:	Date:	2. Received by:	Date:
	Time:		Time:
3. Relinquished by:	Date:	2. Received by:	Date:
	Time:		Time:

Comments: Please disregard laboratory reference on bottle labels.

STL Cooler Receipt Form/Narrative
North Canton Facility

Client: IT Pharmapak Project: _____ Quote#: _____
Cooler Received on: 10-4-01 Opened on: 10-4-01 by: [signature] (Signature)

Fedx ☒ Client Drop Off ☐ UPS ☐ Airborne ☐
Other: _____

Cooler ☐ Safe ☐ Foam Box ☐ Client Cooler ☒ Other: _____
STL Shipper No#: _____

1. Were custody seals on the outside of the cooler and intact? Yes ☒ No ☐
   If YES, Quantity 2 Location Overlid
   Were the custody seals signed and dated? Yes ☒ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☒ No ☐
3. Were custody papers included inside the cooler and relinquished? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used:
Peanuts ☐ Bubble Wrap ☒ Vermiculite ☐ Foam ☐ None ☐ Other: _____
6. Cooler temperature upon receipt 2.6 °C (see back of form for multiple coolers/temp)
METHOD: Temperature Vial ☒ Between Coolant & Sample Container ☐ Against Bottles ☐
COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Were all the bottles sealed in separate plastic bags? Yes ☐ No ☒
8. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
9. Did all bottle labels and tags agree with the custody papers? Yes ☒ No ☐
10. Were samples at the correct pH? Yes ☐ No ☒ NA ☐
11. Were correct bottles used for the tests indicated? Yes ☒ No ☐
12. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐
13. Was a sufficient amount of sample sent in each bottle? Yes ☒ No ☐

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐
Concerning _____

√	MACRO	MACRO
1. CHAIN OF CUSTODY		
	SR1A	Samples were received under proper custody procedures and without discrepancies.
	SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred _____
2. SAMPLE CONDITION		
	SR2A	Sample(s) _____ were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) _____ were received with insufficient volume
	SR2C	Sample(s) _____ were received in a broken container.
3. SAMPLE PRESERVATION		
✓	SR3A	Sample(s) BD3035 1x250 were further preserved in sample receiving to meet recommended pH level(s). HNO3 , BD3017 HNO3 1x250
	SR3B	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
4. NCM		
	SR4A	NCM has been generated. Refer to Clouseau for details
5. Other Anomalies (see below or back)		

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
3D[illegible]035	<2	10-4-01	AMS
3017	<2		
3021	<2		
3008	<2		

Cooler	Temp	Method	Comments

Discrepancies Cont.

Macro Name:

Macro Name:

Macro Name:

Macro Name:

Other Anomalies:

SEVERN
TRENT
SERVICES

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921-5947

Tel: 865-291-3000
Fax: 865-584-4315
www.stl-inc.com

ANALYTICAL REPORT

PBOW

Lot #: H1J050186

Maureen McMyler

IT Corporation - Knoxville
312 Directors Drive
Knoxville, TN 37923

SEVERN TRENT LABORATORIES, INC.

Jamie A. McKinney
Project Manager

November 7, 2001

SAMPLE SUMMARY

H1J050186

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ELMQD	001	BD3043	10/04/01	10:45
ELMQM	002	BD3042	10/04/01	13:15
ELMQR	003	BD3025	10/04/01	13:15
ELMQV	004	BD3046	10/04/01	13:15
ELMQ1	005	BD3048	10/04/01	13:15
ELMQ6	006	TB100401A	10/04/01	17:45
ELMQ8	007	BD3043	10/04/01	10:45
ELMRA	008	BD3042	10/04/01	13:15
ELMRD	009	BD3025	10/04/01	13:15
ELMRG	010	BD3046	10/04/01	13:15
ELMRH	011	BD3048	10/04/01	13:15

NOTE(S):

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

ANALYTICAL METHODS SUMMARY

H1J050186

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate	MCAWW 353.2
Nitroaromatics and Nitramines by HPLC	SW846 8330
Non-Filterable Residue (TSS)	MCAWW 160.2
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Sulfate	MCAWW 375.4
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	SW846 9060
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Turbidity (Nephelometric)	MCAWW 180.1
Volatile Organics by GC/MS	SW846 8260B

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
H1J050186

The results reported herein are applicable to the samples submitted for analysis only.

The original chain of custody documentation is included with this report.

Sample Receipt

Two of three volatile containers for samples BD3048, BD3043, and BD3042 were received with headspace.

The cyanide portion of sample BD3025 was received at a pH of 7. The sample was preserved by laboratory personnel.

The metals portion of sample BD3046 was received at a pH of 10. The sample was preserved by laboratory personnel.

The chain of custody requested cyanide and wet chemistry for samples BD3046 and BD3048, however, the samples were not received. The client was notified (V. Graves, 10/5/01) and informed the laboratory that the parameters were requested by mistake.

Subcontract

The following analyses were performed by STL North Canton Laboratory, 4101 Shuffel Drive, NW, North Canton, OH 44720: Hardness (MCAAW 130.2), Total Dissolved Solids (MCAAW 160.1), Total Suspended Solids (MCAAW 160.2), Turbidity, (MCAAW 180.1), Alkalinity (MCAAW 310.1), Chloride (MCAAW 325.2), Nitrate (MCAAW 353.2), Sulfate (MCAAW 375.4), and Total Organic Carbon (SW846 9060).

Quality Control

Unless otherwise noted, all holding times and QC criteria were met. The test results shown in this report meet all applicable NELAC requirements. Any exceptions are noted below.

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STL Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ, California DHS ELAP Cert. #2423, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906 (SDWA, 5/14/01-6/21/02), Hawaii DOH, Indiana DOH Cert. #C-TN-02, Kentucky DEP Lab ID #90101, Louisiana DEQ Agency Interest #83979, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #81001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, 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, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, US Army Corps of Engineers, Naval Facilities Engineering Service Center, US EPA Perchlorate Approval and USDA Soil Permit #S-46424. 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
H1J050186

Volatiles

Sample BD3043 was reported with elevated reporting limits for all analytes due to the difficult foamy sample matrix. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

Samples BD3042, BD3025, BD3046 and BD3048 were reported with elevated reporting limits for all analytes due to the presence of non-target compounds. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

Explosives

Due to sample matrix interferences, estimated results below the reporting limit were not reported for some analytes. The result was qualified with an "I" flag to indicate the presence of matrix interferences.

Metals

The serial dilution of batch QC samples ELR8L and ELR9M were outside control limits for potassium due to physical or chemical matrix interferences.

Cyanide

The standards and samples BD3025 and BD3042 were treated with bismuth nitrate to remove sulfide prior to distillation.

Total Organic Carbon

One of the CCBs was above the reporting limit. However, the next two CCBs were below the reporting limit, and all other QC was within range.

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Sample Data Summary

Volatiles

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3043

GC/MS Volatiles

Lot-Sample #...: H1J050186-001 Work Order #...: ELMQD1A4 Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01
Prep Date.....: 10/10/01 Analysis Date..: 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 5 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	5.0	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	**1.5 J,B**	**10**	**ug/L**
Acetone	**39 J**	**50**	**ug/L**
Carbon disulfide	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	25	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	25	ug/L
2-Hexanone	ND	25	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Xylenes (total)	**3.3 J**	**5.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(80 - 120)
1,2-Dichloroethane-d4	90	(80 - 120)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	96	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3043

GC/MS Volatiles

Lot-Sample #...: H1J050186-001 Work Order #...: ELMQD1A4 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: BD3042

GC/MS Volatiles

Lot-Sample #...: H1J050186-002 Work Order #...: ELMQM1AF Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01
Prep Date.....: 10/10/01 Analysis Date..: 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 100 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	200	ug/L
Bromomethane	ND	200	ug/L
Vinyl chloride	ND	100	ug/L
Chloroethane	ND	200	ug/L
Methylene chloride	**160 J,B**	**200**	**ug/L**
Acetone	**54 J**	**1000**	**ug/L**
Carbon disulfide	ND	100	ug/L
1,1-Dichloroethene	ND	100	ug/L
1,1-Dichloroethane	ND	100	ug/L
1,2-Dichloroethene (total)	ND	100	ug/L
Chloroform	ND	100	ug/L
1,2-Dichloroethane	ND	100	ug/L
2-Butanone	ND	500	ug/L
1,1,1-Trichloroethane	ND	100	ug/L
Carbon tetrachloride	ND	100	ug/L
Bromodichloromethane	ND	100	ug/L
1,2-Dichloropropane	ND	100	ug/L
cis-1,3-Dichloropropene	ND	100	ug/L
Trichloroethene	ND	100	ug/L
Dibromochloromethane	ND	100	ug/L
1,1,2-Trichloroethane	ND	100	ug/L
Benzene	ND	100	ug/L
trans-1,3-Dichloropropene	ND	100	ug/L
Bromoform	ND	100	ug/L
4-Methyl-2-pentanone	ND	500	ug/L
2-Hexanone	ND	500	ug/L
Tetrachloroethene	ND	100	ug/L
1,1,2,2-Tetrachloroethane	ND	100	ug/L
Toluene	ND	100	ug/L
Chlorobenzene	ND	100	ug/L
Ethylbenzene	**22 J**	**100**	**ug/L**
Styrene	ND	100	ug/L
Xylenes (total)	**190**	**100**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(80 - 120)
1,2-Dichloroethane-d4	85	(80 - 120)
Toluene-d8	98	(80 - 120)
Bromofluorobenzene	90	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3042

GC/MS Volatiles

Lot-Sample #...: H1J050186-002 Work Order #...: ELMQM1AF 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: BD3025

GC/MS Volatiles

Lot-Sample #...: H1J050186-003 Work Order #...: ELMQR1AF Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01
Prep Date.....: 10/10/01 Analysis Date..: 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 33.33 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	67	ug/L
Bromomethane	**7.9 J**	**67**	**ug/L**
Vinyl chloride	ND	33	ug/L
Chloroethane	ND	67	ug/L
Methylene chloride	**30 J,B**	**67**	**ug/L**
Acetone	**66 J**	**330**	**ug/L**
Carbon disulfide	ND	33	ug/L
1,1-Dichloroethene	ND	33	ug/L
1,1-Dichloroethane	ND	33	ug/L
1,2-Dichloroethene (total)	ND	33	ug/L
Chloroform	ND	33	ug/L
1,2-Dichloroethane	ND	33	ug/L
2-Butanone	ND	170	ug/L
1,1,1-Trichloroethane	ND	33	ug/L
Carbon tetrachloride	ND	33	ug/L
Bromodichloromethane	ND	33	ug/L
1,2-Dichloropropane	ND	33	ug/L
cis-1,3-Dichloropropene	ND	33	ug/L
Trichloroethene	ND	33	ug/L
Dibromochloromethane	ND	33	ug/L
1,1,2-Trichloroethane	ND	33	ug/L
Benzene	**46**	**33**	**ug/L**
trans-1,3-Dichloropropene	ND	33	ug/L
Bromoform	ND	33	ug/L
4-Methyl-2-pentanone	ND	170	ug/L
2-Hexanone	ND	170	ug/L
Tetrachloroethene	ND	33	ug/L
1,1,2,2-Tetrachloroethane	ND	33	ug/L
Toluene	**21 J**	**33**	**ug/L**
Chlorobenzene	ND	33	ug/L
Ethylbenzene	**17 J**	**33**	**ug/L**
Styrene	ND	33	ug/L
Xylenes (total)	**180**	**33**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	86	(80 - 120)
1,2-Dichloroethane-d4	89	(80 - 120)
Toluene-d8	98	(80 - 120)
Bromofluorobenzene	89	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3025

GC/MS Volatiles

Lot-Sample #...: H1J050186-003 Work Order #...: ELMQR1AF 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: BD3046

GC/MS Volatiles

Lot-Sample #...: H1J050186-004 Work Order #...: ELMQV1A4 Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01
Prep Date.....: 10/10/01 Analysis Date..: 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 20 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	40	ug/L
Bromomethane	ND	40	ug/L
Vinyl chloride	ND	20	ug/L
Chloroethane	ND	40	ug/L
Methylene chloride	**7.4 J,B**	**40**	**ug/L**
Acetone	**59 J**	**200**	**ug/L**
Carbon disulfide	**2.1 J**	**20**	**ug/L**
1,1-Dichloroethene	ND	20	ug/L
1,1-Dichloroethane	ND	20	ug/L
1,2-Dichloroethene (total)	ND	20	ug/L
Chloroform	ND	20	ug/L
1,2-Dichloroethane	ND	20	ug/L
2-Butanone	ND	100	ug/L
1,1,1-Trichloroethane	ND	20	ug/L
Carbon tetrachloride	ND	20	ug/L
Bromodichloromethane	ND	20	ug/L
1,2-Dichloropropane	ND	20	ug/L
cis-1,3-Dichloropropene	ND	20	ug/L
Trichloroethene	ND	20	ug/L
Dibromochloromethane	ND	20	ug/L
1,1,2-Trichloroethane	ND	20	ug/L
Benzene	**54**	**20**	**ug/L**
trans-1,3-Dichloropropene	ND	20	ug/L
Bromoform	ND	20	ug/L
4-Methyl-2-pentanone	ND	100	ug/L
2-Hexanone	ND	100	ug/L
Tetrachloroethene	ND	20	ug/L
1,1,2,2-Tetrachloroethane	ND	20	ug/L
Toluene	**24**	**20**	**ug/L**
Chlorobenzene	ND	20	ug/L
Ethylbenzene	**19 J**	**20**	**ug/L**
Styrene	ND	20	ug/L
Xylenes (total)	**210**	**20**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(80 - 120)
1,2-Dichloroethane-d4	91	(80 - 120)
Toluene-d8	98	(80 - 120)
Bromofluorobenzene	94	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3046

GC/MS Volatiles

Lot-Sample #...: H1J050186-004 Work Order #...: ELMQV1A4 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: BD3048

GC/MS Volatiles

Lot-Sample #...: H1J050186-005 Work Order #...: ELMQ11AF Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01
Prep Date.....: 10/10/01 Analysis Date..: 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 50 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	100	ug/L
Bromomethane	**13 J**	**100**	**ug/L**
Vinyl chloride	ND	50	ug/L
Chloroethane	ND	100	ug/L
Methylene chloride	**30 J,B**	**100**	**ug/L**
Acetone	**69 J**	**500**	**ug/L**
Carbon disulfide	ND	50	ug/L
1,1-Dichloroethene	ND	50	ug/L
1,1-Dichloroethane	ND	50	ug/L
1,2-Dichloroethene (total)	ND	50	ug/L
Chloroform	ND	50	ug/L
1,2-Dichloroethane	ND	50	ug/L
2-Butanone	ND	250	ug/L
1,1,1-Trichloroethane	ND	50	ug/L
Carbon tetrachloride	ND	50	ug/L
Bromodichloromethane	ND	50	ug/L
1,2-Dichloropropane	ND	50	ug/L
cis-1,3-Dichloropropene	ND	50	ug/L
Trichloroethene	ND	50	ug/L
Dibromochloromethane	ND	50	ug/L
1,1,2-Trichloroethane	ND	50	ug/L
Benzene	**21 J**	**50**	**ug/L**
trans-1,3-Dichloropropene	ND	50	ug/L
Bromoform	ND	50	ug/L
4-Methyl-2-pentanone	ND	250	ug/L
2-Hexanone	ND	250	ug/L
Tetrachloroethene	ND	50	ug/L
1,1,2,2-Tetrachloroethane	ND	50	ug/L
Toluene	**19 J**	**50**	**ug/L**
Chlorobenzene	ND	50	ug/L
Ethylbenzene	**24 J**	**50**	**ug/L**
Styrene	ND	50	ug/L
Xylenes (total)	**190**	**50**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	83	(80 - 120)
1,2-Dichloroethane-d4	83	(80 - 120)
Toluene-d8	98	(80 - 120)
Bromofluorobenzene	88	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3048

GC/MS Volatiles

Lot-Sample #...: H1J050186-005 Work Order #...: ELMQ11AF 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: TB100401A

GC/MS Volatiles

Lot-Sample #...: H1J050186-006 Work Order #...: ELMQ61AA Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01
Prep Date.....: 10/10/01 Analysis Date..: 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**1.8 J,B**	**2.0**	**ug/L**
Acetone	**29**	**10**	**ug/L**
Carbon disulfide	**0.24 J**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	**4.4 J**	**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	**0.32 J**	**1.0**	**ug/L**
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	**2.1**	**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	(80 - 120)
1,2-Dichloroethane-d4	90	(80 - 120)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	96	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: TB100401A

GC/MS Volatiles

Lot-Sample #...: H1J050186-006 Work Order #...: ELMQ61AA 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 #...: H1J050186 **Work Order #...:** ELV8K1AA **Matrix.....:** WATER
MB Lot-Sample #: H1J100000-240

Prep Date.....: 10/10/01
Analysis Date..: 10/10/01 **Prep Batch #...:** 1283240
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.20 J**	**2.0**	**ug/L**	**SW846 8260B**
Acetone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(80 - 120)
1,2-Dichloroethane-d4	87	(80 - 120)
Toluene-d8	98	(80 - 120)
Bromofluorobenzene	97	(72 - 135)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J050186 **Work Order #...:** ELV8K1AA **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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J050186 **Work Order #...:** ELV8K1AC **Matrix.....:** WATER
LCS Lot-Sample#: H1J100000-240
Prep Date.....: 10/10/01 **Analysis Date..:** 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**10.3**	**ug/L**	**103**	**SW846 8260B**
Trichloroethene	**10.0**	**10.6**	**ug/L**	**106**	**SW846 8260B**
Benzene	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**
Toluene	**10.0**	**11.2**	**ug/L**	**112**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.8**	**ug/L**	**108**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(80 - 120)
1,2-Dichloroethane-d4	84	(80 - 120)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	90	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J050186 **Work Order #...:** ELV8K1AC **Matrix.....:** WATER
LCS Lot-Sample#: H1J100000-240
Prep Date.....: 10/10/01 **Analysis Date..:** 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**103**	**(69 - 120)**	**SW846 8260B**
Trichloroethene	**106**	**(76 - 120)**	**SW846 8260B**
Benzene	**105**	**(76 - 120)**	**SW846 8260B**
Toluene	**112**	**(77 - 120)**	**SW846 8260B**
Chlorobenzene	**108**	**(75 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(80 - 120)
1,2-Dichloroethane-d4	84	(80 - 120)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	90	(72 - 135)

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: BD3043

GC/MS Semivolatiles

Lot-Sample #...: H1J050186-001 Work Order #...: ELMQD1A5 Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1 Method.....: SW846 8270C

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-propyl-amine	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-Trichloro-benzene	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
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3043

GC/MS Semivolatiles

Lot-Sample #...: H1J050186-001 Work Order #...: ELMQD1A5 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	75	(29 - 110)
Phenol-d5	86	(41 - 115)
Nitrobenzene-d5	91	(46 - 117)
2-Fluorobiphenyl	86	(44 - 116)
2,4,6-Tribromophenol	87	(31 - 138)
Terphenyl-d14	92	(36 - 134)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3042

GC/MS Semivolatiles

Lot-Sample #...: H1J050186-002 Work Order #...: ELMQM1AG Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1 Method.....: SW846 8270C

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-propyl-amine	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-Trichloro-benzene	ND	10	ug/L
Naphthalene	**5.2 J**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**4.5 J**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3042

GC/MS Semivolatiles

Lot-Sample #...: H1J050186-002 Work Order #...: ELMQM1AG Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(29 - 110)
Phenol-d5	74	(41 - 115)
Nitrobenzene-d5	76	(46 - 117)
2-Fluorobiphenyl	70	(44 - 116)
2,4,6-Tribromophenol	87	(31 - 138)
Terphenyl-d14	85	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3042

GC/MS Semivolatiles

Lot-Sample #...: H1J050186-002 Work Order #...: ELMQM1AG Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3025

GC/MS Semivolatiles

Lot-Sample #...: H1J050186-003 Work Order #...: ELMQR1AG Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**1.2 J**	**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-propyl-amine	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-Trichloro-benzene	ND	10	ug/L
Naphthalene	**8.6 J**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**12**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3025

GC/MS Semivolatiles

Lot-Sample #...: H1J050186-003 Work Order #...: ELMQR1AG Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	**0.82 J**	**10**	**ug/L**
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	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	72	(29 - 110)
Phenol-d5	80	(41 - 115)
Nitrobenzene-d5	84	(46 - 117)
2-Fluorobiphenyl	79	(44 - 116)
2,4,6-Tribromophenol	92	(31 - 138)
Terphenyl-d14	79	(36 - 134)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3025

GC/MS Semivolatiles

Lot-Sample #...: H1J050186-003 Work Order #...: ELMQR1AG Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3046

GC/MS Semivolatiles

Lot-Sample #...: H1J050186-004 Work Order #...: ELMQV1A5 Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**1.3 J**	**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-propyl-amine	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-Trichloro-benzene	ND	10	ug/L
Naphthalene	**8.9 J**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**12**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3046

GC/MS Semivolatiles

Lot-Sample #...: H1J050186-004 Work Order #...: ELMQV1A5 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	**0.89 J**	**10**	**ug/L**
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**1.6 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(29 - 110)
Phenol-d5	77	(41 - 115)
Nitrobenzene-d5	77	(46 - 117)
2-Fluorobiphenyl	78	(44 - 116)
2,4,6-Tribromophenol	95	(31 - 138)
Terphenyl-d14	78	(36 - 134)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3046

GC/MS Semivolatiles

Lot-Sample #...: H1J050186-004 Work Order #...: ELMQV1A5 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3048

GC/MS Semivolatiles

Lot-Sample #...: H1J050186-005 **Work Order #...:** ELMQ11AG **Matrix.....:** WATER
Date Sampled...: 10/04/01 **Date Received..:** 10/05/01
Prep Date.....: 10/07/01 **Analysis Date..:** 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1 **Method.....:** SW846 8270C

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-propyl-amine	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-Trichloro-benzene	ND	10	ug/L
Naphthalene	**3.2 J**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**3.0 J**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3048

GC/MS Semivolatiles

Lot-Sample #...: H1J050186-005 Work Order #...: ELMQ11AG Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	59	(29 - 110)
Phenol-d5	70	(41 - 115)
Nitrobenzene-d5	70	(46 - 117)
2-Fluorobiphenyl	69	(44 - 116)
2,4,6-Tribromophenol	76	(31 - 138)
Terphenyl-d14	78	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3048

GC/MS Semivolatiles

Lot-Sample #...: H1J050186-005 Work Order #...: ELMQ11AG Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J050186 Work Order #...: ELP7L1AA Matrix.....: WATER
MB Lot-Sample #: H1J070000-093

Prep Date.....: 10/07/01
Analysis Date..: 10/18/01 Prep Batch #...: 1280093
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J050186 Work Order #...: ELP7L1AA Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	81	(29 - 110)
Phenol-d5	91	(41 - 115)
Nitrobenzene-d5	91	(46 - 117)
2-Fluorobiphenyl	89	(44 - 116)
2,4,6-Tribromophenol	88	(31 - 138)
Terphenyl-d14	100	(36 - 134)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J050186 Work Order #...: ELP7L1AA Matrix.....: WATER

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J050186 Work Order #...: ELP7L1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J070000-093 ELP7L1AD-LCSD
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Phenol	100	86.1	ug/L	86		SW846 8270C
	100	85.4	ug/L	85	0.81	SW846 8270C
2-Chlorophenol	100	88.8	ug/L	89		SW846 8270C
	100	86.9	ug/L	87	2.2	SW846 8270C
1,4-Dichlorobenzene	100	86.7	ug/L	87		SW846 8270C
	100	85.1	ug/L	85	1.9	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	85.6	ug/L	86		SW846 8270C
	100	85.7	ug/L	86	0.11	SW846 8270C
1,2,4-Trichloro-benzene	100	86.7	ug/L	87		SW846 8270C
	100	85.0	ug/L	85	2.0	SW846 8270C
4-Chloro-3-methylphenol	100	92.9	ug/L	93		SW846 8270C
	100	92.5	ug/L	92	0.43	SW846 8270C
Acenaphthene	100	77.0	ug/L	77		SW846 8270C
	100	75.9	ug/L	76	1.4	SW846 8270C
4-Nitrophenol	100	96.4	ug/L	96		SW846 8270C
	100	102	ug/L	102	5.6	SW846 8270C
2,4-Dinitrotoluene	100	105	ug/L	105		SW846 8270C
	100	109	ug/L	109	3.7	SW846 8270C
Pentachlorophenol	100	93.8	ug/L	94		SW846 8270C
	100	89.9	ug/L	90	4.2	SW846 8270C
Pyrene	100	78.2	ug/L	78		SW846 8270C
	100	78.8	ug/L	79	0.76	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	88	(29 - 110)
	80	(29 - 110)
Phenol-d5	93	(41 - 115)
	91	(41 - 115)
Nitrobenzene-d5	94	(46 - 117)
	94	(46 - 117)
2-Fluorobiphenyl	92	(44 - 116)
	89	(44 - 116)
2,4,6-Tribromophenol	101	(31 - 138)
	97	(31 - 138)
Terphenyl-d14	97	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J050186 Work Order #...: ELP7L1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J070000-093 ELP7L1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	95	(36 - 134)

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 #...: H1J050186 Work Order #...: ELP7L1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J070000-093 ELP7L1AD-LCSD
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	86	(61 - 111)			SW846 8270C
	85	(61 - 111)	0.81	(0-39)	SW846 8270C
2-Chlorophenol	89	(61 - 110)			SW846 8270C
	87	(61 - 110)	2.2	(0-41)	SW846 8270C
1,4-Dichlorobenzene	87	(49 - 110)			SW846 8270C
	85	(49 - 110)	1.9	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	86	(62 - 117)			SW846 8270C
	86	(62 - 117)	0.11	(0-31)	SW846 8270C
1,2,4-Trichloro-benzene	87	(64 - 109)			SW846 8270C
	85	(64 - 109)	2.0	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	93	(70 - 109)			SW846 8270C
	92	(70 - 109)	0.43	(0-28)	SW846 8270C
Acenaphthene	77	(69 - 107)			SW846 8270C
	76	(69 - 107)	1.4	(0-29)	SW846 8270C
4-Nitrophenol	96	(59 - 120)			SW846 8270C
	102	(59 - 120)	5.6	(0-30)	SW846 8270C
2,4-Dinitrotoluene	105	(77 - 118)			SW846 8270C
	109	(77 - 118)	3.7	(0-29)	SW846 8270C
Pentachlorophenol	94	(38 - 124)			SW846 8270C
	90	(38 - 124)	4.2	(0-41)	SW846 8270C
Pyrene	78	(75 - 125)			SW846 8270C
	79	(75 - 125)	0.76	(0-26)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	88	(29 - 110)
	80	(29 - 110)
Phenol-d5	93	(41 - 115)
	91	(41 - 115)
Nitrobenzene-d5	94	(46 - 117)
	94	(46 - 117)
2-Fluorobiphenyl	92	(44 - 116)
	89	(44 - 116)
2,4,6-Tribromophenol	101	(31 - 138)
	97	(31 - 138)
Terphenyl-d14	97	(36 - 134)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J050186 **Work Order #...:** ELP7L1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J070000-093 ELP7L1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	95	(36 - 134)

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: BD3043

HPLC

Lot-Sample #...: H1J050186-001 **Work Order #...:** ELMQD1A3 **Matrix.....:** WATER
Date Sampled...: 10/04/01 **Date Received..:** 10/05/01
Prep Date.....: 10/09/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1282116
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	82	(53 - 133)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3042

HPLC

Lot-Sample #...: H1J050186-002 **Work Order #...:** ELMQM1AE **Matrix.....:** WATER
Date Sampled...: 10/04/01 **Date Received..:** 10/05/01
Prep Date.....: 10/09/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1282116
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	100	(53 - 133)

NOTE(S):

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3025

HPLC

Lot-Sample #...: H1J050186-003 **Work Order #...:** ELMQR1AE **Matrix.....:** WATER
Date Sampled...: 10/04/01 **Date Received..:** 10/05/01
Prep Date.....: 10/09/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1282116
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	ug/L
RDX	ND	0.50	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND I	0.20	ug/L
Tetryl	ND	0.20	ug/L
Nitrobenzene	ND G	1.1	ug/L
2,4,6-Trinitrotoluene	ND I	0.20	ug/L
4-Amino-2,6-dinitrotoluene	ND G	2.1	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	0.20	ug/L
2,4-Dinitrotoluene	ND	0.20	ug/L
2-Nitrotoluene	ND	0.20	ug/L
4-Nitrotoluene	ND	0.20	ug/L
3-Nitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	88	(53 - 133)

NOTE(S):

I Matrix interference.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3046

HPLC

Lot-Sample #...: H1J050186-004 **Work Order #...:** ELMQV1A3 **Matrix.....:** WATER
Date Sampled...: 10/04/01 **Date Received..:** 10/05/01
Prep Date.....: 10/09/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1282116
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	ug/L
RDX	ND	0.50	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND	0.20	ug/L
Tetryl	ND I	0.20	ug/L
Nitrobenzene	ND	0.20	ug/L
2,4,6-Trinitrotoluene	ND	0.20	ug/L
4-Amino-2,6-dinitrotoluene	ND G	1.8	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	0.20	ug/L
2,4-Dinitrotoluene	ND	0.20	ug/L
2-Nitrotoluene	ND G	2.7	ug/L
4-Nitrotoluene	ND G	0.47	ug/L
3-Nitrotoluene	ND G	0.35	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	85	(53 - 133)

NOTE(S):

I Matrix interference.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3048

HPLC

Lot-Sample #...: H1J050186-005 **Work Order #...:** ELMQ11AE **Matrix.....:** WATER
Date Sampled...: 10/04/01 **Date Received..:** 10/05/01
Prep Date.....: 10/09/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1282116
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	86	(53 - 133)

NOTE(S):

I Matrix interference.

METHOD BLANK REPORT

HPLC

Client Lot #...: H1J050186 **Work Order #...:** ELR3N1AA **Matrix.....:** WATER
MB Lot-Sample #: H1J090000-116

Prep Date.....: 10/09/01
Analysis Date..: 10/17/01 **Prep Batch #...:** 1282116
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	87	(53 - 133)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J050186 Work Order #...: ELR3N1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J090000-116 ELR3N1AD-LCSD
Prep Date.....: 10/09/01 Analysis Date..: 10/18/01
Prep Batch #...: 1282116
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	**3.00**	**3.24**	**ug/L**	**108**		**SW846 8330**
	3.00	**3.03**	**ug/L**	**101**	**6.8**	**SW846 8330**
RDX	**3.00**	**3.43**	**ug/L**	**114**		**SW846 8330**
	3.00	**3.17**	**ug/L**	**106**	**7.9**	**SW846 8330**
1,3,5-Trinitrobenzene	**3.00**	**3.41**	**ug/L**	**114**		**SW846 8330**
	3.00	**3.13**	**ug/L**	**104**	**8.4**	**SW846 8330**
1,3-Dinitrobenzene	**3.00**	**3.23**	**ug/L**	**108**		**SW846 8330**
	3.00	**2.94**	**ug/L**	**98**	**9.2**	**SW846 8330**
Tetryl	**3.00**	**3.37**	**ug/L**	**112**		**SW846 8330**
	3.00	**3.10**	**ug/L**	**103**	**8.4**	**SW846 8330**
Nitrobenzene	**3.00**	**2.97**	**ug/L**	**99**		**SW846 8330**
	3.00	**2.71**	**ug/L**	**90**	**9.0**	**SW846 8330**
2,4,6-Trinitrotoluene	**3.00**	**3.29**	**ug/L**	**110**		**SW846 8330**
	3.00	**3.02**	**ug/L**	**101**	**8.6**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**3.00**	**2.75**	**ug/L**	**92**		**SW846 8330**
	3.00	**2.58**	**ug/L**	**86**	**6.3**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**3.00**	**3.22**	**ug/L**	**107**		**SW846 8330**
	3.00	**2.97**	**ug/L**	**99**	**8.0**	**SW846 8330**
2,6-Dinitrotoluene	**3.00**	**3.42**	**ug/L**	**114**		**SW846 8330**
	3.00	**3.12**	**ug/L**	**104**	**9.2**	**SW846 8330**
2,4-Dinitrotoluene	**3.00**	**3.21**	**ug/L**	**107**		**SW846 8330**
	3.00	**2.96**	**ug/L**	**99**	**8.1**	**SW846 8330**
2-Nitrotoluene	**3.00**	**2.84**	**ug/L**	**95**		**SW846 8330**
	3.00	**2.64**	**ug/L**	**88**	**7.4**	**SW846 8330**
4-Nitrotoluene	**3.00**	**3.01**	**ug/L**	**100**		**SW846 8330**
	3.00	**2.80**	**ug/L**	**93**	**7.3**	**SW846 8330**
3-Nitrotoluene	**3.00**	**2.92**	**ug/L**	**97**		**SW846 8330**
	3.00	**2.71**	**ug/L**	**90**	**7.4**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	89	(53 - 133)
	86	(53 - 133)

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 #...: H1J050186 Work Order #...: ELR3N1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J090000-116 ELR3N1AD-LCSD
Prep Date.....: 10/09/01 Analysis Date..: 10/18/01
Prep Batch #...: 1282116
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**108**	**(68 - 122)**			**SW846 8330**
	101	**(68 - 122)**	**6.8**	**(0-25)**	**SW846 8330**
RDX	**114**	**(71 - 127)**			**SW846 8330**
	106	**(71 - 127)**	**7.9**	**(0-26)**	**SW846 8330**
1,3,5-Trinitrobenzene	**114**	**(70 - 124)**			**SW846 8330**
	104	**(70 - 124)**	**8.4**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**108**	**(72 - 124)**			**SW846 8330**
	98	**(72 - 124)**	**9.2**	**(0-25)**	**SW846 8330**
Tetryl	**112**	**(68 - 123)**			**SW846 8330**
	103	**(68 - 123)**	**8.4**	**(0-26)**	**SW846 8330**
Nitrobenzene	**99**	**(60 - 122)**			**SW846 8330**
	90	**(60 - 122)**	**9.0**	**(0-26)**	**SW846 8330**
2,4,6-Trinitrotoluene	**110**	**(71 - 123)**			**SW846 8330**
	101	**(71 - 123)**	**8.6**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**92**	**(66 - 122)**			**SW846 8330**
	86	**(66 - 122)**	**6.3**	**(0-26)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**107**	**(65 - 124)**			**SW846 8330**
	99	**(65 - 124)**	**8.0**	**(0-26)**	**SW846 8330**
2,6-Dinitrotoluene	**114**	**(66 - 129)**			**SW846 8330**
	104	**(66 - 129)**	**9.2**	**(0-26)**	**SW846 8330**
2,4-Dinitrotoluene	**107**	**(70 - 125)**			**SW846 8330**
	99	**(70 - 125)**	**8.1**	**(0-26)**	**SW846 8330**
2-Nitrotoluene	**95**	**(54 - 121)**			**SW846 8330**
	88	**(54 - 121)**	**7.4**	**(0-27)**	**SW846 8330**
4-Nitrotoluene	**100**	**(59 - 123)**			**SW846 8330**
	93	**(59 - 123)**	**7.3**	**(0-27)**	**SW846 8330**
3-Nitrotoluene	**97**	**(58 - 124)**			**SW846 8330**
	90	**(58 - 124)**	**7.4**	**(0-27)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	89	(53 - 133)
	86	(53 - 133)

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: BD3043

TOTAL Metals

Lot-Sample #...: H1J050186-001 Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283306						
Aluminum	1800 J	200	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AA
		Dilution Factor: 1		Analysis Time..: 12:38		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AC
		Dilution Factor: 1		Analysis Time..: 12:38		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AD
		Dilution Factor: 1		Analysis Time..: 12:38		
Barium	29.5 B	200	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AE
		Dilution Factor: 1		Analysis Time..: 12:38		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AF
		Dilution Factor: 1		Analysis Time..: 12:38		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AG
		Dilution Factor: 1		Analysis Time..: 12:38		
Calcium	262000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AH
		Dilution Factor: 1		Analysis Time..: 12:38		
Chromium	3.4 B	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AJ
		Dilution Factor: 1		Analysis Time..: 12:38		
Cobalt	7.2 B	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AK
		Dilution Factor: 1		Analysis Time..: 12:38		
Copper	6.7 B	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AL
		Dilution Factor: 1		Analysis Time..: 12:38		
Iron	3050	100	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AM
		Dilution Factor: 1		Analysis Time..: 12:38		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AN
		Dilution Factor: 1		Analysis Time..: 12:38		
Magnesium	121000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AP
		Dilution Factor: 1		Analysis Time..: 12:38		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3043

TOTAL Metals

Lot-Sample #...: H1J050186-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	613	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AQ
		Dilution Factor: 1		Analysis Time..: 12:38		
Nickel	10.4 B	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AR
		Dilution Factor: 1		Analysis Time..: 12:38		
Potassium	15600	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AT
		Dilution Factor: 1		Analysis Time..: 12:38		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AU
		Dilution Factor: 1		Analysis Time..: 12:38		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AV
		Dilution Factor: 1		Analysis Time..: 12:38		
Sodium	57400	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AW
		Dilution Factor: 1		Analysis Time..: 12:38		
Thallium	6.4 B	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1AX
		Dilution Factor: 1		Analysis Time..: 12:38		
Vanadium	3.1 B	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1A0
		Dilution Factor: 1		Analysis Time..: 12:38		
Zinc	25.2	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQD1A1
		Dilution Factor: 1		Analysis Time..: 12:38		
Prep Batch #...: 1283444						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELMQD1A2
		Dilution Factor: 1		Analysis Time..: 15:54		

NOTE(S):

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

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3042

TOTAL Metals

Lot-Sample #...: H1J050186-002 Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283306						
Aluminum	130 B,J	200	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1AJ
		Dilution Factor: 1		Analysis Time..: 12:42		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1AK
		Dilution Factor: 1		Analysis Time..: 12:42		
Arsenic	4.1 B	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1AL
		Dilution Factor: 1		Analysis Time..: 12:42		
Barium	29.4 B	200	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1AM
		Dilution Factor: 1		Analysis Time..: 12:42		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1AN
		Dilution Factor: 1		Analysis Time..: 12:42		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1AP
		Dilution Factor: 1		Analysis Time..: 12:42		
Calcium	439000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1AQ
		Dilution Factor: 1		Analysis Time..: 12:42		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1AR
		Dilution Factor: 1		Analysis Time..: 12:42		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1AT
		Dilution Factor: 1		Analysis Time..: 12:42		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1AU
		Dilution Factor: 1		Analysis Time..: 12:42		
Iron	66.6 B	100	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1AV
		Dilution Factor: 1		Analysis Time..: 12:42		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1AW
		Dilution Factor: 1		Analysis Time..: 12:42		
Magnesium	150000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1AX
		Dilution Factor: 1		Analysis Time..: 12:42		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3042

TOTAL Metals

Lot-Sample #...: H1J050186-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	271	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1A0
		Dilution Factor: 1		Analysis Time..: 12:42		
Nickel	2.3 B	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1A1
		Dilution Factor: 1		Analysis Time..: 12:42		
Potassium	22400	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1A2
		Dilution Factor: 1		Analysis Time..: 12:42		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1A3
		Dilution Factor: 1		Analysis Time..: 12:42		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1A4
		Dilution Factor: 1		Analysis Time..: 12:42		
Sodium	56500	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1A5
		Dilution Factor: 1		Analysis Time..: 12:42		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1A6
		Dilution Factor: 1		Analysis Time..: 12:42		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1AA
		Dilution Factor: 1		Analysis Time..: 12:42		
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQM1AC
		Dilution Factor: 1		Analysis Time..: 12:42		
Prep Batch #...: 1283444						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELMQM1AD
		Dilution Factor: 1		Analysis Time..: 15:56		

NOTE(S):

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3025

TOTAL Metals

Lot-Sample #...: H1J050186-003 Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283306						
Aluminum	94.8 B,J	200	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1AJ
		Dilution Factor: 1		Analysis Time..: 12:47		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1AK
		Dilution Factor: 1		Analysis Time..: 12:47		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1AL
		Dilution Factor: 1		Analysis Time..: 12:47		
Barium	1060	200	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1AM
		Dilution Factor: 1		Analysis Time..: 12:47		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1AN
		Dilution Factor: 1		Analysis Time..: 12:47		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1AP
		Dilution Factor: 1		Analysis Time..: 12:47		
Calcium	221000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1AQ
		Dilution Factor: 1		Analysis Time..: 12:47		
Chromium	1.2 B	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1AR
		Dilution Factor: 1		Analysis Time..: 12:47		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1AT
		Dilution Factor: 1		Analysis Time..: 12:47		
Copper	99.0	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1AU
		Dilution Factor: 1		Analysis Time..: 12:47		
Iron	149	100	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1AV
		Dilution Factor: 1		Analysis Time..: 12:47		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1AW
		Dilution Factor: 1		Analysis Time..: 12:47		
Magnesium	66200	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1AX
		Dilution Factor: 1		Analysis Time..: 12:47		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3025

TOTAL Metals

Lot-Sample #...: H1J050186-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	2.2 B	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1A0
		Dilution Factor: 1		Analysis Time..: 12:47		
Nickel	13.8 B	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1A1
		Dilution Factor: 1		Analysis Time..: 12:47		
Potassium	43800	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1A2
		Dilution Factor: 1		Analysis Time..: 12:47		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1A3
		Dilution Factor: 1		Analysis Time..: 12:47		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1A4
		Dilution Factor: 1		Analysis Time..: 12:47		
Sodium	75400	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1A5
		Dilution Factor: 1		Analysis Time..: 12:47		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1A6
		Dilution Factor: 1		Analysis Time..: 12:47		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1AA
		Dilution Factor: 1		Analysis Time..: 12:47		
Zinc	144	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQR1AC
		Dilution Factor: 1		Analysis Time..: 12:47		
Prep Batch #...: 1283444						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELMQR1AD
		Dilution Factor: 1		Analysis Time..: 15:58		

NOTE(S):

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3046

TOTAL Metals

Lot-Sample #...: H1J050186-004 Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283306						
Aluminum	**89.0 B,J**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMQV1AA**
		Dilution Factor: 1		Analysis Time..: 12:51		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQV1AC
		Dilution Factor: 1		Analysis Time..: 12:51		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQV1AD
		Dilution Factor: 1		Analysis Time..: 12:51		
Barium	**982**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMQV1AE**
		Dilution Factor: 1		Analysis Time..: 12:51		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQV1AF
		Dilution Factor: 1		Analysis Time..: 12:51		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQV1AG
		Dilution Factor: 1		Analysis Time..: 12:51		
Calcium	**207000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMQV1AH**
		Dilution Factor: 1		Analysis Time..: 12:51		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQV1AJ
		Dilution Factor: 1		Analysis Time..: 12:51		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQV1AK
		Dilution Factor: 1		Analysis Time..: 12:51		
Copper	**89.9**	**25.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMQV1AL**
		Dilution Factor: 1		Analysis Time..: 12:51		
Iron	**143**	**100**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMQV1AM**
		Dilution Factor: 1		Analysis Time..: 12:51		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQV1AN
		Dilution Factor: 1		Analysis Time..: 12:51		
Magnesium	**65000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMQV1AP**
		Dilution Factor: 1		Analysis Time..: 12:51		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3046

TOTAL Metals

Lot-Sample #...: H1J050186-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	1.9 B	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQV1AQ
		Dilution Factor: 1		Analysis Time..: 12:51		
Nickel	12.7 B	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQV1AR
		Dilution Factor: 1		Analysis Time..: 12:51		
Potassium	41400	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQV1AT
		Dilution Factor: 1		Analysis Time..: 12:51		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQV1AU
		Dilution Factor: 1		Analysis Time..: 12:51		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQV1AV
		Dilution Factor: 1		Analysis Time..: 12:51		
Sodium	71700	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQV1AW
		Dilution Factor: 1		Analysis Time..: 12:51		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQV1AX
		Dilution Factor: 1		Analysis Time..: 12:51		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQV1A0
		Dilution Factor: 1		Analysis Time..: 12:51		
Zinc	135	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQV1A1
		Dilution Factor: 1		Analysis Time..: 12:51		
Prep Batch #...: 1283444						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELMQV1A2
		Dilution Factor: 1		Analysis Time..: 16:00		

NOTE(S):

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3048

TOTAL Metals

Lot-Sample #...: H1J050186-005 Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283306						
Aluminum	120 B,J	200	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11AH
		Dilution Factor: 1		Analysis Time..: 12:56		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11AJ
		Dilution Factor: 1		Analysis Time..: 12:56		
Arsenic	4.1 B	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11AK
		Dilution Factor: 1		Analysis Time..: 12:56		
Barium	27.9 B	200	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11AL
		Dilution Factor: 1		Analysis Time..: 12:56		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11AM
		Dilution Factor: 1		Analysis Time..: 12:56		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11AN
		Dilution Factor: 1		Analysis Time..: 12:56		
Calcium	424000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11AP
		Dilution Factor: 1		Analysis Time..: 12:56		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11AQ
		Dilution Factor: 1		Analysis Time..: 12:56		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11AR
		Dilution Factor: 1		Analysis Time..: 12:56		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11AT
		Dilution Factor: 1		Analysis Time..: 12:56		
Iron	55.1 B	100	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11AU
		Dilution Factor: 1		Analysis Time..: 12:56		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11AV
		Dilution Factor: 1		Analysis Time..: 12:56		
Magnesium	144000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11AW
		Dilution Factor: 1		Analysis Time..: 12:56		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3048

TOTAL Metals

Lot-Sample #...: H1J050186-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	254	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11AX
		Dilution Factor: 1		Analysis Time..: 12:56		
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11A0
		Dilution Factor: 1		Analysis Time..: 12:56		
Potassium	20900	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11A1
		Dilution Factor: 1		Analysis Time..: 12:56		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11A2
		Dilution Factor: 1		Analysis Time..: 12:56		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11A3
		Dilution Factor: 1		Analysis Time..: 12:56		
Sodium	53800	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11A4
		Dilution Factor: 1		Analysis Time..: 12:56		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11A5
		Dilution Factor: 1		Analysis Time..: 12:56		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11AA
		Dilution Factor: 1		Analysis Time..: 12:56		
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ11AC
		Dilution Factor: 1		Analysis Time..: 12:56		
Prep Batch #...: 1283444						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELMQ11AD
		Dilution Factor: 1		Analysis Time..: 16:02		

NOTE(S):

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3043

DISSOLVED Metals

Lot-Sample #...: H1J050186-007 Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	64.8 B	200	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AA
		Dilution Factor: 1		Analysis Time..: 14:41		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AC
		Dilution Factor: 1		Analysis Time..: 14:41		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AD
		Dilution Factor: 1		Analysis Time..: 14:41		
Barium	24.0 B	200	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AE
		Dilution Factor: 1		Analysis Time..: 14:41		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AF
		Dilution Factor: 1		Analysis Time..: 14:41		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AG
		Dilution Factor: 1		Analysis Time..: 14:41		
Calcium	252000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AH
		Dilution Factor: 1		Analysis Time..: 14:41		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AJ
		Dilution Factor: 1		Analysis Time..: 14:41		
Cobalt	7.5 B	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AK
		Dilution Factor: 1		Analysis Time..: 14:41		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AL
		Dilution Factor: 1		Analysis Time..: 14:41		
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AM
		Dilution Factor: 1		Analysis Time..: 14:41		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AN
		Dilution Factor: 1		Analysis Time..: 14:41		
Magnesium	138000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AP
		Dilution Factor: 1		Analysis Time..: 14:41		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3043

DISSOLVED Metals

Lot-Sample #...: H1J050186-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	686	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AQ
		Dilution Factor: 1		Analysis Time..: 14:41		
Nickel	15.6 B	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AR
		Dilution Factor: 1		Analysis Time..: 14:41		
Potassium	21100	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AT
		Dilution Factor: 1		Analysis Time..: 14:41		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AU
		Dilution Factor: 1		Analysis Time..: 14:41		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AV
		Dilution Factor: 1		Analysis Time..: 14:41		
Sodium	78800	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AW
		Dilution Factor: 1		Analysis Time..: 14:41		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81AX
		Dilution Factor: 1		Analysis Time..: 14:41		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81A0
		Dilution Factor: 1		Analysis Time..: 14:41		
Zinc	64.7	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELMQ81A1
		Dilution Factor: 1		Analysis Time..: 14:41		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELMQ81A2
		Dilution Factor: 1		Analysis Time..: 15:04		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3042

DISSOLVED Metals

Lot-Sample #...: H1J050186-008 Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	**82.5 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRA1AE**
		Dilution Factor: 1		Analysis Time..: 14:46		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1AF
		Dilution Factor: 1		Analysis Time..: 14:46		
Arsenic	**6.0 B**	**10.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRA1AG**
		Dilution Factor: 1		Analysis Time..: 14:46		
Barium	**30.8 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRA1AH**
		Dilution Factor: 1		Analysis Time..: 14:46		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1AJ
		Dilution Factor: 1		Analysis Time..: 14:46		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1AK
		Dilution Factor: 1		Analysis Time..: 14:46		
Calcium	**427000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRA1AL**
		Dilution Factor: 1		Analysis Time..: 14:46		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1AM
		Dilution Factor: 1		Analysis Time..: 14:46		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1AN
		Dilution Factor: 1		Analysis Time..: 14:46		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1AP
		Dilution Factor: 1		Analysis Time..: 14:46		
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1AQ
		Dilution Factor: 1		Analysis Time..: 14:46		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1AR
		Dilution Factor: 1		Analysis Time..: 14:46		
Magnesium	**147000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRA1AT**
		Dilution Factor: 1		Analysis Time..: 14:46		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3042

DISSOLVED Metals

Lot-Sample #...: H1J050186-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	290	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1AU
		Dilution Factor: 1		Analysis Time..: 14:46		
Nickel	2.3 B	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1AV
		Dilution Factor: 1		Analysis Time..: 14:46		
Potassium	22500	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1AW
		Dilution Factor: 1		Analysis Time..: 14:46		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1AX
		Dilution Factor: 1		Analysis Time..: 14:46		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1A0
		Dilution Factor: 1		Analysis Time..: 14:46		
Sodium	55300	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1A1
		Dilution Factor: 1		Analysis Time..: 14:46		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1A2
		Dilution Factor: 1		Analysis Time..: 14:46		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1AA
		Dilution Factor: 1		Analysis Time..: 14:46		
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRA1AC
		Dilution Factor: 1		Analysis Time..: 14:46		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELMRA1AD
		Dilution Factor: 1		Analysis Time..: 15:06		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3025

DISSOLVED Metals

Lot-Sample #...: H1J050186-009 Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	**86.0 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRD1AH**
		Dilution Factor: 1		Analysis Time..: 14:53		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1AJ
		Dilution Factor: 1		Analysis Time..: 14:53		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1AK
		Dilution Factor: 1		Analysis Time..: 14:53		
Barium	**1080**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRD1AL**
		Dilution Factor: 1		Analysis Time..: 14:53		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1AM
		Dilution Factor: 1		Analysis Time..: 14:53		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1AN
		Dilution Factor: 1		Analysis Time..: 14:53		
Calcium	**202000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRD1AP**
		Dilution Factor: 1		Analysis Time..: 14:53		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1AQ
		Dilution Factor: 1		Analysis Time..: 14:53		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1AR
		Dilution Factor: 1		Analysis Time..: 14:53		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1AT
		Dilution Factor: 1		Analysis Time..: 14:53		
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1AU
		Dilution Factor: 1		Analysis Time..: 14:53		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1AV
		Dilution Factor: 1		Analysis Time..: 14:53		
Magnesium	**81000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRD1AW**
		Dilution Factor: 1		Analysis Time..: 14:53		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3025

DISSOLVED Metals

Lot-Sample #...: H1J050186-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	4.0 B	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1AX
		Dilution Factor: 1		Analysis Time..: 14:53		
Nickel	7.9 B	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1A0
		Dilution Factor: 1		Analysis Time..: 14:53		
Potassium	42100	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1A1
		Dilution Factor: 1		Analysis Time..: 14:53		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1A2
		Dilution Factor: 1		Analysis Time..: 14:53		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1AA
		Dilution Factor: 1		Analysis Time..: 14:53		
Sodium	94900	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1AC
		Dilution Factor: 1		Analysis Time..: 14:53		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1AD
		Dilution Factor: 1		Analysis Time..: 14:53		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1AE
		Dilution Factor: 1		Analysis Time..: 14:53		
Zinc	5.2 B	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRD1AF
		Dilution Factor: 1		Analysis Time..: 14:53		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELMRD1AG
		Dilution Factor: 1		Analysis Time..: 15:08		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3046

DISSOLVED Metals

Lot-Sample #...: H1J050186-010 Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	**76.7 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRG1AH**
		Dilution Factor: 1		Analysis Time..: 15:01		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1AJ
		Dilution Factor: 1		Analysis Time..: 15:01		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1AK
		Dilution Factor: 1		Analysis Time..: 15:01		
Barium	**1090**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRG1AL**
		Dilution Factor: 1		Analysis Time..: 15:01		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1AM
		Dilution Factor: 1		Analysis Time..: 15:01		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1AN
		Dilution Factor: 1		Analysis Time..: 15:01		
Calcium	**200000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRG1AP**
		Dilution Factor: 1		Analysis Time..: 15:01		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1AQ
		Dilution Factor: 1		Analysis Time..: 15:01		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1AR
		Dilution Factor: 1		Analysis Time..: 15:01		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1AT
		Dilution Factor: 1		Analysis Time..: 15:01		
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1AU
		Dilution Factor: 1		Analysis Time..: 15:01		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1AV
		Dilution Factor: 1		Analysis Time..: 15:01		
Magnesium	**81500**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRG1AW**
		Dilution Factor: 1		Analysis Time..: 15:01		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3046

DISSOLVED Metals

Lot-Sample #...: H1J050186-010 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	3.5 B	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1AX
		Dilution Factor: 1		Analysis Time..: 15:01		
Nickel	8.7 B	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1A0
		Dilution Factor: 1		Analysis Time..: 15:01		
Potassium	41800	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1A1
		Dilution Factor: 1		Analysis Time..: 15:01		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1A2
		Dilution Factor: 1		Analysis Time..: 15:01		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1AA
		Dilution Factor: 1		Analysis Time..: 15:01		
Sodium	95600	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1AC
		Dilution Factor: 1		Analysis Time..: 15:01		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1AD
		Dilution Factor: 1		Analysis Time..: 15:01		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1AE
		Dilution Factor: 1		Analysis Time..: 15:01		
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRG1AF
		Dilution Factor: 1		Analysis Time..: 15:01		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELMRG1AG
		Dilution Factor: 1		Analysis Time..: 15:10		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3048

DISSOLVED Metals

Lot-Sample #...: H1J050186-011 Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	**82.3 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRH1AH**
		Dilution Factor: 1		Analysis Time..: 15:06		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1AJ
		Dilution Factor: 1		Analysis Time..: 15:06		
Arsenic	**5.4 B**	**10.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRH1AK**
		Dilution Factor: 1		Analysis Time..: 15:06		
Barium	**31.4 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRH1AL**
		Dilution Factor: 1		Analysis Time..: 15:06		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1AM
		Dilution Factor: 1		Analysis Time..: 15:06		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1AN
		Dilution Factor: 1		Analysis Time..: 15:06		
Calcium	**423000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRH1AP**
		Dilution Factor: 1		Analysis Time..: 15:06		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1AQ
		Dilution Factor: 1		Analysis Time..: 15:06		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1AR
		Dilution Factor: 1		Analysis Time..: 15:06		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1AT
		Dilution Factor: 1		Analysis Time..: 15:06		
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1AU
		Dilution Factor: 1		Analysis Time..: 15:06		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1AV
		Dilution Factor: 1		Analysis Time..: 15:06		
Magnesium	**146000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELMRH1AW**
		Dilution Factor: 1		Analysis Time..: 15:06		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3048

DISSOLVED Metals

Lot-Sample #...: H1J050186-011 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	298	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1AX
		Dilution Factor: 1		Analysis Time..: 15:06		
Nickel	2.7 B	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1A0
		Dilution Factor: 1		Analysis Time..: 15:06		
Potassium	22700	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1A1
		Dilution Factor: 1		Analysis Time..: 15:06		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1A2
		Dilution Factor: 1		Analysis Time..: 15:06		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1AA
		Dilution Factor: 1		Analysis Time..: 15:06		
Sodium	55000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1AC
		Dilution Factor: 1		Analysis Time..: 15:06		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1AD
		Dilution Factor: 1		Analysis Time..: 15:06		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1AE
		Dilution Factor: 1		Analysis Time..: 15:06		
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELMRH1AF
		Dilution Factor: 1		Analysis Time..: 15:06		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELMRH1AG
		Dilution Factor: 1		Analysis Time..: 15:11		

NOTE(S):

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J050186 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J100000-300 Prep Batch #...: 1283300						
Aluminum	ND	200	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AA
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AC
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AD
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Barium	ND	200	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AE
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AF
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AG
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Calcium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AH
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AJ
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AK
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AL
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AM
		Dilution Factor: 1				
		Analysis Time..: 12:07				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J050186 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AN
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Magnesium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AP
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Manganese	ND	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AQ
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AR
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Potassium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AT
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AU
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AV
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Sodium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AW
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AX
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1A0
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1A1
		Dilution Factor: 1				
		Analysis Time..: 12:07				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J050186 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J100000-449 **Prep Batch #...:** 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELW7T1AA
		Dilution Factor: 1				
		Analysis Time..: 14:49				

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J050186 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J100000-306 Prep Batch #...: 1283306						
Aluminum	**65.1 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELWJE1AA**
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AC
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AD
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Barium	ND	200	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AE
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AF
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AG
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Calcium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AH
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AJ
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AK
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AL
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AM
		Dilution Factor: 1				
		Analysis Time..: 11:58				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J050186 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AN
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Magnesium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AP
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Manganese	ND	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AQ
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AR
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Potassium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AT
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AU
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AV
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Sodium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AW
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AX
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1A0
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1A1
		Dilution Factor: 1				
		Analysis Time..: 11:58				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J050186 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J100000-444 Prep Batch #...: 1283444						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELW7A1AA
		Dilution Factor: 1				
		Analysis Time..: 15:46				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J050186 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J100000-300 **Prep Batch #...:** 1283300							
Aluminum	2000	2030	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1A2
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Antimony	500	498	ug/L	100	SW846 6010B	10/11-10/12/01	ELWHC1A3
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Arsenic	2000	2030	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1A4
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Barium	2000	1990	ug/L	100	SW846 6010B	10/11-10/12/01	ELWHC1A5
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Beryllium	50.0	52.6	ug/L	105	SW846 6010B	10/11-10/12/01	ELWHC1A6
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Cadmium	50.0	50.4	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1A7
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Calcium	50000	50500	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1A8
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Chromium	200	202	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1A9
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Cobalt	500	510	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1CA
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Copper	250	247	ug/L	99	SW846 6010B	10/11-10/12/01	ELWHC1CC
			Dilution Factor: 1				
			Analysis Time..: 12:34				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J050186 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	999	ug/L	100	SW846 6010B	10/11-10/12/01	ELWHC1CD
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Lead	500	504	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1CE
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Magnesium	50000	50200	ug/L	100	SW846 6010B	10/11-10/12/01	ELWHC1CF
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Manganese	500	518	ug/L	104	SW846 6010B	10/11-10/12/01	ELWHC1CG
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Nickel	500	503	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1CH
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Potassium	50000	48800	ug/L	98	SW846 6010B	10/11-10/12/01	ELWHC1CJ
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Selenium	2000	2090	ug/L	105	SW846 6010B	10/11-10/12/01	ELWHC1CK
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Silver	50.0	50.9	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1CL
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Sodium	50000	50500	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1CM
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Thallium	2000	2040	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1CN
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Vanadium	500	508	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1CP
			Dilution Factor: 1				
			Analysis Time..: 12:34				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J050186 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	532	ug/L	106	SW846 6010B	10/11-10/12/01	ELWHC1CQ
			Dilution Factor: 1				
			Analysis Time..: 12:34				

LCS Lot-Sample#: H1J100000-449 **Prep Batch #...:** 1283449

Mercury	0.00500	0.00541	mg/L	108	SW846 7470A	10/14/01	ELW7T1AC
			Dilution Factor: 1				
			Analysis Time..: 14:51				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J050186 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J100000-306 **Prep Batch #...:** 1283306							
Aluminum	2000	2050	ug/L	103	SW846 6010B	10/11-10/12/01	ELWJE1A2
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Antimony	500	497	ug/L	99	SW846 6010B	10/11-10/12/01	ELWJE1A3
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Arsenic	2000	2050	ug/L	102	SW846 6010B	10/11-10/12/01	ELWJE1A4
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Barium	2000	2010	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1A5
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Beryllium	50.0	52.8	ug/L	106	SW846 6010B	10/11-10/12/01	ELWJE1A6
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Cadmium	50.0	50.6	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1A7
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Calcium	50000	50900	ug/L	102	SW846 6010B	10/11-10/12/01	ELWJE1A8
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Chromium	200	204	ug/L	102	SW846 6010B	10/11-10/12/01	ELWJE1A9
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Cobalt	500	514	ug/L	103	SW846 6010B	10/11-10/12/01	ELWJE1CA
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Copper	250	249	ug/L	100	SW846 6010B	10/11-10/12/01	ELWJE1CC
			Dilution Factor: 1				
			Analysis Time..: 12:02				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J050186 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	995	ug/L	100	SW846 6010B	10/11-10/12/01	ELWJE1CD
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Lead	500	505	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1CE
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Magnesium	50000	50600	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1CF
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Manganese	500	524	ug/L	105	SW846 6010B	10/11-10/12/01	ELWJE1CG
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Nickel	500	508	ug/L	102	SW846 6010B	10/11-10/12/01	ELWJE1CH
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Potassium	50000	49300	ug/L	99	SW846 6010B	10/11-10/12/01	ELWJE1CJ
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Selenium	2000	2090	ug/L	104	SW846 6010B	10/11-10/12/01	ELWJE1CK
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Silver	50.0	50.3	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1CL
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Sodium	50000	50400	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1CM
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Thallium	2000	2070	ug/L	103	SW846 6010B	10/11-10/12/01	ELWJE1CN
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Vanadium	500	513	ug/L	103	SW846 6010B	10/11-10/12/01	ELWJE1CP
			Dilution Factor: 1				
			Analysis Time..: 12:02				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J050186 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	537	ug/L	107	SW846 6010B	10/11-10/12/01	ELWJE1CQ
			Dilution Factor: 1				
			Analysis Time..: 12:02				

LCS Lot-Sample#: H1J100000-444 **Prep Batch #...:** 1283444

Mercury	0.00500	0.00547	mg/L	109	SW846 7470A	10/14/01	ELW7A1AC
			Dilution Factor: 1				
			Analysis Time..: 15:52				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J050186 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J100000-300 Prep Batch #...: 1283300					
Aluminum	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A2
Antimony	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A3
Arsenic	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A4
Barium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A5
Beryllium	105	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A6
Cadmium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A7
Calcium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A8
Chromium	101	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A9
Cobalt	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CA
Copper	99	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CC

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J050186 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CD
Lead	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CE
Magnesium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CF
Manganese	104	(90 - 111)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CG
Nickel	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CH
Potassium	98	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CJ
Selenium	105	(90 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CK
Silver	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CL
Sodium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CM
Thallium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CN
Vanadium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CP

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J050186 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	106	(90 - 115)	SW846 6010B	10/11-10/12/01	ELWHC1CQ
		Dilution Factor: 1			
		Analysis Time..: 12:34			

LCS Lot-Sample#: H1J100000-449 Prep Batch #...: 1283449

Mercury	108	(90 - 110)	SW846 7470A	10/14/01	ELW7T1AC
		Dilution Factor: 1			
		Analysis Time..: 14:51			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J050186 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J100000-306 **Prep Batch #...:** 1283306					
Aluminum	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A2
Antimony	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A3
Arsenic	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A4
Barium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A5
Beryllium	106	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A6
Cadmium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A7
Calcium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A8
Chromium	102	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A9
Cobalt	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CA
Copper	100	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CC

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J050186 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CD
Lead	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CE
Magnesium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CF
Manganese	105	(90 - 111)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CG
Nickel	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CH
Potassium	99	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CJ
Selenium	104	(90 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CK
Silver	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CL
Sodium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CM
Thallium	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CN
Vanadium	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CP

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J050186 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	107	(90 - 115)	SW846 6010B	10/11-10/12/01	ELWJE1CQ
		Dilution Factor: 1			
		Analysis Time..: 12:02			

LCS Lot-Sample#: H1J100000-444 **Prep Batch #...:** 1283444

Mercury	109	(90 - 110)	SW846 7470A	10/14/01	ELW7A1AC
		Dilution Factor: 1			
		Analysis Time..: 15:52			

NOTE(S):

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

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3043

General Chemistry

Lot-Sample #...: H1J050186-001 Work Order #...: ELMQD Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	19.8	1.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 1				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/09-10/10/01	1284472
		Dilution Factor: 1				
Hardness, as CaCO3	1120	25.0	mg/L	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 5				
Nitrate	ND G	2.0	mg/L	MCAWW 353.2	10/06/01	1283538
		Dilution Factor: 20				
Sulfate	839	125	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 25				
Total Alkalinity	350 J	5.0	mg/L	MCAWW 310.1	10/06/01	1282414
		Dilution Factor: 1				
Total Dissolved Solids	1650	10.0	mg/L	MCAWW 160.1	10/09-10/10/01	1282420
		Dilution Factor: 1				
Total Organic Carbon	5.7	1.0	mg/L	SW846 9060	10/31/01	1305138
		Dilution Factor: 1				
Total Suspended Solids	48.0	4.0	mg/L	MCAWW 160.2	10/09/01	1282256
		Dilution Factor: 1				
Turbidity	73.5 J	2.5	NTU	MCAWW 180.1	10/05/01	1278467
		Dilution Factor: 5				

NOTE(S):

RL Reporting Limit

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

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3042

General Chemistry

Lot-Sample #...: H1J050186-002 Work Order #...: ELMQM Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	274	5.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 5				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/10/01	1284474
		Dilution Factor: 1				
Hardness, as CaCO3	1720	25.0	mg/L	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 5				
Nitrate	ND G	2.0	mg/L	MCAWW 353.2	10/06/01	1283538
		Dilution Factor: 20				
Sulfate	1340	250	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 50				
Total Alkalinity	440 J	5.0	mg/L	MCAWW 310.1	10/06/01	1282414
		Dilution Factor: 1				
Total Dissolved Solids	2350	20.0	mg/L	MCAWW 160.1	10/09-10/10/01	1282420
		Dilution Factor: 2				
Total Organic Carbon	2.5 B	1.0	mg/L	SW846 9060	10/31/01	1305138
		Dilution Factor: 1				
Total Suspended Solids	18.0	4.0	mg/L	MCAWW 160.2	10/09/01	1282256
		Dilution Factor: 1				
Turbidity	172 J	2.5	NTU	MCAWW 180.1	10/05/01	1278467
		Dilution Factor: 5				

NOTE(S):

RL Reporting Limit

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

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

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3025

General Chemistry

Lot-Sample #...: H1J050186-003 Work Order #...: ELMQR Matrix.....: WATER
Date Sampled...: 10/04/01 Date Received..: 10/05/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	248 J	10.0	mg/L	MCAWW 325.2	10/31/01	1304395
		Dilution Factor: 10				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/17-10/18/01	1295391
		Dilution Factor: 1				
Hardness, as CaCO3	905	25.0	mg/L	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 5				
Nitrate	ND G	2.0	mg/L	MCAWW 353.2	10/06/01	1283538
		Dilution Factor: 20				
Sulfate	27.7	5.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1				
Total Alkalinity	707 J	5.0	mg/L	MCAWW 310.1	10/06/01	1282414
		Dilution Factor: 1				
Total Dissolved Solids	1110	10.0	mg/L	MCAWW 160.1	10/09-10/10/01	1282420
		Dilution Factor: 1				
Total Organic Carbon	8.6	1.0	mg/L	SW846 9060	10/31/01	1305138
		Dilution Factor: 1				
Total Suspended Solids	199	4.0	mg/L	MCAWW 160.2	10/09/01	1282256
		Dilution Factor: 1				
Turbidity	662 J	12.5	NTU	MCAWW 180.1	10/05/01	1278467
		Dilution Factor: 25				

NOTE(S):

RL Reporting Limit

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

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1J050186 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JP1AA		MB Lot-Sample #:	A1J140000-110	
	ND	1.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 1				
Chloride - Automated		**Work Order #: EM5FD1AA**		**MB Lot-Sample #:**	**A1J310000-395**	
	0.66 B	**1.0**	**mg/L**	**MCAWW 325.2**	**10/31/01**	**1304395**
		Dilution Factor: 1				
Cyanide, Total		Work Order #: EL1M91AA		MB Lot-Sample #:	H1J110000-472	
	ND	0.010	mg/L	SW846 9012A	10/09-10/10/01	1284472
		Dilution Factor: 1				
Cyanide, Total		Work Order #: EL1NV1AA		MB Lot-Sample #:	H1J110000-474	
	ND	0.010	mg/L	SW846 9012A	10/10/01	1284474
		Dilution Factor: 1				
Cyanide, Total		Work Order #: EMJ3Q1AA		MB Lot-Sample #:	H1J220000-391	
	ND	0.010	mg/L	SW846 9012A	10/17-10/18/01	1295391
		Dilution Factor: 1				
Hardness, as CaC03		Work Order #: EMLPV1AA		MB Lot-Sample #:	A1J230000-365	
	ND	5.0	mg/L	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 1				
Nitrate		Work Order #: ELXL61AA		MB Lot-Sample #:	A1J100000-538	
	ND	0.10	mg/L	MCAWW 353.2	10/06/01	1283538
		Dilution Factor: 1				
Sulfate		Work Order #: EL8KW1AA		MB Lot-Sample #:	A1J160000-369	
	ND	5.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1				
Total Alkalinity		**Work Order #: ELVA81AA**		**MB Lot-Sample #:**	**A1J090000-414**	
	2.0 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/01**	**1282414**
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: EL2LT1AA		MB Lot-Sample #:	A1J090000-420	
	ND	10.0	mg/L	MCAWW 160.1	10/09-10/10/01	1282420
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: EM52N1AA		MB Lot-Sample #:	A1K010000-138	
	ND	1.0	mg/L	SW846 9060	10/31/01	1305138
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1J050186 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		Work Order #: ELVAM1AA		MB Lot-Sample #:	A1J090000-256	
	ND	4.0	mg/L	MCAWW 160.2	10/09/01	1282256
		Dilution Factor: 1				
Turbidity		Work Order #: ELN2R1AA		MB Lot-Sample #:	A1J050000-467	
	0.020 B	0.50	NTU	MCAWW 180.1	10/05/01	1278467
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J050186 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated			Work Order #: EL5JP1AC LCS Lot-Sample#: A1J140000-110				
	124	129	mg/L	104	MCAWW 325.2	10/14/01	1287110
			Dilution Factor: 1				
Chloride - Automated			Work Order #: EM5FD1AC LCS Lot-Sample#: A1J310000-395				
	38.4	41.4	mg/L	108	MCAWW 325.2	10/31/01	1304395
			Dilution Factor: 1				
Cyanide, Total			Work Order #: EL1M91AC LCS Lot-Sample#: H1J110000-472				
	0.200	0.209	mg/L	104	SW846 9012A	10/09-10/10/01	1284472
			Dilution Factor: 1				
Cyanide, Total			Work Order #: EL1NV1AC LCS Lot-Sample#: H1J110000-474				
	0.200	0.189	mg/L	94	SW846 9012A	10/10/01	1284474
			Dilution Factor: 1				
Cyanide, Total			Work Order #: EMJ3Q1AC LCS Lot-Sample#: H1J220000-391				
	0.200	0.191	mg/L	96	SW846 9012A	10/17-10/18/01	1295391
			Dilution Factor: 1				
Hardness, as CaCO3			Work Order #: EMLPV1AC LCS Lot-Sample#: A1J230000-365				
	224	233	mg/L	104	MCAWW 130.2	10/23/01	1296365
			Dilution Factor: 1				
Nitrate			Work Order #: ELXL61AC LCS Lot-Sample#: A1J100000-538				
	0.500	0.464	mg/L	93	MCAWW 353.2	10/06/01	1283538
			Dilution Factor: 1				
Sulfate			Work Order #: EL8KW1AC LCS Lot-Sample#: A1J160000-369				
	18.3	19.6	mg/L	107	MCAWW 375.4	10/16/01	1289369
			Dilution Factor: 1				
Total Alkalinity			Work Order #: ELVA81AC LCS Lot-Sample#: A1J090000-414				
	18.3	18.2	mg/L	99	MCAWW 310.1	10/06/01	1282414
			Dilution Factor: 1				
Total Dissolved Solids			Work Order #: EL2LT1AC LCS Lot-Sample#: A1J090000-420				
	281	288	mg/L	102	MCAWW 160.1	10/09-10/10/01	1282420
			Dilution Factor: 1				

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J050186 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			Work Order #: EM52N1AC LCS Lot-Sample#: A1K010000-138				
	50.4	47.9	mg/L	95	SW846 9060	10/31/01	1305138
			Dilution Factor: 1				
Total Suspended Solids			Work Order #: ELVAM1AC LCS Lot-Sample#: A1J090000-256				
	62.2	60.0	mg/L	96	MCAWW 160.2	10/09/01	1282256
			Dilution Factor: 1				
Turbidity			Work Order #: ELN2R1AC LCS Lot-Sample#: A1J050000-467				
	1.00	1.08	NTU	108	MCAWW 180.1	10/05/01	1278467
			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 #...: H1J050186 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JP1AC		LCS Lot-Sample#: A1J140000-110	
	104	(90 - 115)	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 1			
Chloride - Automated		Work Order #: EM5FD1AC		LCS Lot-Sample#: A1J310000-395	
	108	(90 - 115)	MCAWW 325.2	10/31/01	1304395
		Dilution Factor: 1			
Cyanide, Total		Work Order #: EL1M91AC		LCS Lot-Sample#: H1J110000-472	
	104	(88 - 113)	SW846 9012A	10/09-10/10/01	1284472
		Dilution Factor: 1			
Cyanide, Total		Work Order #: EL1NV1AC		LCS Lot-Sample#: H1J110000-474	
	94	(88 - 113)	SW846 9012A	10/10/01	1284474
		Dilution Factor: 1			
Cyanide, Total		Work Order #: EMJ3Q1AC		LCS Lot-Sample#: H1J220000-391	
	96	(88 - 113)	SW846 9012A	10/17-10/18/01	1295391
		Dilution Factor: 1			
Hardness, as CaCO3		Work Order #: EMLPV1AC		LCS Lot-Sample#: A1J230000-365	
	104	(84 - 116)	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 1			
Nitrate		Work Order #: ELXL61AC		LCS Lot-Sample#: A1J100000-538	
	93	(77 - 116)	MCAWW 353.2	10/06/01	1283538
		Dilution Factor: 1			
Sulfate		Work Order #: EL8KW1AC		LCS Lot-Sample#: A1J160000-369	
	107	(80 - 112)	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1			
Total Alkalinity		Work Order #: ELVA81AC		LCS Lot-Sample#: A1J090000-414	
	99	(90 - 127)	MCAWW 310.1	10/06/01	1282414
		Dilution Factor: 1			
Total Dissolved Solids		Work Order #: EL2LT1AC		LCS Lot-Sample#: A1J090000-420	
	102	(69 - 120)	MCAWW 160.1	10/09-10/10/01	1282420
		Dilution Factor: 1			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: H1J050186 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		Work Order #: EM52N1AC		LCS Lot-Sample#: A1K010000-138	
	95	(88 - 115)	SW846 9060	10/31/01	1305138
		Dilution Factor: 1			
Total Suspended Solids		Work Order #: ELVAM1AC		LCS Lot-Sample#: A1J090000-256	
	96	(66 - 119)	MCAWW 160.2	10/09/01	1282256
		Dilution Factor: 1			
Turbidity		Work Order #: ELN2R1AC		LCS Lot-Sample#: A1J050000-467	
	108	(75 - 125)	MCAWW 180.1	10/05/01	1278467
		Dilution Factor: 1			

NOTE(S):

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

Sample Receipt Documentation

HIJ050186

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100401STL-K

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Kessler
Profit Center:
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/04/01
Laboratory Destination: STL - Knoxville
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 828403846708

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD3043 / /	Water	10/04/01 10:45	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles. Explosives, Metals (filtered & unfiltered), Cyanide	pH<2 pH>12	
BD3042 / /	Water	10/04/01 13:15	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide	pH<2 pH>12	
BD3025 / /	Water	10/04/01 13:15	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide	pH<2 pH7.1 preserved to pH>12 with NaOH	
BD3046 / /	Water	10/04/01 13:15	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide	Total pH<2 By D.F. 10-5-01 IN LAB Filter pH>10 preserved in lab to pH<2 with HNO3 By D.F. 10-5-01	
BD3048 / /	Water	10/04/01 13:15	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide	pH<2	
TB100401A /	Water	10/04/01 17:45	VOA vials	80 ml	Ice HCl	Volatiles		Rec'd temp 5°C custody seals intact
								D.F. 10-5-01 Fedex # 828403846708

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: 21 DAYS / Rush: ____

Level of QC Required:
I. ____ II. ____ III. ____ Project Specific: ____

1. Relinquished by: [signature]	Date: 10-4-01 Time: 17:00	1. Received by: David D. Flora	Date: 10-5-01 Time: 0845
2. Relinquished by:	Date: Time:	2. Received by:	Date: Time:
3. Relinquished by:	Date: Time:	2. Received by:	Date: Time:

Comments: ** Note: Reduced volume submitted for BD3034 - Please try to analyze for Explosives and Semivolatiles from 2 liters submitted as compared to the normal 3 liters.
Thank You

STL KNOXVILLE
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Page 1 of ~~2~~ 2 PF 5-10-01

CLIENT: IT Corp PROJECT: PLUMBROOK Lot No.: HTJ5D186

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?	✓		
(NOTE: North Carolina, 1668, 1613B have 0-4°C requirement)			
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 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: David D. Flores DATE: 10-5-01

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 44281			
b. Informed Login associates of special instructions ?			X
2. If custody seals were missing/not intact, was client notified?			X

PROJECT MANAGER : ym DATE: 10/9/01

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
BD3025	CN, ~~all wet~~ ym 10/10/01	4e	pH 7
BD3046	CN, 6010 all wet	↓, 4b	6010 Filter pH 10 Didn't Rec. but on COC - cyanide + wet
BD3048	CN, 8260 ↓	↓, 3e	Head space 2 of 3
BD3043	8260	3e	Head space 2 of 3
↓ 42	↓	↓	Head space 3 of 3

10/9/01 confirmation upon ym McMyler - samples on COC but not received - samples should not be on COC

☒ Client informed on 10/5/01 by phone. Person contacted: V Graves

☐ Noted actions in comments section above.

☐ No action necessary; process as is.

Project Manager: ym Date: 10/9/01

STL KNOXVILLE
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 received with < ½ holding time remaining
	4e Sample preservative: CN-PH 7, preserved in Lab to pH >12 with NAOH by D.F. 10-5-01
	4f Other: _____
	6010 Filtered pH 10, preserved in Lab to pH with HNO3 by D.F. 10-5-01
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): _____

STL KNOXVILLE

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT PROJECT: PBOW Lot No.: H1J050186

TO BE COMPETED BY PROJECT MANAGER:

1. Client Documents (Request for Analysis/Chain of Custody):	YES	NO	NA
a. Was QuanTIMS lot number documented on all paperwork?	✓		
b. Was RFA/COC signed upon receipt, including date/time?	✓		
c. Is preservative check (pH) noted on RFA/COC?	✓		
d. Is cooler temperature & custody seal condition noted on COC?	✓		

2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	✓		
b. Were tests/parameters assigned correctly?	✓		
c. Were correct analytical and report due dates assigned?	✓		
d. Has the correct fax due date been assigned to the lot?			✓
e. Is the correct report format noted in the lot summary?	✓		
f. Is percent moisture logged for samples requiring this analysis?			✓
g. Are client assigned QC samples properly defined?			✓

3. Contract/Subcontract Review:	YES	NO	NA	
a. Is there a contract number or PO for this work?			✓	
b If the purchase order number is given, is it noted in Lot header?			✓	
c. If samples were subcontracted, was copy of COC in folder?	✓			samples shipped directly there

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: JM DATE: 10/9/01

H13050186

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100401STL-N

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Kessler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/04/01
Laboratory Destination: STL - North Canton
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 828483846693

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD3043	Water	10/04/01 10:45	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
BD3042	Water	10/04/01 13:15	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
BD3025	Water	10/04/01 13:15	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
BD3046	Water	10/04/01 13:15	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
BD3048	Water	10/04/01 13:15	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: Flammable: Poison B: Unknown:

Sample Disposal:
Return to Client: Disposal by Lab: Archive:

Turnaround Time:
Normal: Rush:

Level of QC Required:
I II III

Project Specific:

1. Relinquished by: Date: 10-4-01 Time: 17:00
2. Relinquished by: Date: Time:
3. Relinquished by: Date: Time:

1. Received by: Date: 10-5-01 Time: 0915
2. Received by: Date: Time:
2. Received by: Date: Time:

Comments: Please disregard laboratory reference on bottle labels.

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H13OS086

STL Cooler Receipt Form/Narrative
North Canton Facility

Client: J-T Corp Project: _____ Quote#: _____
Cooler Received on: 10-5-01 Opened on: 10-5-01 by: _____ (Signature)

Fedx ☒ Client Drop Off ☐ UPS ☐ Airborne ☐
Other: _____

Cooler ☐ Safe ☐ Foam Box ☐ Client Cooler ☒ Other: _____
STL Shipper No#: _____

1. Were custody seals on the outside of the cooler and intact? 1 cooler left at stand — Yes ☒ No ☐
   If YES, Quantity 3 Location overall
   Were the custody seals signed and dated? Yes ☒ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☒ No ☐
3. Were custody papers included inside the cooler and relinquished? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used:
   Peanuts ☐ Bubble Wrap ☒ Vermiculite ☒ Foam ☐ None ☐ Other: _____
6. Cooler temperature upon receipt 2.5 °C (see back of form for multiple coolers/temp)
   METHOD: Temperature Vial ☒ Between Coolant & Sample Container ☐ Against Bottles ☐
   COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Were all the bottles sealed in separate plastic bags? Yes ☐ No ☒
8. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
9. Did all bottle labels and tags agree with the custody papers? Yes ☐ No ☒
10. Were samples at the correct pH? Yes ☒ No ☐ NA ☐
11. Were correct bottles used for the tests indicated? Yes ☒ No ☐
12. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒
13. Was a sufficient amount of sample sent in each bottle? Yes ☒ No ☐

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐
Concerning:

√	MACRO	MACRO
1. CHAIN OF CUSTODY		
	SR1A	Samples were received under proper custody procedures and without discrepancies.
✓	SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred DID not Receive BD3046 OR BD3048 Listed on COC.
2. SAMPLE CONDITION		
	SR2A	Sample(s) _____ were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) _____ were received with insufficient volume
	SR2C	Sample(s) _____ were received in a broken container.
3. SAMPLE PRESERVATION		
	SR3A	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s).
	SR3B	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
4. NCM		
	SR4A	NCM has been generated. Refer to Clouseau for details
5. Other Anomalies (see below or back)		

SEVERN
TRENT
SERVICES

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921-5947

Tel: 865-291-3000
Fax: 865-584-4315
www.stl-inc.com

ANALYTICAL REPORT

PBOW

Lot #: H1J060123

Maureen McMyler

IT Corporation - Knoxville
312 Directors Drive
Knoxville, TN 37923

SEVERN TRENT LABORATORIES, INC.

Jamie A. McKinney

Jamie A. McKinney
Project Manager

November 12, 2001

H1J060123 Sample Data Summary **1**

Sample Receipt Documentation **116**

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Raw Sample Data 125
Standards Data 272
Raw QC Data 323
Miscellaneous Data 342

Semi-Volatiles **348**
Raw Sample Data 349
Standards Data 395
Raw QC Data 495
Miscellaneous Data 552

Explosives **561**
Raw Sample Data 562
Standards Data 578
Raw QC Data 661
Miscellaneous Data 669

Metals **674**
Sample Results 675
QC Summary 700
Quality Control Results SuperTrace ICP 719
Quality Control Results Mercury 743
Raw Data SuperTrace ICP 759
Raw Data Mercury 952
Miscellaneous Data 971

Wet Chemistry **989**
Sample Summary 990
QC Summary 996
Raw Data 1002
Miscellaneous Data 1190

Sample Receipt Documentation **1195**

Total Number of Pages **1202**

SAMPLE SUMMARY

H1J060123

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ELPJM	001	BD3018R	10/05/01	15:3(
ELPJP	002	BD3052	10/05/01	09:2(
ELPJW	003	BD3041	10/05/01	09:0(
ELPJ2	004	BD3050	10/05/01	09:0(
ELPJ3	005	BD3006R	10/05/01	15:45
ELPJ5	006	BD3009R	10/05/01	12:0(
ELPJ7	007	TB100501A	10/05/01	17:3(
ELPJ8	008	BD3052	10/05/01	09:2(
ELPJ9	009	BD3030	10/05/01	09:20
ELPKA	010	BD3041	10/05/01	09:00
ELPKC	011	BD3050	10/05/01	09:00
ELPKD	012	BD3006R	10/05/01	15:45
ELPKE	013	BD3009R	10/05/01	12:00
ELPLR	014	BD3030	10/05/01	09:20

NOTE(S):

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

ANALYTICAL METHODS SUMMARY

H1J060123

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate	MCAWW 353.2
Nitroaromatics and Nitramines by HPLC	SW846 8330
Non-Filterable Residue (TSS)	MCAWW 160.2
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Sulfate	MCAWW 375.4
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	SW846 9060
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Turbidity (Nephelometric)	MCAWW 180.1
Volatile Organics by GC/MS	SW846 8260B

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
H1J060123

The results reported herein are applicable to the samples submitted for analysis only.

The original chain of custody documentation is included with this report.

Sample Receipt

One of three volatile vials for samples BD3052 and BD3009R was received with headspace.

All of the volatile vials for sample BD03018R were received with headspace.

Samples BD3052 and BD3050 were listed on the chain of custody for cyanide but were not received.

A cyanide portion for sample BD3006R was received but was not listed on the chain of custody.

A hardness portion of sample BD3030 was received by STL Knoxville but was not listed on the STL Knoxville chain of custody. The sample was listed on the STL North Canton chain of custody but was not received at STL North Canton.

Subcontract

The following analyses were performed by STL North Canton Laboratory, 4101 Shuffel Drive, NW, North Canton, OH 44720: Hardness (MCAAW 130.2), Total Dissolved Solids (MCAAW 160.1), Total Suspended Solids (MCAAW 160.2), Turbidity, (MCAAW 180.1), Alkalinity (MCAAW 310.1), Chloride (MCAAW 325.2), Nitrate (MCAAW 353.2), Sulfate (MCAAW 375.4), and Total Organic Carbon (SW846 9060).

Quality Control

Unless otherwise noted, all holding times and QC criteria were met. The test results shown in this report meet all applicable NELAC requirements. Any exceptions are noted below.

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STL Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ, California DHS ELAP Cert. #2423, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906 (SDWA, 5/14/01-6/21/02), Hawaii DOH, Indiana DOH Cert. #C-TN-02, Kentucky DEP Lab ID #90101, Louisiana DEQ Agency Interest #83979, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #81001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, 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, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, US Army Corps of Engineers, Naval Facilities Engineering Service Center, US EPA Perchlorate Approval and USDA Soil Permit #S-46424. 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
H1J060123

Volatiles

Samples BD3018R, BD3041 and BD3009R were reported with elevated reporting limits for all analytes due to the difficult foamy sample matrix. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

Semi-Volatiles

The surrogate recoveries for sample BD3041 were outside QC limits and a re-extraction and reanalysis were performed outside of the holding time. The results for the re-extraction indicated that the original recoveries were outside limits due to laboratory error; both sets of data were reported for compliance purposes.

Explosives

Due to sample matrix interferences, estimated results below the reporting limit were not reported for Nitrobenzene for sample BD3052. The result was qualified with an "I" flag to indicate the presence of matrix interferences.

Metals

The batch serial dilution of samples ELR9M and ELR8L were outside control limits for potassim due to physical or chemical matrix interferences.

Total Organic Carbon

One of the CCBs was above the reporting limit. However, the next two CCBs were below the reporting limit, and all other QC was within range.

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STL Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ, California DHS ELAP Cert. #2423, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906 (SDWA, 5/14/01-6/21/02), Hawaii DOH, Indiana DOH Cert. #C-TN-02, Kentucky DEP Lab ID #90101, Louisiana DEQ Agency Interest #83979, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #81001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, 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, Utah DOH Cust. ID QUAN3, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, US Army Corps of Engineers, Naval Facilities Engineering Service Center, US EPA Perchlorate Approval and USDA Soil Permit #S-46424. 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: BD3018R

GC/MS Volatiles

Lot-Sample #...: H1J060123-001 Work Order #...: ELPJM1AA Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01
Prep Date.....: 10/10/01 Analysis Date..: 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 5 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	5.0	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	**1.4 J,B**	**10**	**ug/L**
Acetone	**9.4 J**	**50**	**ug/L**
Carbon disulfide	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	ND	25	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	25	ug/L
2-Hexanone	ND	25	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Xylenes (total)	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(80 - 120)
1,2-Dichloroethane-d4	93	(80 - 120)
Toluene-d8	96	(80 - 120)
Bromofluorobenzene	97	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3018R

GC/MS Volatiles

Lot-Sample #...: H1J060123-001 Work Order #...: ELPJM1AA 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: BD3052

GC/MS Volatiles

Lot-Sample #...:	H1J060123-002	Work Order #...:	ELPJP1A4	Matrix.....:	WATER
Date Sampled...:	10/05/01	Date Received..:	10/06/01		
Prep Date.....:	10/10/01	Analysis Date..:	10/10/01		
Prep Batch #...:	1283240				
Dilution Factor:	1	Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	**0.11 J**	**2.0**	**ug/L**
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.27 J,B**	**2.0**	**ug/L**
Acetone	**1.9 J**	**10**	**ug/L**
Carbon disulfide	**0.44 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	**0.40 J**	**1.0**	**ug/L**
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	**0.38 J**	**5.0**	**ug/L**
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	**0.24 J**	**1.0**	**ug/L**
Toluene	**0.90 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	**0.24 J**	**1.0**	**ug/L**
Styrene	ND	1.0	ug/L
Xylenes (total)	**1.7**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(80 - 120)
1,2-Dichloroethane-d4	90	(80 - 120)
Toluene-d8	98	(80 - 120)
Bromofluorobenzene	94	(72 - 135)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3052

GC/MS Volatiles

Lot-Sample #...: H1J060123-002 Work Order #...: ELPJP1A4 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: BD3041

GC/MS Volatiles

Lot-Sample #...: H1J060123-003 Work Order #...: ELPJW1A4 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01
Prep Date.....: 10/10/01 Analysis Date..: 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 2 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	4.0	ug/L
Bromomethane	ND	4.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	4.0	ug/L
Methylene chloride	**0.50 J,B**	**4.0**	**ug/L**
Acetone	**36**	**20**	**ug/L**
Carbon disulfide	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Chloroform	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
cis-1,3-Dichloropropene	ND	2.0	ug/L
Trichloroethene	ND	2.0	ug/L
Dibromochloromethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Benzene	**1.4 J**	**2.0**	**ug/L**
trans-1,3-Dichloropropene	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Toluene	**1.3 J**	**2.0**	**ug/L**
Chlorobenzene	ND	2.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Styrene	ND	2.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(80 - 120)
1,2-Dichloroethane-d4	89	(80 - 120)
Toluene-d8	96	(80 - 120)
Bromofluorobenzene	96	(72 - 135)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3041

GC/MS Volatiles

Lot-Sample #...: H1J060123-003 Work Order #...: ELPJW1A4 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: BD3050

GC/MS Volatiles

Lot-Sample #...: H1J060123-004 Work Order #...: ELPJ21A4 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01
Prep Date.....: 10/10/01 Analysis Date..: 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.80 J,B**	**2.0**	**ug/L**
Acetone	**40**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	**1.4**	**1.0**	**ug/L**
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**1.2**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	**0.89 J**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(80 - 120)
1,2-Dichloroethane-d4	92	(80 - 120)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	94	(72 - 135)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3050

GC/MS Volatiles

Lot-Sample #...: H1J060123-004 Work Order #...: ELPJ21A4 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: BD3006R

GC/MS Volatiles

Lot-Sample #...: H1J060123-005 Work Order #...: ELPJ31A3 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01
Prep Date.....: 10/10/01 Analysis Date..: 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	**2.7 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(80 - 120)
1,2-Dichloroethane-d4	90	(80 - 120)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	95	(72 - 135)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3006R

GC/MS Volatiles

Lot-Sample #...: H1J060123-005 Work Order #...: ELPJ31A3 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3009R

GC/MS Volatiles

Lot-Sample #...: H1J060123-006 **Work Order #...:** ELPJ51A3 **Matrix.....:** WATER
Date Sampled...: 10/05/01 **Date Received..:** 10/06/01
Prep Date.....: 10/10/01 **Analysis Date..:** 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 2 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	4.0	ug/L
Bromomethane	ND	4.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	4.0	ug/L
Methylene chloride	**0.50 J,B**	**4.0**	**ug/L**
Acetone	**3.0 J**	**20**	**ug/L**
Carbon disulfide	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Chloroform	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
cis-1,3-Dichloropropene	ND	2.0	ug/L
Trichloroethene	ND	2.0	ug/L
Dibromochloromethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Benzene	ND	2.0	ug/L
trans-1,3-Dichloropropene	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Toluene	ND	2.0	ug/L
Chlorobenzene	ND	2.0	ug/L
Ethylbenzene	ND	2.0	ug/L
Styrene	ND	2.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	91	(80 - 120)
Toluene-d8	95	(80 - 120)
Bromofluorobenzene	93	(72 - 135)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3009R

GC/MS Volatiles

Lot-Sample #...: H1J060123-006 Work Order #...: ELPJ51A3 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: TB100501A

GC/MS Volatiles

Lot-Sample #...: H1J060123-007 Work Order #...: ELPJ71AA Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01
Prep Date.....: 10/10/01 Analysis Date..: 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.70 J,B**	**2.0**	**ug/L**
Acetone	**1.6 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	87	(80 - 120)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	98	(72 - 135)

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IT CORPORATION - KNOXVILLE

Client Sample ID: TB100501A

GC/MS Volatiles

Lot-Sample #...: H1J060123-007 Work Order #...: ELPJ71AA 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: BD3030

GC/MS Volatiles

Lot-Sample #...: H1J060123-014 Work Order #...: ELPLR1A4 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01
Prep Date.....: 10/10/01 Analysis Date..: 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.30 J,B**	**2.0**	**ug/L**
Acetone	**1.7 J**	**10**	**ug/L**
Carbon disulfide	**0.48 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	**0.37 J**	**1.0**	**ug/L**
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	**0.30 J**	**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	**0.80 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	**0.22 J**	**1.0**	**ug/L**
Styrene	ND	1.0	ug/L
Xylenes (total)	**1.5**	**1.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(80 - 120)
1,2-Dichloroethane-d4	85	(80 - 120)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	93	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3030

GC/MS Volatiles

Lot-Sample #...: H1J060123-014 Work Order #...: ELPLR1A4 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 #...: H1J060123 **Work Order #...:** ELV8K1AA **Matrix.....:** WATER
MB Lot-Sample #: H1J100000-240

Prep Date.....: 10/10/01
Analysis Date..: 10/10/01 **Prep Batch #...:** 1283240
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.20 J**	**2.0**	**ug/L**	**SW846 8260B**
Acetone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(80 - 120)
1,2-Dichloroethane-d4	87	(80 - 120)
Toluene-d8	98	(80 - 120)
Bromofluorobenzene	97	(72 - 135)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J060123 Work Order #...: ELV8K1AA 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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J060123 **Work Order #...:** ELV8K1AC **Matrix.....:** WATER
LCS Lot-Sample#: H1J100000-240
Prep Date.....: 10/10/01 **Analysis Date..:** 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**10.3**	**ug/L**	**103**	**SW846 8260B**
Trichloroethene	**10.0**	**10.6**	**ug/L**	**106**	**SW846 8260B**
Benzene	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**
Toluene	**10.0**	**11.2**	**ug/L**	**112**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.8**	**ug/L**	**108**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(80 - 120)
1,2-Dichloroethane-d4	84	(80 - 120)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	90	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J060123 **Work Order #...:** ELV8K1AC **Matrix.....:** WATER
LCS Lot-Sample#: H1J100000-240
Prep Date.....: 10/10/01 **Analysis Date..:** 10/10/01
Prep Batch #...: 1283240
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**103**	**(69 - 120)**	**SW846 8260B**
Trichloroethene	**106**	**(76 - 120)**	**SW846 8260B**
Benzene	**105**	**(76 - 120)**	**SW846 8260B**
Toluene	**112**	**(77 - 120)**	**SW846 8260B**
Chlorobenzene	**108**	**(75 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(80 - 120)
1,2-Dichloroethane-d4	84	(80 - 120)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	90	(72 - 135)

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: BD3052

GC/MS Semivolatiles

Lot-Sample #...: H1J060123-002 Work Order #...: ELPJP1A5 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1 Method.....: SW846 8270C

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-propyl-amine	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-Trichloro-benzene	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
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3052

GC/MS Semivolatiles

Lot-Sample #...: H1J060123-002 Work Order #...: ELPJP1A5 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	(29 - 110)
Phenol-d5	81	(41 - 115)
Nitrobenzene-d5	85	(46 - 117)
2-Fluorobiphenyl	86	(44 - 116)
2,4,6-Tribromophenol	85	(31 - 138)
Terphenyl-d14	90	(36 - 134)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3041

GC/MS Semivolatiles

Lot-Sample #...: H1J060123-003 Work Order #...: ELPJW1A5 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1 Method.....: SW846 8270C

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-propyl-amine	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-Trichloro-benzene	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
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3041

GC/MS Semivolatiles

Lot-Sample #...: H1J060123-003 Work Order #...: ELPJW1A5 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	28 *	(29 - 110)
Phenol-d5	59	(41 - 115)
Nitrobenzene-d5	80	(46 - 117)
2-Fluorobiphenyl	78	(44 - 116)
2,4,6-Tribromophenol	3.2 *	(31 - 138)
Terphenyl-d14	82	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3041

GC/MS Semivolatiles

Lot-Sample #...: H1J060123-003 Work Order #...: ELPJW1A5 Matrix.....: WATER

NOTE(S):

* Surrogate recovery is outside stated control limits.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3041

GC/MS Semivolatiles

Lot-Sample #...: H1J060123-003 Work Order #...: ELPJW2A5 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01
Prep Date.....: 10/19/01 Analysis Date..: 10/22/01
Prep Batch #...: 1292142
Dilution Factor: 1.92 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	19	ug/L
bis(2-Chloroethyl)-ether	ND	19	ug/L
2-Chlorophenol	ND	19	ug/L
1,3-Dichlorobenzene	ND	19	ug/L
1,4-Dichlorobenzene	ND	19	ug/L
1,2-Dichlorobenzene	ND	19	ug/L
2-Methylphenol	ND	19	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	19	ug/L
4-Methylphenol	ND	19	ug/L
N-Nitrosodi-n-propyl-amine	ND	19	ug/L
Hexachloroethane	ND	19	ug/L
Nitrobenzene	ND	19	ug/L
Isophorone	ND	19	ug/L
2-Nitrophenol	ND	19	ug/L
2,4-Dimethylphenol	ND	19	ug/L
bis(2-Chloroethoxy) methane	ND	19	ug/L
2,4-Dichlorophenol	ND	19	ug/L
1,2,4-Trichloro-benzene	ND	19	ug/L
Naphthalene	ND	19	ug/L
4-Chloroaniline	ND	19	ug/L
Hexachlorobutadiene	ND	19	ug/L
4-Chloro-3-methylphenol	ND	19	ug/L
2-Methylnaphthalene	ND	19	ug/L
Hexachlorocyclopenta-diene	ND	96	ug/L
2,4,6-Trichloro-phenol	ND	19	ug/L
2,4,5-Trichloro-phenol	ND	19	ug/L
2-Chloronaphthalene	ND	19	ug/L
2-Nitroaniline	ND	96	ug/L
Dimethyl phthalate	ND	19	ug/L
Acenaphthylene	ND	19	ug/L
2,6-Dinitrotoluene	ND	19	ug/L

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3041

GC/MS Semivolatiles

Lot-Sample #...: H1J060123-003 Work Order #...: ELPJW2A5 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	96	ug/L
Acenaphthene	ND	19	ug/L
2,4-Dinitrophenol	ND	96	ug/L
4-Nitrophenol	ND	96	ug/L
Dibenzofuran	ND	19	ug/L
2,4-Dinitrotoluene	ND	19	ug/L
Diethyl phthalate	ND	19	ug/L
4-Chlorophenyl phenyl ether	ND	19	ug/L
Fluorene	ND	19	ug/L
4-Nitroaniline	ND	96	ug/L
4,6-Dinitro-2-methylphenol	ND	96	ug/L
N-Nitrosodiphenylamine	ND	19	ug/L
4-Bromophenyl phenyl ether	ND	19	ug/L
Hexachlorobenzene	ND	19	ug/L
Pentachlorophenol	ND	96	ug/L
Phenanthrene	ND	19	ug/L
Anthracene	ND	19	ug/L
Carbazole	ND	19	ug/L
Di-n-butyl phthalate	ND	19	ug/L
Fluoranthene	ND	19	ug/L
Pyrene	ND	19	ug/L
Butyl benzyl phthalate	ND	19	ug/L
3,3'-Dichlorobenzidine	ND	96	ug/L
Benzo(a)anthracene	ND	19	ug/L
Chrysene	ND	19	ug/L
bis(2-Ethylhexyl) phthalate	ND	19	ug/L
Di-n-octyl phthalate	ND	19	ug/L
Benzo(b)fluoranthene	ND	19	ug/L
Benzo(k)fluoranthene	ND	19	ug/L
Benzo(a)pyrene	ND	19	ug/L
Indeno(1,2,3-cd)pyrene	ND	19	ug/L
Dibenz(a,h)anthracene	ND	19	ug/L
Benzo(ghi)perylene	ND	19	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(29 - 110)
Phenol-d5	84	(41 - 115)
Nitrobenzene-d5	90	(46 - 117)
2-Fluorobiphenyl	88	(44 - 116)
2,4,6-Tribromophenol	88	(31 - 138)
Terphenyl-d14	90	(36 - 134)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3050

GC/MS Semivolatiles

Lot-Sample #...: H1J060123-004 Work Order #...: ELPJ21A5 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1 Method.....: SW846 8270C

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-propyl-amine	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-Trichloro-benzene	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
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3050

GC/MS Semivolatiles

Lot-Sample #...: H1J060123-004 Work Order #...: ELPJ21A5 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	76	(29 - 110)
Phenol-d5	91	(41 - 115)
Nitrobenzene-d5	88	(46 - 117)
2-Fluorobiphenyl	90	(44 - 116)
2,4,6-Tribromophenol	89	(31 - 138)
Terphenyl-d14	90	(36 - 134)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3030

GC/MS Semivolatiles

Lot-Sample #...: H1J060123-014 Work Order #...: ELPLR1A5 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1 Method.....: SW846 8270C

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-propyl-amine	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-Trichloro-benzene	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
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3030

GC/MS Semivolatiles

Lot-Sample #...: H1J060123-014 Work Order #...: ELPLR1A5 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	**0.86 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(29 - 110)
Phenol-d5	87	(41 - 115)
Nitrobenzene-d5	93	(46 - 117)
2-Fluorobiphenyl	86	(44 - 116)
2,4,6-Tribromophenol	97	(31 - 138)
Terphenyl-d14	97	(36 - 134)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3030

GC/MS Semivolatiles

Lot-Sample #...: H1J060123-014 Work Order #...: ELPLR1A5 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J060123 Work Order #...: ELP7L1AA Matrix.....: WATER
MB Lot-Sample #: H1J070000-093
Prep Date.....: 10/07/01
Analysis Date..: 10/18/01 Prep Batch #...: 1280093
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J060123 Work Order #...: ELP7L1AA Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	81	(29 - 110)
Phenol-d5	91	(41 - 115)
Nitrobenzene-d5	91	(46 - 117)
2-Fluorobiphenyl	89	(44 - 116)
2,4,6-Tribromophenol	88	(31 - 138)
Terphenyl-d14	100	(36 - 134)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J060123 Work Order #...: ELP7L1AA Matrix.....: WATER

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J060123 Work Order #...: ELP7L1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J070000-093 ELP7L1AD-LCSD
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Phenol	100	86.1	ug/L	86		SW846 8270C
	100	85.4	ug/L	85	0.81	SW846 8270C
2-Chlorophenol	100	88.8	ug/L	89		SW846 8270C
	100	86.9	ug/L	87	2.2	SW846 8270C
1,4-Dichlorobenzene	100	86.7	ug/L	87		SW846 8270C
	100	85.1	ug/L	85	1.9	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	85.6	ug/L	86		SW846 8270C
	100	85.7	ug/L	86	0.11	SW846 8270C
1,2,4-Trichloro-benzene	100	86.7	ug/L	87		SW846 8270C
	100	85.0	ug/L	85	2.0	SW846 8270C
4-Chloro-3-methylphenol	100	92.9	ug/L	93		SW846 8270C
	100	92.5	ug/L	92	0.43	SW846 8270C
Acenaphthene	100	77.0	ug/L	77		SW846 8270C
	100	75.9	ug/L	76	1.4	SW846 8270C
4-Nitrophenol	100	96.4	ug/L	96		SW846 8270C
	100	102	ug/L	102	5.6	SW846 8270C
2,4-Dinitrotoluene	100	105	ug/L	105		SW846 8270C
	100	109	ug/L	109	3.7	SW846 8270C
Pentachlorophenol	100	93.8	ug/L	94		SW846 8270C
	100	89.9	ug/L	90	4.2	SW846 8270C
Pyrene	100	78.2	ug/L	78		SW846 8270C
	100	78.8	ug/L	79	0.76	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	88	(29 - 110)
	80	(29 - 110)
Phenol-d5	93	(41 - 115)
	91	(41 - 115)
Nitrobenzene-d5	94	(46 - 117)
	94	(46 - 117)
2-Fluorobiphenyl	92	(44 - 116)
	89	(44 - 116)
2,4,6-Tribromophenol	101	(31 - 138)
	97	(31 - 138)
Terphenyl-d14	97	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J060123 Work Order #...: ELP7L1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J070000-093 ELP7L1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	95	(36 - 134)

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 #...: H1J060123 Work Order #...: ELP7L1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J070000-093 ELP7L1AD-LCSD
Prep Date.....: 10/07/01 Analysis Date..: 10/18/01
Prep Batch #...: 1280093
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	86	(61 - 111)			SW846 8270C
	85	(61 - 111)	0.81	(0-39)	SW846 8270C
2-Chlorophenol	89	(61 - 110)			SW846 8270C
	87	(61 - 110)	2.2	(0-41)	SW846 8270C
1,4-Dichlorobenzene	87	(49 - 110)			SW846 8270C
	85	(49 - 110)	1.9	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	86	(62 - 117)			SW846 8270C
	86	(62 - 117)	0.11	(0-31)	SW846 8270C
1,2,4-Trichloro-benzene	87	(64 - 109)			SW846 8270C
	85	(64 - 109)	2.0	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	93	(70 - 109)			SW846 8270C
	92	(70 - 109)	0.43	(0-28)	SW846 8270C
Acenaphthene	77	(69 - 107)			SW846 8270C
	76	(69 - 107)	1.4	(0-29)	SW846 8270C
4-Nitrophenol	96	(59 - 120)			SW846 8270C
	102	(59 - 120)	5.6	(0-30)	SW846 8270C
2,4-Dinitrotoluene	105	(77 - 118)			SW846 8270C
	109	(77 - 118)	3.7	(0-29)	SW846 8270C
Pentachlorophenol	94	(38 - 124)			SW846 8270C
	90	(38 - 124)	4.2	(0-41)	SW846 8270C
Pyrene	78	(75 - 125)			SW846 8270C
	79	(75 - 125)	0.76	(0-26)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	88	(29 - 110)
	80	(29 - 110)
Phenol-d5	93	(41 - 115)
	91	(41 - 115)
Nitrobenzene-d5	94	(46 - 117)
	94	(46 - 117)
2-Fluorobiphenyl	92	(44 - 116)
	89	(44 - 116)
2,4,6-Tribromophenol	101	(31 - 138)
	97	(31 - 138)
Terphenyl-d14	97	(36 - 134)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J060123 Work Order #...: ELP7L1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J070000-093 ELP7L1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	95	(36 - 134)

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 #...: H1J060123 Work Order #...: EME2C1AA Matrix.....: WATER
MB Lot-Sample #: H1J190000-142

Prep Date.....: 10/19/01
Analysis Date..: 10/22/01 Prep Batch #...: 1292142
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J060123 Work Order #...: EME2C1AA Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(29 - 110)
Phenol-d5	82	(41 - 115)
Nitrobenzene-d5	85	(46 - 117)
2-Fluorobiphenyl	82	(44 - 116)
2,4,6-Tribromophenol	81	(31 - 138)
Terphenyl-d14	88	(36 - 134)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J060123 Work Order #...: EME2C1AA Matrix.....: WATER

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J060123 Work Order #...: EME2C1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J190000-142 EME2C1AD-LCSD
Prep Date.....: 10/19/01 Analysis Date..: 10/22/01
Prep Batch #...: 1292142
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Phenol	100	83.7	ug/L	84		SW846 8270C
	100	78.5	ug/L	78	6.4	SW846 8270C
2-Chlorophenol	100	89.7	ug/L	90		SW846 8270C
	100	84.0	ug/L	84	6.6	SW846 8270C
1,4-Dichlorobenzene	100	87.4	ug/L	87		SW846 8270C
	100	81.8	ug/L	82	6.6	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	83.8	ug/L	84		SW846 8270C
	100	79.2	ug/L	79	5.6	SW846 8270C
1,2,4-Trichloro-benzene	100	91.1	ug/L	91		SW846 8270C
	100	86.4	ug/L	86	5.3	SW846 8270C
4-Chloro-3-methylphenol	100	93.4	ug/L	93		SW846 8270C
	100	87.8	ug/L	88	6.2	SW846 8270C
Acenaphthene	100	77.6	ug/L	78		SW846 8270C
	100	73.9	ug/L	74	4.9	SW846 8270C
4-Nitrophenol	100	93.0	ug/L	93		SW846 8270C
	100	92.0	ug/L	92	1.1	SW846 8270C
2,4-Dinitrotoluene	100	108	ug/L	108		SW846 8270C
	100	106	ug/L	106	1.9	SW846 8270C
Pentachlorophenol	100	90.0	ug/L	90		SW846 8270C
	100	90.2	ug/L	90	0.22	SW846 8270C
Pyrene	100	78.9	ug/L	79		SW846 8270C
	100	76.5	ug/L	76	3.1	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	85	(29 - 110)
	78	(29 - 110)
Phenol-d5	89	(41 - 115)
	84	(41 - 115)
Nitrobenzene-d5	97	(46 - 117)
	93	(46 - 117)
2-Fluorobiphenyl	95	(44 - 116)
	90	(44 - 116)
2,4,6-Tribromophenol	97	(31 - 138)
	92	(31 - 138)
Terphenyl-d14	99	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J060123 Work Order #...: EME2C1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J190000-142 EME2C1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	96	(36 - 134)

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 #...: H1J060123 Work Order #...: EME2C1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J190000-142 EME2C1AD-LCSD
Prep Date.....: 10/19/01 Analysis Date..: 10/22/01
Prep Batch #...: 1292142
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	84	(61 - 111)			SW846 8270C
	78	(61 - 111)	6.4	(0-39)	SW846 8270C
2-Chlorophenol	90	(61 - 110)			SW846 8270C
	84	(61 - 110)	6.6	(0-41)	SW846 8270C
1,4-Dichlorobenzene	87	(49 - 110)			SW846 8270C
	82	(49 - 110)	6.6	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	84	(62 - 117)			SW846 8270C
	79	(62 - 117)	5.6	(0-31)	SW846 8270C
1,2,4-Trichloro-benzene	91	(64 - 109)			SW846 8270C
	86	(64 - 109)	5.3	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	93	(70 - 109)			SW846 8270C
	88	(70 - 109)	6.2	(0-28)	SW846 8270C
Acenaphthene	78	(69 - 107)			SW846 8270C
	74	(69 - 107)	4.9	(0-29)	SW846 8270C
4-Nitrophenol	93	(59 - 120)			SW846 8270C
	92	(59 - 120)	1.1	(0-30)	SW846 8270C
2,4-Dinitrotoluene	108	(77 - 118)			SW846 8270C
	106	(77 - 118)	1.9	(0-29)	SW846 8270C
Pentachlorophenol	90	(38 - 124)			SW846 8270C
	90	(38 - 124)	0.22	(0-41)	SW846 8270C
Pyrene	79	(75 - 125)			SW846 8270C
	76	(75 - 125)	3.1	(0-26)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	85	(29 - 110)
	78	(29 - 110)
Phenol-d5	89	(41 - 115)
	84	(41 - 115)
Nitrobenzene-d5	97	(46 - 117)
	93	(46 - 117)
2-Fluorobiphenyl	95	(44 - 116)
	90	(44 - 116)
2,4,6-Tribromophenol	97	(31 - 138)
	92	(31 - 138)
Terphenyl-d14	99	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J060123 Work Order #...: EME2C1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J190000-142 EME2C1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	96	(36 - 134)

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: BD3052

HPLC

Lot-Sample #...: H1J060123-002 **Work Order #...:** ELPJP1A3 **Matrix.....:** WATER
Date Sampled...: 10/05/01 **Date Received..:** 10/06/01
Prep Date.....: 10/09/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1282116
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	89	(53 - 133)

NOTE(S):

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3041

HPLC

Lot-Sample #...: H1J060123-003 **Work Order #...:** ELPJW1A3 **Matrix.....:** WATER
Date Sampled...: 10/05/01 **Date Received..:** 10/06/01
Prep Date.....: 10/09/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1282116
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	78	(53 - 133)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3050

HPLC

Lot-Sample #...: H1J060123-004 **Work Order #...:** ELPJ21A3 **Matrix.....:** WATER
Date Sampled...: 10/05/01 **Date Received..:** 10/06/01
Prep Date.....: 10/09/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1282116
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	87	(53 - 133)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3030

HPLC

Lot-Sample #...: H1J060123-014 **Work Order #...:** ELPLR1A3 **Matrix.....:** WATER
Date Sampled...: 10/05/01 **Date Received..:** 10/06/01
Prep Date.....: 10/09/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1282116
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	ug/L
RDX	ND	0.50	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND	0.20	ug/L
Tetryl	ND	0.20	ug/L
Nitrobenzene	ND G	0.37	ug/L
2,4,6-Trinitrotoluene	ND	0.20	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	0.20	ug/L
2,4-Dinitrotoluene	ND	0.20	ug/L
2-Nitrotoluene	ND	0.20	ug/L
4-Nitrotoluene	ND	0.20	ug/L
3-Nitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	88	(53 - 133)

NOTE(S):

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

METHOD BLANK REPORT

HPLC

Client Lot #...: H1J060123 **Work Order #...:** ELR3N1AA **Matrix.....:** WATER
MB Lot-Sample #: H1J090000-116

Prep Date.....: 10/09/01
Analysis Date..: 10/17/01 **Prep Batch #...:** 1282116
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	87	(53 - 133)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J060123 Work Order #...: ELR3N1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J090000-116 ELR3N1AD-LCSD
Prep Date.....: 10/09/01 Analysis Date..: 10/18/01
Prep Batch #...: 1282116
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	3.00	3.24	ug/L	108		SW846 8330
	3.00	3.03	ug/L	101	6.8	SW846 8330
RDX	3.00	3.43	ug/L	114		SW846 8330
	3.00	3.17	ug/L	106	7.9	SW846 8330
1,3,5-Trinitrobenzene	3.00	3.41	ug/L	114		SW846 8330
	3.00	3.13	ug/L	104	8.4	SW846 8330
1,3-Dinitrobenzene	3.00	3.23	ug/L	108		SW846 8330
	3.00	2.94	ug/L	98	9.2	SW846 8330
Tetryl	3.00	3.37	ug/L	112		SW846 8330
	3.00	3.10	ug/L	103	8.4	SW846 8330
Nitrobenzene	3.00	2.97	ug/L	99		SW846 8330
	3.00	2.71	ug/L	90	9.0	SW846 8330
2,4,6-Trinitrotoluene	3.00	3.29	ug/L	110		SW846 8330
	3.00	3.02	ug/L	101	8.6	SW846 8330
4-Amino-2,6-dinitrotoluene	3.00	2.75	ug/L	92		SW846 8330
	3.00	2.58	ug/L	86	6.3	SW846 8330
2-Amino-4,6-dinitrotoluene	3.00	3.22	ug/L	107		SW846 8330
	3.00	2.97	ug/L	99	8.0	SW846 8330
2,6-Dinitrotoluene	3.00	3.42	ug/L	114		SW846 8330
	3.00	3.12	ug/L	104	9.2	SW846 8330
2,4-Dinitrotoluene	3.00	3.21	ug/L	107		SW846 8330
	3.00	2.96	ug/L	99	8.1	SW846 8330
2-Nitrotoluene	3.00	2.84	ug/L	95		SW846 8330
	3.00	2.64	ug/L	88	7.4	SW846 8330
4-Nitrotoluene	3.00	3.01	ug/L	100		SW846 8330
	3.00	2.80	ug/L	93	7.3	SW846 8330
3-Nitrotoluene	3.00	2.92	ug/L	97		SW846 8330
	3.00	2.71	ug/L	90	7.4	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	89	(53 - 133)
	86	(53 - 133)

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 #...: H1J060123 Work Order #...: ELR3N1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J090000-116 ELR3N1AD-LCSD
Prep Date.....: 10/09/01 Analysis Date..: 10/18/01
Prep Batch #...: 1282116
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**108**	**(68 - 122)**			**SW846 8330**
	101	**(68 - 122)**	**6.8**	**(0-25)**	**SW846 8330**
RDX	**114**	**(71 - 127)**			**SW846 8330**
	106	**(71 - 127)**	**7.9**	**(0-26)**	**SW846 8330**
1,3,5-Trinitrobenzene	**114**	**(70 - 124)**			**SW846 8330**
	104	**(70 - 124)**	**8.4**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**108**	**(72 - 124)**			**SW846 8330**
	98	**(72 - 124)**	**9.2**	**(0-25)**	**SW846 8330**
Tetryl	**112**	**(68 - 123)**			**SW846 8330**
	103	**(68 - 123)**	**8.4**	**(0-26)**	**SW846 8330**
Nitrobenzene	**99**	**(60 - 122)**			**SW846 8330**
	90	**(60 - 122)**	**9.0**	**(0-26)**	**SW846 8330**
2,4,6-Trinitrotoluene	**110**	**(71 - 123)**			**SW846 8330**
	101	**(71 - 123)**	**8.6**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**92**	**(66 - 122)**			**SW846 8330**
	86	**(66 - 122)**	**6.3**	**(0-26)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**107**	**(65 - 124)**			**SW846 8330**
	99	**(65 - 124)**	**8.0**	**(0-26)**	**SW846 8330**
2,6-Dinitrotoluene	**114**	**(66 - 129)**			**SW846 8330**
	104	**(66 - 129)**	**9.2**	**(0-26)**	**SW846 8330**
2,4-Dinitrotoluene	**107**	**(70 - 125)**			**SW846 8330**
	99	**(70 - 125)**	**8.1**	**(0-26)**	**SW846 8330**
2-Nitrotoluene	**95**	**(54 - 121)**			**SW846 8330**
	88	**(54 - 121)**	**7.4**	**(0-27)**	**SW846 8330**
4-Nitrotoluene	**100**	**(59 - 123)**			**SW846 8330**
	93	**(59 - 123)**	**7.3**	**(0-27)**	**SW846 8330**
3-Nitrotoluene	**97**	**(58 - 124)**			**SW846 8330**
	90	**(58 - 124)**	**7.4**	**(0-27)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	89	(53 - 133)
	86	(53 - 133)

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: BD3052

TOTAL Metals

Lot-Sample #...: H1J060123-002 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283306						
Aluminum	**72.1 B,J**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJP1AA**
		Dilution Factor: 1		Analysis Time..: 13:00		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1AC
		Dilution Factor: 1		Analysis Time..: 13:00		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1AD
		Dilution Factor: 1		Analysis Time..: 13:00		
Barium	**231**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJP1AE**
		Dilution Factor: 1		Analysis Time..: 13:00		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1AF
		Dilution Factor: 1		Analysis Time..: 13:00		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1AG
		Dilution Factor: 1		Analysis Time..: 13:00		
Calcium	**137000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJP1AH**
		Dilution Factor: 1		Analysis Time..: 13:00		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1AJ
		Dilution Factor: 1		Analysis Time..: 13:00		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1AK
		Dilution Factor: 1		Analysis Time..: 13:00		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1AL
		Dilution Factor: 1		Analysis Time..: 13:00		
Iron	**830**	**100**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJP1AM**
		Dilution Factor: 1		Analysis Time..: 13:00		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1AN
		Dilution Factor: 1		Analysis Time..: 13:00		
Magnesium	**80800**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJP1AP**
		Dilution Factor: 1		Analysis Time..: 13:00		

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3052

TOTAL Metals

Lot-Sample #...: H1J060123-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	93.5	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1AQ
		Dilution Factor: 1		Analysis Time..: 13:00		
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1AR
		Dilution Factor: 1		Analysis Time..: 13:00		
Potassium	18100	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1AT
		Dilution Factor: 1		Analysis Time..: 13:00		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1AU
		Dilution Factor: 1		Analysis Time..: 13:00		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1AV
		Dilution Factor: 1		Analysis Time..: 13:00		
Sodium	114000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1AW
		Dilution Factor: 1		Analysis Time..: 13:00		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1AX
		Dilution Factor: 1		Analysis Time..: 13:00		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1A0
		Dilution Factor: 1		Analysis Time..: 13:00		
Zinc	7.9 B	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJP1A1
		Dilution Factor: 1		Analysis Time..: 13:00		
Prep Batch #...: 1283444						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELPJP1A2
		Dilution Factor: 1		Analysis Time..: 16:05		

NOTE(S):

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3041

TOTAL Metals

Lot-Sample #...: H1J060123-003 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283306						
Aluminum	1010 J	200	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AA
		Dilution Factor: 1		Analysis Time..: 13:05		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AC
		Dilution Factor: 1		Analysis Time..: 13:05		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AD
		Dilution Factor: 1		Analysis Time..: 13:05		
Barium	51.3 B	200	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AE
		Dilution Factor: 1		Analysis Time..: 13:05		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AF
		Dilution Factor: 1		Analysis Time..: 13:05		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AG
		Dilution Factor: 1		Analysis Time..: 13:05		
Calcium	81600	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AH
		Dilution Factor: 1		Analysis Time..: 13:05		
Chromium	1.3 B	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AJ
		Dilution Factor: 1		Analysis Time..: 13:05		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AK
		Dilution Factor: 1		Analysis Time..: 13:05		
Copper	10.9 B	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AL
		Dilution Factor: 1		Analysis Time..: 13:05		
Iron	8090	100	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AM
		Dilution Factor: 1		Analysis Time..: 13:05		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AN
		Dilution Factor: 1		Analysis Time..: 13:05		
Magnesium	24500	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AP
		Dilution Factor: 1		Analysis Time..: 13:05		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3041

TOTAL Metals

Lot-Sample #...: H1J060123-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	928	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AQ
		Dilution Factor: 1		Analysis Time..: 13:05		
Nickel	5.4 B	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AR
		Dilution Factor: 1		Analysis Time..: 13:05		
Potassium	2920 B	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AT
		Dilution Factor: 1		Analysis Time..: 13:05		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AU
		Dilution Factor: 1		Analysis Time..: 13:05		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AV
		Dilution Factor: 1		Analysis Time..: 13:05		
Sodium	7520	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AW
		Dilution Factor: 1		Analysis Time..: 13:05		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1AX
		Dilution Factor: 1		Analysis Time..: 13:05		
Vanadium	2.3 B	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1A0
		Dilution Factor: 1		Analysis Time..: 13:05		
Zinc	37.5	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJW1A1
		Dilution Factor: 1		Analysis Time..: 13:05		
Prep Batch #...: 1283444						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELPJW1A2
		Dilution Factor: 1		Analysis Time..: 16:07		

NOTE(S):

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

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3050

TOTAL Metals

Lot-Sample #...: H1J060123-004 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283306						
Aluminum	1150 J	200	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AA
		Dilution Factor: 1		Analysis Time..: 13:09		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AC
		Dilution Factor: 1		Analysis Time..: 13:09		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AD
		Dilution Factor: 1		Analysis Time..: 13:09		
Barium	51.5 B	200	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AE
		Dilution Factor: 1		Analysis Time..: 13:09		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AF
		Dilution Factor: 1		Analysis Time..: 13:09		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AG
		Dilution Factor: 1		Analysis Time..: 13:09		
Calcium	80500	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AH
		Dilution Factor: 1		Analysis Time..: 13:09		
Chromium	1.3 B	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AJ
		Dilution Factor: 1		Analysis Time..: 13:09		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AK
		Dilution Factor: 1		Analysis Time..: 13:09		
Copper	5.6 B	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AL
		Dilution Factor: 1		Analysis Time..: 13:09		
Iron	7990	100	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AM
		Dilution Factor: 1		Analysis Time..: 13:09		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AN
		Dilution Factor: 1		Analysis Time..: 13:09		
Magnesium	24200	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AP
		Dilution Factor: 1		Analysis Time..: 13:09		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3050

TOTAL Metals

Lot-Sample #...: H1J060123-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	918	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AQ
		Dilution Factor: 1		Analysis Time..: 13:09		
Nickel	4.8 B	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AR
		Dilution Factor: 1		Analysis Time..: 13:09		
Potassium	2940 B	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AT
		Dilution Factor: 1		Analysis Time..: 13:09		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AU
		Dilution Factor: 1		Analysis Time..: 13:09		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AV
		Dilution Factor: 1		Analysis Time..: 13:09		
Sodium	7450	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AW
		Dilution Factor: 1		Analysis Time..: 13:09		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21AX
		Dilution Factor: 1		Analysis Time..: 13:09		
Vanadium	2.3 B	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21A0
		Dilution Factor: 1		Analysis Time..: 13:09		
Zinc	33.6	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ21A1
		Dilution Factor: 1		Analysis Time..: 13:09		
Prep Batch #...: 1283444						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELPJ21A2
		Dilution Factor: 1		Analysis Time..: 16:09		

NOTE(S):

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

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3006R

TOTAL Metals

Lot-Sample #...: H1J060123-005 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283306						
Aluminum	**45.3 B,J**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ31AA**
		Dilution Factor: 1		Analysis Time..: 13:14		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ31AC
		Dilution Factor: 1		Analysis Time..: 13:14		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ31AD
		Dilution Factor: 1		Analysis Time..: 13:14		
Barium	**89.2 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ31AE**
		Dilution Factor: 1		Analysis Time..: 13:14		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ31AF
		Dilution Factor: 1		Analysis Time..: 13:14		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ31AG
		Dilution Factor: 1		Analysis Time..: 13:14		
Calcium	**172000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ31AH**
		Dilution Factor: 1		Analysis Time..: 13:14		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ31AJ
		Dilution Factor: 1		Analysis Time..: 13:14		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ31AK
		Dilution Factor: 1		Analysis Time..: 13:14		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ31AL
		Dilution Factor: 1		Analysis Time..: 13:14		
Iron	**7900**	**100**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ31AM**
		Dilution Factor: 1		Analysis Time..: 13:14		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ31AN
		Dilution Factor: 1		Analysis Time..: 13:14		
Magnesium	**33200**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ31AP**
		Dilution Factor: 1		Analysis Time..: 13:14		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3006R

TOTAL Metals

Lot-Sample #...: H1J060123-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**846**	**15.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ31AQ**
		Dilution Factor: 1		Analysis Time..: 13:14		
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ31AR
		Dilution Factor: 1		Analysis Time..: 13:14		
Potassium	**1670 B**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ31AT**
		Dilution Factor: 1		Analysis Time..: 13:14		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ31AU
		Dilution Factor: 1		Analysis Time..: 13:14		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ31AV
		Dilution Factor: 1		Analysis Time..: 13:14		
Sodium	**4610 B**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ31AW**
		Dilution Factor: 1		Analysis Time..: 13:14		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ31AX
		Dilution Factor: 1		Analysis Time..: 13:14		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ31A0
		Dilution Factor: 1		Analysis Time..: 13:14		
Zinc	**14.9 B**	**20.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ31A1**
		Dilution Factor: 1		Analysis Time..: 13:14		
Prep Batch #...: 1283444						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELPJ31A2
		Dilution Factor: 1		Analysis Time..: 16:11		

NOTE(S):

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3009R

TOTAL Metals

Lot-Sample #...: H1J060123-006 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283306						
Aluminum	**69.7 B,J**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ51AA**
		Dilution Factor: 1		Analysis Time..: 13:27		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ51AC
		Dilution Factor: 1		Analysis Time..: 13:27		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ51AD
		Dilution Factor: 1		Analysis Time..: 13:27		
Barium	**1410**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ51AE**
		Dilution Factor: 1		Analysis Time..: 13:27		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ51AF
		Dilution Factor: 1		Analysis Time..: 13:27		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ51AG
		Dilution Factor: 1		Analysis Time..: 13:27		
Calcium	**111000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ51AH**
		Dilution Factor: 1		Analysis Time..: 13:27		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ51AJ
		Dilution Factor: 1		Analysis Time..: 13:27		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ51AK
		Dilution Factor: 1		Analysis Time..: 13:27		
Copper	**6.0 B**	**25.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ51AL**
		Dilution Factor: 1		Analysis Time..: 13:27		
Iron	**132**	**100**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ51AM**
		Dilution Factor: 1		Analysis Time..: 13:27		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ51AN
		Dilution Factor: 1		Analysis Time..: 13:27		
Magnesium	**70100**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ51AP**
		Dilution Factor: 1		Analysis Time..: 13:27		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3009R

TOTAL Metals

Lot-Sample #...: H1J060123-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**35.3**	**15.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ51AQ**
		Dilution Factor: 1		Analysis Time..: 13:27		
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ51AR
		Dilution Factor: 1		Analysis Time..: 13:27		
Potassium	**48500**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ51AT**
		Dilution Factor: 1		Analysis Time..: 13:27		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ51AU
		Dilution Factor: 1		Analysis Time..: 13:27		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ51AV
		Dilution Factor: 1		Analysis Time..: 13:27		
Sodium	**535000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ51AW**
		Dilution Factor: 1		Analysis Time..: 13:27		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ51AX
		Dilution Factor: 1		Analysis Time..: 13:27		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ51A0
		Dilution Factor: 1		Analysis Time..: 13:27		
Zinc	**9.1 B**	**20.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPJ51A1**
		Dilution Factor: 1		Analysis Time..: 13:27		
Prep Batch #...: 1283444						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELPJ51A2
		Dilution Factor: 1		Analysis Time..: 16:17		

NOTE(S):

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3052

DISSOLVED Metals

Lot-Sample #...: H1J060123-008 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	83.2 B	200	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AA
		Dilution Factor: 1		Analysis Time..: 15:10		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AC
		Dilution Factor: 1		Analysis Time..: 15:10		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AD
		Dilution Factor: 1		Analysis Time..: 15:10		
Barium	226	200	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AE
		Dilution Factor: 1		Analysis Time..: 15:10		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AF
		Dilution Factor: 1		Analysis Time..: 15:10		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AG
		Dilution Factor: 1		Analysis Time..: 15:10		
Calcium	133000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AH
		Dilution Factor: 1		Analysis Time..: 15:10		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AJ
		Dilution Factor: 1		Analysis Time..: 15:10		
Cobalt	5.6 B	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AK
		Dilution Factor: 1		Analysis Time..: 15:10		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AL
		Dilution Factor: 1		Analysis Time..: 15:10		
Iron	740	100	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AM
		Dilution Factor: 1		Analysis Time..: 15:10		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AN
		Dilution Factor: 1		Analysis Time..: 15:10		
Magnesium	79400	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AP
		Dilution Factor: 1		Analysis Time..: 15:10		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3052

DISSOLVED Metals

Lot-Sample #...: H1J060123-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	86.2	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AQ
		Dilution Factor: 1		Analysis Time..: 15:10		
Nickel	2.7 B	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AR
		Dilution Factor: 1		Analysis Time..: 15:10		
Potassium	17500	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AT
		Dilution Factor: 1		Analysis Time..: 15:10		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AU
		Dilution Factor: 1		Analysis Time..: 15:10		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AV
		Dilution Factor: 1		Analysis Time..: 15:10		
Sodium	112000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AW
		Dilution Factor: 1		Analysis Time..: 15:10		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81AX
		Dilution Factor: 1		Analysis Time..: 15:10		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81A0
		Dilution Factor: 1		Analysis Time..: 15:10		
Zinc	5.0 B	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ81A1
		Dilution Factor: 1		Analysis Time..: 15:10		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELPJ81A2
		Dilution Factor: 1		Analysis Time..: 15:13		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3030

DISSOLVED Metals

Lot-Sample #...: H1J060123-009 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	68.7 B	200	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AE
		Dilution Factor: 1		Analysis Time..: 15:23		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AF
		Dilution Factor: 1		Analysis Time..: 15:23		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AG
		Dilution Factor: 1		Analysis Time..: 15:23		
Barium	224	200	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AH
		Dilution Factor: 1		Analysis Time..: 15:23		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AJ
		Dilution Factor: 1		Analysis Time..: 15:23		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AK
		Dilution Factor: 1		Analysis Time..: 15:23		
Calcium	128000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AL
		Dilution Factor: 1		Analysis Time..: 15:23		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AM
		Dilution Factor: 1		Analysis Time..: 15:23		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AN
		Dilution Factor: 1		Analysis Time..: 15:23		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AP
		Dilution Factor: 1		Analysis Time..: 15:23		
Iron	713	100	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AQ
		Dilution Factor: 1		Analysis Time..: 15:23		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AR
		Dilution Factor: 1		Analysis Time..: 15:23		
Magnesium	76800	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AT
		Dilution Factor: 1		Analysis Time..: 15:23		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3030

DISSOLVED Metals

Lot-Sample #...: H1J060123-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	87.0	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AU
		Dilution Factor: 1		Analysis Time..: 15:23		
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AV
		Dilution Factor: 1		Analysis Time..: 15:23		
Potassium	17000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AW
		Dilution Factor: 1		Analysis Time..: 15:23		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AX
		Dilution Factor: 1		Analysis Time..: 15:23		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91A0
		Dilution Factor: 1		Analysis Time..: 15:23		
Sodium	109000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91A1
		Dilution Factor: 1		Analysis Time..: 15:23		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91A2
		Dilution Factor: 1		Analysis Time..: 15:23		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AA
		Dilution Factor: 1		Analysis Time..: 15:23		
Zinc	3.0 B	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELPJ91AC
		Dilution Factor: 1		Analysis Time..: 15:23		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELPJ91AD
		Dilution Factor: 1		Analysis Time..: 15:16		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3041

DISSOLVED Metals

Lot-Sample #...: H1J060123-010 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	69.0 B	200	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AE
		Dilution Factor: 1		Analysis Time..: 15:28		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AF
		Dilution Factor: 1		Analysis Time..: 15:28		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AG
		Dilution Factor: 1		Analysis Time..: 15:28		
Barium	40.8 B	200	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AH
		Dilution Factor: 1		Analysis Time..: 15:28		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AJ
		Dilution Factor: 1		Analysis Time..: 15:28		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AK
		Dilution Factor: 1		Analysis Time..: 15:28		
Calcium	72000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AL
		Dilution Factor: 1		Analysis Time..: 15:28		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AM
		Dilution Factor: 1		Analysis Time..: 15:28		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AN
		Dilution Factor: 1		Analysis Time..: 15:28		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AP
		Dilution Factor: 1		Analysis Time..: 15:28		
Iron	5670	100	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AQ
		Dilution Factor: 1		Analysis Time..: 15:28		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AR
		Dilution Factor: 1		Analysis Time..: 15:28		
Magnesium	20900	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AT
		Dilution Factor: 1		Analysis Time..: 15:28		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3041

DISSOLVED Metals

Lot-Sample #...: H1J060123-010 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	812	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AU
		Dilution Factor: 1		Analysis Time..: 15:28		
Nickel	2.0 B	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AV
		Dilution Factor: 1		Analysis Time..: 15:28		
Potassium	2480 B	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AW
		Dilution Factor: 1		Analysis Time..: 15:28		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AX
		Dilution Factor: 1		Analysis Time..: 15:28		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1A0
		Dilution Factor: 1		Analysis Time..: 15:28		
Sodium	7480	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1A1
		Dilution Factor: 1		Analysis Time..: 15:28		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1A2
		Dilution Factor: 1		Analysis Time..: 15:28		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AA
		Dilution Factor: 1		Analysis Time..: 15:28		
Zinc	19.9 B	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKA1AC
		Dilution Factor: 1		Analysis Time..: 15:28		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELPKA1AD
		Dilution Factor: 1		Analysis Time..: 15:18		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3050

DISSOLVED Metals

Lot-Sample #...: H1J060123-011 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	64.9 B	200	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1AE
		Dilution Factor: 1		Analysis Time..: 15:32		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1AF
		Dilution Factor: 1		Analysis Time..: 15:32		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1AG
		Dilution Factor: 1		Analysis Time..: 15:32		
Barium	40.5 B	200	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1AH
		Dilution Factor: 1		Analysis Time..: 15:32		
Beryllium	0.52 B	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1AJ
		Dilution Factor: 1		Analysis Time..: 15:32		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1AK
		Dilution Factor: 1		Analysis Time..: 15:32		
Calcium	71600	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1AL
		Dilution Factor: 1		Analysis Time..: 15:32		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1AM
		Dilution Factor: 1		Analysis Time..: 15:32		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1AN
		Dilution Factor: 1		Analysis Time..: 15:32		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1AP
		Dilution Factor: 1		Analysis Time..: 15:32		
Iron	5620	100	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1AQ
		Dilution Factor: 1		Analysis Time..: 15:32		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1AR
		Dilution Factor: 1		Analysis Time..: 15:32		
Magnesium	20800	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1AT
		Dilution Factor: 1		Analysis Time..: 15:32		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3050

DISSOLVED Metals

Lot-Sample #...: H1J060123-011 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**809**	**15.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKC1AU**
		Dilution Factor: 1		Analysis Time..: 15:32		
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1AV
		Dilution Factor: 1		Analysis Time..: 15:32		
Potassium	**2470 B**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKC1AW**
		Dilution Factor: 1		Analysis Time..: 15:32		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1AX
		Dilution Factor: 1		Analysis Time..: 15:32		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1A0
		Dilution Factor: 1		Analysis Time..: 15:32		
Sodium	**7410**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKC1A1**
		Dilution Factor: 1		Analysis Time..: 15:32		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1A2
		Dilution Factor: 1		Analysis Time..: 15:32		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKC1AA
		Dilution Factor: 1		Analysis Time..: 15:32		
Zinc	**22.0**	**20.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKC1AC**
		Dilution Factor: 1		Analysis Time..: 15:32		

Prep Batch #...: 1283449

Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELPKC1AD
		Dilution Factor: 1		Analysis Time..: 15:20		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3006R

DISSOLVED Metals

Lot-Sample #...: H1J060123-012 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	**67.6 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKD1AE**
		Dilution Factor: 1		Analysis Time..: 15:37		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKD1AF
		Dilution Factor: 1		Analysis Time..: 15:37		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKD1AG
		Dilution Factor: 1		Analysis Time..: 15:37		
Barium	**88.0 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKD1AH**
		Dilution Factor: 1		Analysis Time..: 15:37		
Beryllium	**0.55 B**	**5.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKD1AJ**
		Dilution Factor: 1		Analysis Time..: 15:37		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKD1AK
		Dilution Factor: 1		Analysis Time..: 15:37		
Calcium	**169000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKD1AL**
		Dilution Factor: 1		Analysis Time..: 15:37		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKD1AM
		Dilution Factor: 1		Analysis Time..: 15:37		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKD1AN
		Dilution Factor: 1		Analysis Time..: 15:37		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKD1AP
		Dilution Factor: 1		Analysis Time..: 15:37		
Iron	**7400**	**100**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKD1AQ**
		Dilution Factor: 1		Analysis Time..: 15:37		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKD1AR
		Dilution Factor: 1		Analysis Time..: 15:37		
Magnesium	**33000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKD1AT**
		Dilution Factor: 1		Analysis Time..: 15:37		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3006R

DISSOLVED Metals

Lot-Sample #...: H1J060123-012 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**818**	**15.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKD1AU**
		Dilution Factor: 1		Analysis Time..: 15:37		
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKD1AV
		Dilution Factor: 1		Analysis Time..: 15:37		
Potassium	**1640 B**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKD1AW**
		Dilution Factor: 1		Analysis Time..: 15:37		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKD1AX
		Dilution Factor: 1		Analysis Time..: 15:37		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKD1A0
		Dilution Factor: 1		Analysis Time..: 15:37		
Sodium	**4670 B**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKD1A1**
		Dilution Factor: 1		Analysis Time..: 15:37		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKD1A2
		Dilution Factor: 1		Analysis Time..: 15:37		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKD1AA
		Dilution Factor: 1		Analysis Time..: 15:37		
Zinc	**14.3 B**	**20.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKD1AC**
		Dilution Factor: 1		Analysis Time..: 15:37		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELPKD1AD
		Dilution Factor: 1		Analysis Time..: 15:25		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3009R

DISSOLVED Metals

Lot-Sample #...: H1J060123-013 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	**76.3 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKE1AE**
		Dilution Factor: 1		Analysis Time..: 15:41		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1AF
		Dilution Factor: 1		Analysis Time..: 15:41		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1AG
		Dilution Factor: 1		Analysis Time..: 15:41		
Barium	**1380**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKE1AH**
		Dilution Factor: 1		Analysis Time..: 15:41		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1AJ
		Dilution Factor: 1		Analysis Time..: 15:41		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1AK
		Dilution Factor: 1		Analysis Time..: 15:41		
Calcium	**107000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKE1AL**
		Dilution Factor: 1		Analysis Time..: 15:41		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1AM
		Dilution Factor: 1		Analysis Time..: 15:41		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1AN
		Dilution Factor: 1		Analysis Time..: 15:41		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1AP
		Dilution Factor: 1		Analysis Time..: 15:41		
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1AQ
		Dilution Factor: 1		Analysis Time..: 15:41		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1AR
		Dilution Factor: 1		Analysis Time..: 15:41		
Magnesium	**68200**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPKE1AT**
		Dilution Factor: 1		Analysis Time..: 15:41		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3009R

DISSOLVED Metals

Lot-Sample #...: H1J060123-013 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	36.0	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1AU
		Dilution Factor: 1		Analysis Time..: 15:41		
Nickel	2.1 B	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1AV
		Dilution Factor: 1		Analysis Time..: 15:41		
Potassium	46900	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1AW
		Dilution Factor: 1		Analysis Time..: 15:41		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1AX
		Dilution Factor: 1		Analysis Time..: 15:41		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1A0
		Dilution Factor: 1		Analysis Time..: 15:41		
Sodium	520000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1A1
		Dilution Factor: 1		Analysis Time..: 15:41		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1A2
		Dilution Factor: 1		Analysis Time..: 15:41		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1AA
		Dilution Factor: 1		Analysis Time..: 15:41		
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELPKE1AC
		Dilution Factor: 1		Analysis Time..: 15:41		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELPKE1AD
		Dilution Factor: 1		Analysis Time..: 15:28		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3030

TOTAL Metals

Lot-Sample #...: H1J060123-014 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283306						
Aluminum	**78.2 B,J**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPLR1AA**
		Dilution Factor: 1		Analysis Time..: 13:32		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELPLR1AC
		Dilution Factor: 1		Analysis Time..: 13:32		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPLR1AD
		Dilution Factor: 1		Analysis Time..: 13:32		
Barium	**226**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPLR1AE**
		Dilution Factor: 1		Analysis Time..: 13:32		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPLR1AF
		Dilution Factor: 1		Analysis Time..: 13:32		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPLR1AG
		Dilution Factor: 1		Analysis Time..: 13:32		
Calcium	**134000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPLR1AH**
		Dilution Factor: 1		Analysis Time..: 13:32		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPLR1AJ
		Dilution Factor: 1		Analysis Time..: 13:32		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPLR1AK
		Dilution Factor: 1		Analysis Time..: 13:32		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELPLR1AL
		Dilution Factor: 1		Analysis Time..: 13:32		
Iron	**795**	**100**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPLR1AM**
		Dilution Factor: 1		Analysis Time..: 13:32		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELPLR1AN
		Dilution Factor: 1		Analysis Time..: 13:32		
Magnesium	**79500**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPLR1AP**
		Dilution Factor: 1		Analysis Time..: 13:32		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3030

TOTAL Metals

Lot-Sample #...: H1J060123-014 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**89.0**	**15.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPLR1AQ**
		Dilution Factor: 1		Analysis Time..: 13:32		
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELPLR1AR
		Dilution Factor: 1		Analysis Time..: 13:32		
Potassium	**17600**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPLR1AT**
		Dilution Factor: 1		Analysis Time..: 13:32		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELPLR1AU
		Dilution Factor: 1		Analysis Time..: 13:32		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPLR1AV
		Dilution Factor: 1		Analysis Time..: 13:32		
Sodium	**112000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPLR1AW**
		Dilution Factor: 1		Analysis Time..: 13:32		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELPLR1AX
		Dilution Factor: 1		Analysis Time..: 13:32		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELPLR1A0
		Dilution Factor: 1		Analysis Time..: 13:32		
Zinc	**7.7 B**	**20.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELPLR1A1**
		Dilution Factor: 1		Analysis Time..: 13:32		
Prep Batch #...: 1283444						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELPLR1A2
		Dilution Factor: 1		Analysis Time..: 16:18		

NOTE(S):

B Estimated result. Result is less than RL.

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J060123 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J100000-300 **Prep Batch #...:** 1283300						
Aluminum	ND	200	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AA
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AC
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AD
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Barium	ND	200	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AE
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AF
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AG
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Calcium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AH
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AJ
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AK
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AL
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AM
		Dilution Factor: 1				
		Analysis Time..: 12:07				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J060123 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AN
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Magnesium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AP
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Manganese	ND	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AQ
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AR
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Potassium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AT
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AU
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AV
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Sodium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AW
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AX
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1A0
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1A1
		Dilution Factor: 1				
		Analysis Time..: 12:07				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J060123 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J100000-449 **Prep Batch #...:** 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELW7T1AA
		Dilution Factor: 1				
		Analysis Time..: 14:49				

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J060123 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J100000-306 Prep Batch #...: 1283306						
Aluminum	**65.1 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELWJE1AA**
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AC
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AD
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Barium	ND	200	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AE
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AF
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AG
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Calcium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AH
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AJ
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AK
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AL
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AM
		Dilution Factor: 1				
		Analysis Time..: 11:58				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J060123 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AN
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Magnesium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AP
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Manganese	ND	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AQ
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AR
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Potassium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AT
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AU
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AV
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Sodium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AW
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AX
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1A0
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1A1
		Dilution Factor: 1				
		Analysis Time..: 11:58				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J060123 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J100000-444 **Prep Batch #...:** 1283444						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELW7A1AA
		Dilution Factor: 1				
		Analysis Time..: 15:46				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J060123 **Matrix.....:** WATER

LCS Lot-Sample#: H1J100000-300 **Prep Batch #...:** 1283300

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum	2000	2030	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1A2
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Antimony	500	498	ug/L	100	SW846 6010B	10/11-10/12/01	ELWHC1A3
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Arsenic	2000	2030	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1A4
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Barium	2000	1990	ug/L	100	SW846 6010B	10/11-10/12/01	ELWHC1A5
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Beryllium	50.0	52.6	ug/L	105	SW846 6010B	10/11-10/12/01	ELWHC1A6
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Cadmium	50.0	50.4	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1A7
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Calcium	50000	50500	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1A8
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Chromium	200	202	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1A9
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Cobalt	500	510	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1CA
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Copper	250	247	ug/L	99	SW846 6010B	10/11-10/12/01	ELWHC1CC
			Dilution Factor: 1				
			Analysis Time..: 12:34				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J060123 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	999	ug/L	100	SW846 6010B	10/11-10/12/01	ELWHC1CD
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Lead	500	504	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1CE
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Magnesium	50000	50200	ug/L	100	SW846 6010B	10/11-10/12/01	ELWHC1CF
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Manganese	500	518	ug/L	104	SW846 6010B	10/11-10/12/01	ELWHC1CG
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Nickel	500	503	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1CH
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Potassium	50000	48800	ug/L	98	SW846 6010B	10/11-10/12/01	ELWHC1CJ
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Selenium	2000	2090	ug/L	105	SW846 6010B	10/11-10/12/01	ELWHC1CK
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Silver	50.0	50.9	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1CL
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Sodium	50000	50500	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1CM
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Thallium	2000	2040	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1CN
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Vanadium	500	508	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1CP
			Dilution Factor: 1				
			Analysis Time..: 12:34				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J060123 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	532	ug/L	106	SW846 6010B	10/11-10/12/01	ELWHC1CQ
			Dilution Factor: 1				
			Analysis Time..: 12:34				

LCS Lot-Sample#: H1J100000-449 **Prep Batch #...:** 1283449

Mercury	0.00500	0.00541	mg/L	108	SW846 7470A	10/14/01	ELW7T1AC
			Dilution Factor: 1				
			Analysis Time..: 14:51				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J060123 **Matrix.....:** WATER

LCS Lot-Sample#: H1J100000-306 **Prep Batch #...:** 1283306

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum	2000	2050	ug/L	103	SW846 6010B	10/11-10/12/01	ELWJE1A2
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Antimony	500	497	ug/L	99	SW846 6010B	10/11-10/12/01	ELWJE1A3
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Arsenic	2000	2050	ug/L	102	SW846 6010B	10/11-10/12/01	ELWJE1A4
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Barium	2000	2010	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1A5
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Beryllium	50.0	52.8	ug/L	106	SW846 6010B	10/11-10/12/01	ELWJE1A6
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Cadmium	50.0	50.6	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1A7
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Calcium	50000	50900	ug/L	102	SW846 6010B	10/11-10/12/01	ELWJE1A8
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Chromium	200	204	ug/L	102	SW846 6010B	10/11-10/12/01	ELWJE1A9
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Cobalt	500	514	ug/L	103	SW846 6010B	10/11-10/12/01	ELWJE1CA
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Copper	250	249	ug/L	100	SW846 6010B	10/11-10/12/01	ELWJE1CC
			Dilution Factor: 1				
			Analysis Time..: 12:02				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J060123 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	995	ug/L	100	SW846 6010B	10/11-10/12/01	ELWJE1CD
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Lead	500	505	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1CE
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Magnesium	50000	50600	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1CF
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Manganese	500	524	ug/L	105	SW846 6010B	10/11-10/12/01	ELWJE1CG
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Nickel	500	508	ug/L	102	SW846 6010B	10/11-10/12/01	ELWJE1CH
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Potassium	50000	49300	ug/L	99	SW846 6010B	10/11-10/12/01	ELWJE1CJ
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Selenium	2000	2090	ug/L	104	SW846 6010B	10/11-10/12/01	ELWJE1CK
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Silver	50.0	50.3	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1CL
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Sodium	50000	50400	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1CM
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Thallium	2000	2070	ug/L	103	SW846 6010B	10/11-10/12/01	ELWJE1CN
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Vanadium	500	513	ug/L	103	SW846 6010B	10/11-10/12/01	ELWJE1CP
			Dilution Factor: 1				
			Analysis Time..: 12:02				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J060123 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	537	ug/L	107	SW846 6010B	10/11-10/12/01	ELWJE1CQ
			Dilution Factor: 1				
			Analysis Time..: 12:02				

LCS Lot-Sample#: H1J100000-444 **Prep Batch #...:** 1283444

Mercury	0.00500	0.00547	mg/L	109	SW846 7470A	10/14/01	ELW7A1AC
			Dilution Factor: 1				
			Analysis Time..: 15:52				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J060123 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J100000-300 **Prep Batch #...:** 1283300					
Aluminum	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A2
Antimony	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A3
Arsenic	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A4
Barium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A5
Beryllium	105	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A6
Cadmium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A7
Calcium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A8
Chromium	101	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A9
Cobalt	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CA
Copper	99	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CC

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J060123 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CD
Lead	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CE
Magnesium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CF
Manganese	104	(90 - 111)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CG
Nickel	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CH
Potassium	98	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CJ
Selenium	105	(90 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CK
Silver	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CL
Sodium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CM
Thallium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CN
Vanadium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CP

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J060123 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	106	(90 - 115)	SW846 6010B	10/11-10/12/01	ELWHC1CQ
		Dilution Factor: 1			
		Analysis Time..: 12:34			

LCS Lot-Sample#: H1J100000-449 **Prep Batch #...:** 1283449

Mercury	108	(90 - 110)	SW846 7470A	10/14/01	ELW7T1AC
		Dilution Factor: 1			
		Analysis Time..: 14:51			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J060123 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J100000-306 **Prep Batch #...:** 1283306					
Aluminum	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A2
Antimony	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A3
Arsenic	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A4
Barium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A5
Beryllium	106	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A6
Cadmium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A7
Calcium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A8
Chromium	102	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A9
Cobalt	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CA
Copper	100	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CC

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J060123 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CD
Lead	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CE
Magnesium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CF
Manganese	105	(90 - 111)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CG
Nickel	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CH
Potassium	99	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CJ
Selenium	104	(90 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CK
Silver	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CL
Sodium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CM
Thallium	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CN
Vanadium	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CP

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J060123 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	107	(90 - 115)	SW846 6010B	10/11-10/12/01	ELWJE1CQ
		Dilution Factor: 1			
		Analysis Time..: 12:02			

LCS Lot-Sample#: H1J100000-444 **Prep Batch #...:** 1283444

Mercury	109	(90 - 110)	SW846 7470A	10/14/01	ELW7A1AC
		Dilution Factor: 1			
		Analysis Time..: 15:52			

NOTE(S):

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

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3018R

General Chemistry

Lot-Sample #...: H1J060123-001 Work Order #...: ELPJM Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate	22.0	2.0	mg/L	MCAWW 353.2	10/06/01	1283538
	Dilution Factor: 20					
Turbidity	4.2 J	0.50	NTU	MCAWW 180.1	10/06/01	1281501
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3041

General Chemistry

Lot-Sample #...: H1J060123-003 Work Order #...: ELPJW Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	7.4	1.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 1				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/09-10/10/01	1284472
		Dilution Factor: 1				
Hardness, as CaCO3	229	5.0	mg/L	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 1				
Nitrate	ND	0.10	mg/L	MCAWW 353.2	10/06/01	1283538
		Dilution Factor: 1				
Sulfate	129	50.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 10				
Total Alkalinity	126 J	5.0	mg/L	MCAWW 310.1	10/06/01	1282410
		Dilution Factor: 1				
Total Dissolved Solids	347	10.0	mg/L	MCAWW 160.1	10/09-10/10/01	1282420
		Dilution Factor: 1				
Total Organic Carbon	3.6 B	1.0	mg/L	SW846 9060	10/31/01	1305138
		Dilution Factor: 1				
Total Suspended Solids	65.0	4.0	mg/L	MCAWW 160.2	10/09/01	1282256
		Dilution Factor: 1				
Turbidity	91.2 J	0.50	NTU	MCAWW 180.1	10/06/01	1281501
		Dilution Factor: 4				

NOTE(S):

RL Reporting Limit

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

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3006R

General Chemistry

Lot-Sample #...: H1J060123-005 Work Order #...: ELPJ3 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/09-10/10/01	1284472
		Dilution Factor: 1				
Nitrate	ND	0.10	mg/L	MCAWW 353.2	10/06/01	1283538
		Dilution Factor: 1				
Turbidity	64.2 J	1.0	NTU	MCAWW 180.1	10/06/01	1281501
		Dilution Factor: 2				

NOTE(S):

RL Reporting Limit

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3009R

General Chemistry

Lot-Sample #...: H1J060123-006 Work Order #...: ELPJ5 Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate	ND	0.10	mg/L	MCAWW 353.2	10/06/01	1283538
	Dilution Factor: 1					
Turbidity	68.4 J	1.0	NTU	MCAWW 180.1	10/06/01	1281501
	Dilution Factor: 2					

NOTE(S):

RL Reporting Limit

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3030

General Chemistry

Lot-Sample #...: H1J060123-014 Work Order #...: ELPLR Matrix.....: WATER
Date Sampled...: 10/05/01 Date Received..: 10/06/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	404	5.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 5				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/09-10/10/01	1284472
		Dilution Factor: 1				
Hardness, as CaCO3	627	25.0	mg/L	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 5				
Nitrate	ND	0.10	mg/L	MCAWW 353.2	10/06/01	1283538
		Dilution Factor: 1				
Sulfate	121	25.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 5				
Total Alkalinity	278 J	5.0	mg/L	MCAWW 310.1	10/06/01	1282410
		Dilution Factor: 1				
Total Dissolved Solids	1000	10.0	mg/L	MCAWW 160.1	10/09-10/10/01	1282420
		Dilution Factor: 1				
Total Organic Carbon	4.0 B	1.0	mg/L	SW846 9060	10/31/01	1305138
		Dilution Factor: 1				
Total Suspended Solids	4.0	4.0	mg/L	MCAWW 160.2	10/09/01	1282256
		Dilution Factor: 1				
Turbidity	21.7 J	0.50	NTU	MCAWW 180.1	10/06/01	1281501
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1J060123 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JP1AA		MB Lot-Sample #:	A1J140000-110	
	ND	1.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 1				
Cyanide, Total		Work Order #: EL1M91AA		MB Lot-Sample #:	H1J110000-472	
	ND	0.010	mg/L	SW846 9012A	10/09-10/10/01	1284472
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: EMLPV1AA		MB Lot-Sample #:	A1J230000-365	
	ND	5.0	mg/L	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 1				
Nitrate		Work Order #: ELXL61AA		MB Lot-Sample #:	A1J100000-538	
	ND	0.10	mg/L	MCAWW 353.2	10/06/01	1283538
		Dilution Factor: 1				
Sulfate		Work Order #: EL8KW1AA		MB Lot-Sample #:	A1J160000-369	
	ND	5.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1				
Total Alkalinity		Work Order #: ELVAN1AA		MB Lot-Sample #:	A1J090000-410	
	2.0 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/06/01**	**1282410**
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: EL2LT1AA		MB Lot-Sample #:	A1J090000-420	
	ND	10.0	mg/L	MCAWW 160.1	10/09-10/10/01	1282420
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: EM52N1AA		MB Lot-Sample #:	A1K010000-138	
	ND	1.0	mg/L	SW846 9060	10/31/01	1305138
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: ELVAM1AA		MB Lot-Sample #:	A1J090000-256	
	ND	4.0	mg/L	MCAWW 160.2	10/09/01	1282256
		Dilution Factor: 1				
Turbidity		Work Order #: ELRMP1AA		MB Lot-Sample #:	A1J080000-501	
	0.020 B	**0.12**	**NTU**	**MCAWW 180.1**	**10/06/01**	**1281501**
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J060123 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated			Work Order #: EL5JP1AC		LCS Lot-Sample#:	A1J140000-110	
	124	129	mg/L	104	MCAWW 325.2	10/14/01	1287110
			Dilution Factor: 1				
Cyanide, Total			Work Order #: EL1M91AC		LCS Lot-Sample#:	H1J110000-472	
	0.200	0.209	mg/L	104	SW846 9012A	10/09-10/10/01	1284472
			Dilution Factor: 1				
Hardness, as CaCO3			Work Order #: EMLPV1AC		LCS Lot-Sample#:	A1J230000-365	
	224	233	mg/L	104	MCAWW 130.2	10/23/01	1296365
			Dilution Factor: 1				
Nitrate			Work Order #: ELXL61AC		LCS Lot-Sample#:	A1J100000-538	
	0.500	0.464	mg/L	93	MCAWW 353.2	10/06/01	1283538
			Dilution Factor: 1				
Sulfate			Work Order #: EL8KW1AC		LCS Lot-Sample#:	A1J160000-369	
	18.3	19.6	mg/L	107	MCAWW 375.4	10/16/01	1289369
			Dilution Factor: 1				
Total Alkalinity			Work Order #: ELVAN1AC		LCS Lot-Sample#:	A1J090000-410	
	18.3	18.3	mg/L	100	MCAWW 310.1	10/06/01	1282410
			Dilution Factor: 1				
Total Dissolved Solids			Work Order #: EL2LT1AC		LCS Lot-Sample#:	A1J090000-420	
	281	288	mg/L	102	MCAWW 160.1	10/09-10/10/01	1282420
			Dilution Factor: 1				
Total Organic Carbon			Work Order #: EM52N1AC		LCS Lot-Sample#:	A1K010000-138	
	50.4	47.9	mg/L	95	SW846 9060	10/31/01	1305138
			Dilution Factor: 1				
Total Suspended Solids			Work Order #: ELVAM1AC		LCS Lot-Sample#:	A1J090000-256	
	62.2	60.0	mg/L	96	MCAWW 160.2	10/09/01	1282256
			Dilution Factor: 1				
Turbidity			Work Order #: ELRMP1AC		LCS Lot-Sample#:	A1J080000-501	
	1.00	1.05	NTU	105	MCAWW 180.1	10/06/01	1281501
			Dilution Factor: 1				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J060123 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: H1J060123 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JP1AC		LCS Lot-Sample#: A1J140000-110	
	104	(90 - 115)	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 1			
Cyanide, Total		Work Order #: EL1M91AC		LCS Lot-Sample#: H1J110000-472	
	104	(88 - 113)	SW846 9012A	10/09-10/10/01	1284472
		Dilution Factor: 1			
Hardness, as CaCO3		Work Order #: EMLPV1AC		LCS Lot-Sample#: A1J230000-365	
	104	(84 - 116)	MCAWW 130.2	10/23/01	1296365
		Dilution Factor: 1			
Nitrate		Work Order #: ELXL61AC		LCS Lot-Sample#: A1J100000-538	
	93	(77 - 116)	MCAWW 353.2	10/06/01	1283538
		Dilution Factor: 1			
Sulfate		Work Order #: EL8KW1AC		LCS Lot-Sample#: A1J160000-369	
	107	(80 - 112)	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1			
Total Alkalinity		Work Order #: ELVAN1AC		LCS Lot-Sample#: A1J090000-410	
	100	(90 - 127)	MCAWW 310.1	10/06/01	1282410
		Dilution Factor: 1			
Total Dissolved Solids		Work Order #: EL2LT1AC		LCS Lot-Sample#: A1J090000-420	
	102	(69 - 120)	MCAWW 160.1	10/09-10/10/01	1282420
		Dilution Factor: 1			
Total Organic Carbon		Work Order #: EM52N1AC		LCS Lot-Sample#: A1K010000-138	
	95	(88 - 115)	SW846 9060	10/31/01	1305138
		Dilution Factor: 1			
Total Suspended Solids		Work Order #: ELVAM1AC		LCS Lot-Sample#: A1J090000-256	
	96	(66 - 119)	MCAWW 160.2	10/09/01	1282256
		Dilution Factor: 1			
Turbidity		Work Order #: ELRMP1AC		LCS Lot-Sample#: A1J080000-501	
	105	(75 - 125)	MCAWW 180.1	10/06/01	1281501
		Dilution Factor: 1			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: H1J060123 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #

NOTE(S):

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

Sample Receipt Documentation

H1-3060123

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100501STL-K

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Kessler
Profit Center:
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/05/01
Laboratory Destination: STL - Knoxville
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 828403846671

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD3018R	Water	1-/05/01 15:30	VOA vials	120 ml	HCl	Volatiles		
BD3052	Water	10/05/01 09:20	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide	PH<2	
BD3030	Water	10/05/01 09:20	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide	PH<2 PH>12	
BD3041	Water	10/05/01 09:00	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide	PH<2 PH>12	Custody seal intact
BD3050	Water	10/05/01 09:00	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide	PH<2	Received at 2° DKD 10-6-01
BD3006R	Water	10/05/01 15:45	VOA vials & HDPE	1120 ml	As Required	Volatiles, Metals (filtered & unfiltered)	PH<2 or PH>12	FEDEX # 828403846671
BD3009R	Water	10/05/01 12:00	VOA vials & HDPE	1120 ml	As Required	Volatiles, Metals (filtered & unfiltered)	PH<2	
TB100501A	Water	10/05/01 17:30	VOA vials	80 ml	Ice / HCl	Volatiles		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: 21 DAYS Rush: ____

Level of QC Required:
I. ____ II. ____ III. ____ Project Specific: ____

1. Relinquished by:	Date: 10-5-01 Time: 18:00	1. Received by:	Date: 10-6-01 Time: 10:30
2. Relinquished by:	Date: Time:	2. Received by:	Date: Time:
3. Relinquished by:	Date: Time:	2. Received by:	Date: Time:

Comments: ** Note: Reduced volume submitted for BD3034 - Please try to analyze for Explosives and Semivolatiles from 2 liters submitted as compared to the normal 3 liters.
Thank You

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STL KNOXVILLE
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Page 1 of 2

CLIENT: IT CORP PROJECT: PBOW Lot No.: H13060123

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?	✓		
(NOTE: North Carolina, 1668, 1613B have 0-4°C requirement)			
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 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 Dawson DATE: 10-6-01

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 44281			
b. Informed Login associates of special instructions ?			X

2. If custody seals were missing/not intact, was client notified? — — X

PROJECT MANAGER : [signature] DATE: 10/10/01

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
BD3052	9012	4B	DID NOT RECEIVE
BD3050	↓	↓	↓ ↓
BD3006R	9012	4A	NOT LISTED ON COC
BD3018R	8260	3E	3 OF 3 RECEIVED WITH HEADSPACE
BD3052	↓	↓	1 OF 3 " " "
BD3009R	↓	↓	1 OF 3 " " "
BD3030	HARDNESS	4A	NOT LISTED ON KNOXVILLE COC

☑ Client informed on 10/8/01 by JDR. Person contacted: MAUREEN McMYLER/I.T.

☑ Noted actions in comments section above.

☐ No action necessary; process as is.

Project Manager: [signature] Date: 10/8/01

STL KNOXVILLE

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 received with < ½ holding time remaining
	4e Sample preservative: _____
	4f 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): _____

STL KNOXVILLE

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT PROJECT: PBOW Lot No.: 1H1J060123

TO BE COMPETED BY PROJECT MANAGER:

1. Client Documents (Request for Analysis/Chain of Custody):	YES	NO	NA
a. Was QuanTIMS lot number documented on all paperwork?	X		
b. Was RFA/COC signed upon receipt, including date/time?	X		
c. Is preservative check (pH) noted on RFA/COC?	X		
d. Is cooler temperature & custody seal condition noted on COC?	X		

2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	X		
b. Were tests/parameters assigned correctly?	X		
c. Were correct analytical and report due dates assigned?	X		
d. Has the correct fax due date been assigned to the lot?			X
e. Is the correct report format noted in the lot summary?	X		
f. Is percent moisture logged for samples requiring this analysis?			X
g. Are client assigned QC samples properly defined?			X

3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?			X
b. If the purchase order number is given, is it noted in Lot header?			X
c. If samples were subcontracted, was copy of COC in folder?	X		

4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?			X
b. Is SDG number noted in Lot header & sample comments?			X
c. If SDG is complete, has the due date been revised & marked closed?			X

5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	X		
b. Was there a CUR?	X		
c. Were all issues resolved?	X		

LOT FOLDER REVIEWED BY: jm DATE: 10/10/01

H1J060123

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100501STL-N

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Kessler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/05/01
Laboratory Destination: STL - North Canton
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 828483846682

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative		Condition on Receipt	Disposal Record
HD3018R	Water	1-/05/01 15:30	HDPE	1000 ml	As Required	Nitrate, Turbidity 180.1		
HD3030	Water	10/05/01 09:20	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
HD3041	Water	10/05/01 09:00	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
HD3006R	Water	10/05/01 15:45	HDPE	1000 ml	As Required	Nitrate, Turbidity 180.1		
HD3009R	Water	10/05/01 12:00	HDPE	1000 ml	As Required	Nitrate, Turbidity 180.1		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: Flammable: Poison B: Unknown:

Sample Disposal:
Return to Client: Disposal by Lab: Archive:

Turnaround Time:
Normal: Rush:

Level of QC Required:
I II III

Project Specific:

1. Relinquished by: [signature] Date: 10-5-01 Time: 18:00
1. Received by: Ann Sanders Date: 10-6-01 Time: 9:30 AM
2. Relinquished by: Date: Time:
2. Received by: Date: Time:
3. Relinquished by: Date: Time:
2. Received by: Date: Time:

Comments: Please disregard laboratory reference on bottle labels.

H1J060123

STL Cooler Receipt Form/Narrative
North Canton Facility

Client: IT
Project: _____ Quote#: _____
Cooler Received on: 10-(9-01 Opened on: 10-(9-01 by: Anne Sanders (Signature)

Fedx [X] Client Drop Off [ ] UPS [ ] Airborne [ ]
Other: _____

Cooler [ ] Safe [ ] Foam Box [ ] Client Cooler [X] Other: _____
STL Shipper No#: _____

1. Were custody seals on the outside of the cooler and intact? Yes [X] No [ ]
   If YES, Quantity 2 Location Overlid
   Were the custody seals signed and dated? Yes [X] No [ ] NA [ ]
2. Shipper's packing slip attached to this form? Yes [X] No [ ]
3. Were custody papers included inside the cooler and relinquished? Yes [X] No [ ]
4. Did you sign the custody papers in the appropriate place? Yes [X] No [ ]
5. Packing material used:
Peanuts [ ] Bubble Wrap [X] Vermiculite [X] Foam [ ] None [ ] Other: _____
6. Cooler temperature upon receipt 2.2 °C (see back of form for multiple coolers/temp)
METHOD: Temperature Vial [X] Between Coolant & Sample Container [X] 10-10-01 AMS Against Bottles [ ]
COOLANT: Wet Ice [X] Blue Ice [ ] Dry Ice [ ] Water [ ] None [ ]
7. Were all the bottles sealed in separate plastic bags? Yes [ ] No [X]
8. Did all bottles arrive in good condition (Unbroken)? Yes [X] No [ ]
9. Did all bottle labels and tags agree with the custody papers? 10-10 AMS ~~Yes~~ No [X]
10. Were samples at the correct pH? Yes [X] No [ ] NA [ ]
11. Were correct bottles used for the tests indicated? Yes [X] No [ ]
12. Were air bubbles >6 mm in any VOA vials? Yes [X] No [ ] NA [ ]
13. Was a sufficient amount of sample sent in each bottle? Yes [ ] No [ ]
Contacted PM _____ Date: _____ by: _____ via Voice Mail [ ] Verbal [ ] Other [ ]
Concerning:

√	MACRO	MACRO
	1. CHAIN OF CUSTODY	
	SR1A	Samples were received under proper custody procedures and without discrepancies.
✓	SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred did not receive hardness bottles for BD3030.
	2. SAMPLE CONDITION	
	SR2A	Sample(s) _____ were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) _____ were received with insufficient volume
	SR2C	Sample(s) _____ were received in a broken container.
	3. SAMPLE PRESERVATION	
	SR3A	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s).
✓	SR3B	Sample(s) 2VOA BD3030 were received with bubble > 6 mm in diameter (cc: PM)
	4. NCM	
	SR4A	NCM has been generated. Refer to Clouseau for details
	5. Other Anomalies (see below or back)	

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
BD3041	<2	10-6-01	AMS

Cooler	Temp	Method	Comments

Discrepancies Cont.

Macro Name:

Macro Name:

Macro Name:

Macro Name:

Other Anomalies:

SEVERN
TRENT
SERVICES

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921-5947

Tel: 865-291-3000
Fax: 865-584-4315
www.stl-inc.com

ANALYTICAL REPORT

PBOW

Lot #: H1J090111

Maureen McMyler

IT Corporation - Knoxville
312 Directors Drive
Knoxville, TN 37923

SEVERN TRENT LABORATORIES, INC.

Jamie A. McKinney
Project Manager

November 12, 2001

H1J090111 Sample Data Summary **1**

Sample Receipt Documentation **133**

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Raw Sample Data 142
Standards Data 252
Raw QC Data 315
Miscellaneous Data 388

Semi-Volatiles **397**
Raw Sample Data 398
Standards Data 458
Raw QC Data 545
Miscellaneous Data 605

Explosives **611**
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Standards Data 625
Raw QC Data 698
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Metals **721**
Sample Results 722
QC Summary 735
Quality Control Results SuperTrace ICP 782
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Raw Data Mercury 1285
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QC Summary 1329
Raw Data 1336
Miscellaneous Data 1566

Sample Receipt Documentation **1575**

Total Number of Pages **1582**

SAMPLE SUMMARY

H1J090111

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ELR8A	001	BD3038	10/08/01	09:40
ELR8L	002	BD3027	10/08/01	10:20
ELR8W	003	BD3004	10/08/01	11:45
ELR86	004	TB100801A	10/08/01	18:00
ELR9J	005	BD3038	10/08/01	09:40
ELR9M	006	BD3027	10/08/01	10:20
ELR91	007	BD3004	10/08/01	11:45

NOTE(S):

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

ANALYTICAL METHODS SUMMARY

H1J090111

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate	MCAWW 353.2
Nitroaromatics and Nitramines by HPLC	SW846 8330
Non-Filterable Residue (TSS)	MCAWW 160.2
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Sulfate	MCAWW 375.4
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	SW846 9060
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Turbidity (Nephelometric)	MCAWW 180.1
Volatile Organics by GC/MS	SW846 8260B

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
H1J090111

The results reported herein are applicable to the samples submitted for analysis only.

The original chain of custody documentation is included with this report.

Sample Receipt

The unfiltered metals portion of sample BD3027 MS and and the filtered metals portion of BD3027 MSD were received at a pH of 5. The samples were preserved by laboratory personnel.

The hardness portion of sample BD3027 was received unpreserved. The sample was preserved by laboratory personnel.

Subcontract

The following analyses were performed by STL North Canton Laboratory, 4101 Shuffel Drive, NW, North Canton, OH 44720: Hardness (MCAAW 130.2), Total Dissolved Solids (MCAAW 160.1), Total Suspended Solids (MCAAW 160.2), Turbidity, (MCAAW 180.1), Alkalinity (MCAAW 310.1), Chloride (MCAAW 325.2), Nitrate (MCAAW 353.2), Sulfate (MCAAW 375.4), and Total Organic Carbon (SW846 9060).

Quality Control

Unless otherwise noted, all holding times and QC criteria were met. The test results shown in this report meet all applicable NELAC requirements. Any exceptions are noted below.

Volatiles

Sample BD3038 was reported with elevated reporting limits for all analytes due to difficult sample matrix (sample foaming). A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

Samples BD3027 and BD3004 were reported with elevated reporting limits for all analytes due to the presence of non-target compounds. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

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PROJECT NARRATIVE
H1J090111

Semi-Volatiles

All method blank, laboratory control sample (LCS), and sample surrogate criteria were met. There was one National Environmental Laboratory Accreditation Conference (NELAC) requirement that was not met, but it had no impact on the quality of the sample data. NELAC requires that if a two successive continuing calibration verification (CCV) standards fail to meet criteria, the laboratory must run two further successive CCV standards that meet calibration criteria or analyze a new initial calibration. The laboratory ran one CCV standard that met all calibration criteria. The two prior CCVs did not meet criteria for only one analyte, 2-nitrophenol. The batch LCS was run after this CCV. The results of this LCS demonstrated that the 2-nitrophenol was within control limits indicating that there was no impact on the quality of the data. Also, this analyte was not detected in any of the samples. Therefore, the sample data quality is acceptable.

Explosives

The matrix spike/matrix spike duplicate recoveries for sample BD0327 were acceptable for all analytes except tetryl. The laboratory control sample showed acceptable results indicating that the analysis was in control. The matrix spike/matrix spike duplicate results are, therefore, attributed to matrix effects.

The matrix spike/matrix spike duplicate recoveries and/or RPDs for sample BD3004 were acceptable for all analytes except 2,4,6-trinitrotoluene and 2,6-dinitrotoluene. 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.

Due to sample matrix interferences, estimated results below the reporting limit were not reported for some analytes. The result was qualified with an "I" flag to indicate the presence of matrix interferences.

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PROJECT NARRATIVE
H1J090111

Metals

The serial dilution of samples BD3027 and BD3027D were outside control limits potassium due to physical or chemical matrix interferences.

The matrix spike/matrix spike duplicate recoveries for total metals for sample BD3004 were outside control limits for some aluminum and iron. 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.

Cyanide

The standards and sample BD3027 were treated with bismuth nitrate to remove sulfide prior to distillation.

Nitrate

The samples analyzed within holding time, however, the CCV failed. The samples were reanalyzed outside of holding time with acceptable CCVs. Both sets of data were reported.

Total Organic Carbon

One of the CCBs was above the reporting limit. However, the next two CCBs were below the reporting limit, and all other QC was within range.

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Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3038

GC/MS Volatiles

Lot-Sample #...: H1J090111-001 Work Order #...: ELR8A1A4 Matrix.....: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01
Prep Date.....: 10/11/01 Analysis Date..: 10/11/01
Prep Batch #...: 1284240
Dilution Factor: 5 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	10	ug/L
Bromomethane	ND	10	ug/L
Vinyl chloride	ND	5.0	ug/L
Chloroethane	ND	10	ug/L
Methylene chloride	**1.5 J,B**	**10**	**ug/L**
Acetone	**110**	**50**	**ug/L**
Carbon disulfide	**8.0**	**5.0**	**ug/L**
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
2-Butanone	**75**	**25**	**ug/L**
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	**17**	**5.0**	**ug/L**
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	25	ug/L
2-Hexanone	ND	25	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	**5.2**	**5.0**	**ug/L**
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Xylenes (total)	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(80 - 120)
1,2-Dichloroethane-d4	88	(80 - 120)
Toluene-d8	98	(80 - 120)
Bromofluorobenzene	93	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3038

GC/MS Volatiles

Lot-Sample #...: H1J090111-001 Work Order #...: ELR8A1A4 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: BD3027

GC/MS Volatiles

Lot-Sample #...: H1J090111-002 Work Order #...: ELR8L1AF Matrix.....: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01
Prep Date.....: 10/11/01 Analysis Date..: 10/11/01
Prep Batch #...: 1284240
Dilution Factor: 2 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	4.0	ug/L
Bromomethane	ND	4.0	ug/L
Vinyl chloride	ND	2.0	ug/L
Chloroethane	ND	4.0	ug/L
Methylene chloride	**0.63 J,B**	**4.0**	**ug/L**
Acetone	**4.8 J**	**20**	**ug/L**
Carbon disulfide	ND	2.0	ug/L
1,1-Dichloroethene	ND	2.0	ug/L
1,1-Dichloroethane	ND	2.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Chloroform	ND	2.0	ug/L
1,2-Dichloroethane	ND	2.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	2.0	ug/L
Carbon tetrachloride	ND	2.0	ug/L
Bromodichloromethane	ND	2.0	ug/L
1,2-Dichloropropane	ND	2.0	ug/L
cis-1,3-Dichloropropene	ND	2.0	ug/L
Trichloroethene	ND	2.0	ug/L
Dibromochloromethane	ND	2.0	ug/L
1,1,2-Trichloroethane	ND	2.0	ug/L
Benzene	**0.60 J**	**2.0**	**ug/L**
trans-1,3-Dichloropropene	ND	2.0	ug/L
Bromoform	ND	2.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	2.0	ug/L
1,1,2,2-Tetrachloroethane	ND	2.0	ug/L
Toluene	**1.2 J**	**2.0**	**ug/L**
Chlorobenzene	ND	2.0	ug/L
Ethylbenzene	**1.0 J**	**2.0**	**ug/L**
Styrene	ND	2.0	ug/L
Xylenes (total)	**6.4**	**2.0**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	88	(80 - 120)
1,2-Dichloroethane-d4	87	(80 - 120)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	93	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3027

GC/MS Volatiles

Lot-Sample #...: H1J090111-002 Work Order #...: ELR8L1AF 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: BD3004

GC/MS Volatiles

Lot-Sample #...: H1J090111-003 Work Order #...: ELR8W1AN Matrix.....: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01
Prep Date.....: 10/12/01 Analysis Date..: 10/12/01
Prep Batch #...: 1285185
Dilution Factor: 100 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	**30 J**	**200**	**ug/L**
Bromomethane	ND	200	ug/L
Vinyl chloride	ND	100	ug/L
Chloroethane	ND	200	ug/L
Methylene chloride	**100 J,B**	**200**	**ug/L**
Acetone	**54 J**	**1000**	**ug/L**
Carbon disulfide	ND	100	ug/L
1,1-Dichloroethene	ND	100	ug/L
1,1-Dichloroethane	ND	100	ug/L
1,2-Dichloroethene (total)	ND	100	ug/L
Chloroform	ND	100	ug/L
1,2-Dichloroethane	ND	100	ug/L
2-Butanone	ND	500	ug/L
1,1,1-Trichloroethane	ND	100	ug/L
Carbon tetrachloride	ND	100	ug/L
Bromodichloromethane	ND	100	ug/L
1,2-Dichloropropane	ND	100	ug/L
cis-1,3-Dichloropropene	ND	100	ug/L
Trichloroethene	ND	100	ug/L
Dibromochloromethane	ND	100	ug/L
1,1,2-Trichloroethane	ND	100	ug/L
Benzene	**45 J**	**100**	**ug/L**
trans-1,3-Dichloropropene	ND	100	ug/L
Bromoform	ND	100	ug/L
4-Methyl-2-pentanone	ND	500	ug/L
2-Hexanone	ND	500	ug/L
Tetrachloroethene	ND	100	ug/L
1,1,2,2-Tetrachloroethane	ND	100	ug/L
Toluene	ND	100	ug/L
Chlorobenzene	ND	100	ug/L
Ethylbenzene	**64 J**	**100**	**ug/L**
Styrene	ND	100	ug/L
Xylenes (total)	**360**	**100**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	88	(80 - 120)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	96	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3004

GC/MS Volatiles

Lot-Sample #...: H1J090111-003 Work Order #...: ELR8W1AN 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: TB100801A

GC/MS Volatiles

Lot-Sample #...: H1J090111-004 Work Order #...: ELR861AA Matrix.....: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01
Prep Date.....: 10/11/01 Analysis Date..: 10/11/01
Prep Batch #...: 1284240
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**1.5 J,B**	**2.0**	**ug/L**
Acetone	**9.1 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	**1.8 J**	**5.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	**0.49 J**	**1.0**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(80 - 120)
1,2-Dichloroethane-d4	86	(80 - 120)
Toluene-d8	96	(80 - 120)
Bromofluorobenzene	98	(72 - 135)

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IT CORPORATION - KNOXVILLE

Client Sample ID: TB100801A

GC/MS Volatiles

Lot-Sample #...: H1J090111-004 Work Order #...: ELR861AA 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 #...: H1J090111 **Work Order #...:** ELX6G1AA **Matrix.....:** WATER
MB Lot-Sample #: H1J110000-240

Prep Date.....: 10/11/01
Analysis Date..: 10/11/01 **Prep Batch #...:** 1284240
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(80 - 120)
1,2-Dichloroethane-d4	86	(80 - 120)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	98	(72 - 135)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J090111 **Work Order #...:** ELX6G1AA **Matrix.....:** WATER

NOTE(S):

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

J Estimated result. Result is less than RL.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J090111
MS Lot-Sample #: H1J090111-002
Date Sampled...: 10/08/01
Prep Date.....: 10/11/01
Prep Batch #...: 1284240
Dilution Factor: 2

Work Order #...: ELR8L1CX-MS
ELR8L1C0-MSD
Date Received..: 10/09/01
Analysis Date..: 10/11/01

Matrix.....: WATER

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	20.0	19.6	ug/L	98		SW846 8260B
	ND	20.0	20.3	ug/L	101	3.3	SW846 8260B
Trichloroethene	ND	20.0	21.3	ug/L	107		SW846 8260B
	ND	20.0	20.8	ug/L	104	2.3	SW846 8260B
Benzene	0.60	20.0	22.3	ug/L	108		SW846 8260B
	0.60	20.0	21.6	ug/L	105	3.1	SW846 8260B
Toluene	1.2	20.0	24.2	ug/L	115		SW846 8260B
	1.2	20.0	23.6	ug/L	112	2.4	SW846 8260B
Chlorobenzene	ND	20.0	22.5	ug/L	113		SW846 8260B
	ND	20.0	21.7	ug/L	109	3.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(80 - 120)
	91	(80 - 120)
1,2-Dichloroethane-d4	85	(80 - 120)
	83	(80 - 120)
Toluene-d8	98	(80 - 120)
	98	(80 - 120)
Bromofluorobenzene	87	(72 - 135)
	88	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J090111 **Work Order #...:** ELR8L1CX-MS **Matrix.....:** WATER
MS Lot-Sample #: H1J090111-002 ELR8L1C0-MSD
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284240
Dilution Factor: 2

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**98**	**(58 - 130)**			**SW846 8260B**
	101	**(58 - 130)**	**3.3**	**(0-26)**	**SW846 8260B**
Trichloroethene	**107**	**(50 - 152)**			**SW846 8260B**
	104	**(50 - 152)**	**2.3**	**(0-17)**	**SW846 8260B**
Benzene	**108**	**(68 - 125)**			**SW846 8260B**
	105	**(68 - 125)**	**3.1**	**(0-19)**	**SW846 8260B**
Toluene	**115**	**(66 - 127)**			**SW846 8260B**
	112	**(66 - 127)**	**2.4**	**(0-17)**	**SW846 8260B**
Chlorobenzene	**113**	**(70 - 120)**			**SW846 8260B**
	109	**(70 - 120)**	**3.8**	**(0-17)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(80 - 120)
	91	(80 - 120)
1,2-Dichloroethane-d4	85	(80 - 120)
	83	(80 - 120)
Toluene-d8	98	(80 - 120)
	98	(80 - 120)
Bromofluorobenzene	87	(72 - 135)
	88	(72 - 135)

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

GC/MS Volatiles

Client Lot #...: H1J090111 **Work Order #...:** ELX6G1AC **Matrix.....:** WATER
LCS Lot-Sample#: H1J110000-240
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284240
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**9.56**	**ug/L**	**96**	**SW846 8260B**
Trichloroethene	**10.0**	**10.2**	**ug/L**	**102**	**SW846 8260B**
Benzene	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**
Toluene	**10.0**	**11.0**	**ug/L**	**110**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.7**	**ug/L**	**107**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	87	(80 - 120)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	91	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J090111 **Work Order #...:** ELX6G1AC **Matrix.....:** WATER
LCS Lot-Sample#: H1J110000-240
Prep Date.....: 10/11/01 **Analysis Date..:** 10/11/01
Prep Batch #...: 1284240
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**96**	**(69 - 120)**	**SW846 8260B**
Trichloroethene	**102**	**(76 - 120)**	**SW846 8260B**
Benzene	**105**	**(76 - 120)**	**SW846 8260B**
Toluene	**110**	**(77 - 120)**	**SW846 8260B**
Chlorobenzene	**107**	**(75 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	87	(80 - 120)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	91	(72 - 135)

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 #...: H1J090111 **Work Order #...:** EL2P11AA **Matrix.....:** WATER
MB Lot-Sample #: H1J120000-185

Prep Date.....: 10/12/01
Analysis Date..: 10/12/01 **Prep Batch #...:** 1285185
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(80 - 120)
1,2-Dichloroethane-d4	89	(80 - 120)
Toluene-d8	96	(80 - 120)
Bromofluorobenzene	97	(72 - 135)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J090111 **Work Order #...:** EL2P11AA **Matrix.....:** WATER

NOTE(S):

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

J Estimated result. Result is less than RL.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J090111 **Work Order #...:** ELR8W1DE-MS **Matrix.....:** WATER
MS Lot-Sample #: H1J090111-003 ELR8W1DF-MSD
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01
Prep Date.....: 10/12/01 **Analysis Date..:** 10/12/01
Prep Batch #...: 1285185
Dilution Factor: 100

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	ND	1000	1010	ug/L	101		SW846 8260B
	ND	1000	921	ug/L	92	9.3	SW846 8260B
Trichloroethene	ND	1000	1110	ug/L	111		SW846 8260B
	ND	1000	1040	ug/L	104	6.5	SW846 8260B
Benzene	45	1000	1180	ug/L	113		SW846 8260B
	45	1000	1110	ug/L	107	5.8	SW846 8260B
Toluene	ND	1000	1140	ug/L	114		SW846 8260B
	ND	1000	1090	ug/L	109	4.2	SW846 8260B
Chlorobenzene	ND	1000	1120	ug/L	112		SW846 8260B
	ND	1000	1080	ug/L	108	3.6	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(80 - 120)
	97	(80 - 120)
1,2-Dichloroethane-d4	88	(80 - 120)
	87	(80 - 120)
Toluene-d8	97	(80 - 120)
	98	(80 - 120)
Bromofluorobenzene	90	(72 - 135)
	92	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J090111 **Work Order #...:** ELR8W1DE-MS **Matrix.....:** WATER
MS Lot-Sample #: H1J090111-003 ELR8W1DF-MSD
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01
Prep Date.....: 10/12/01 **Analysis Date..:** 10/12/01
Prep Batch #...: 1285185
Dilution Factor: 100

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**101**	**(58 - 130)**			**SW846 8260B**
	92	**(58 - 130)**	**9.3**	**(0-26)**	**SW846 8260B**
Trichloroethene	**111**	**(50 - 152)**			**SW846 8260B**
	104	**(50 - 152)**	**6.5**	**(0-17)**	**SW846 8260B**
Benzene	**113**	**(68 - 125)**			**SW846 8260B**
	107	**(68 - 125)**	**5.8**	**(0-19)**	**SW846 8260B**
Toluene	**114**	**(66 - 127)**			**SW846 8260B**
	109	**(66 - 127)**	**4.2**	**(0-17)**	**SW846 8260B**
Chlorobenzene	**112**	**(70 - 120)**			**SW846 8260B**
	108	**(70 - 120)**	**3.6**	**(0-17)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(80 - 120)
	97	(80 - 120)
1,2-Dichloroethane-d4	88	(80 - 120)
	87	(80 - 120)
Toluene-d8	97	(80 - 120)
	98	(80 - 120)
Bromofluorobenzene	90	(72 - 135)
	92	(72 - 135)

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

GC/MS Volatiles

Client Lot #...: H1J090111 **Work Order #...:** EL2P11AC **Matrix.....:** WATER
LCS Lot-Sample#: H1J120000-185
Prep Date.....: 10/12/01 **Analysis Date..:** 10/12/01
Prep Batch #...: 1285185
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**8.28**	**ug/L**	**83**	**SW846 8260B**
Trichloroethene	**10.0**	**9.46**	**ug/L**	**95**	**SW846 8260B**
Benzene	**10.0**	**9.76**	**ug/L**	**98**	**SW846 8260B**
Toluene	**10.0**	**10.1**	**ug/L**	**101**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.86**	**ug/L**	**99**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	87	(80 - 120)
Toluene-d8	98	(80 - 120)
Bromofluorobenzene	92	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J090111 **Work Order #...:** EL2P11AC **Matrix.....:** WATER
LCS Lot-Sample#: H1J120000-185
Prep Date.....: 10/12/01 **Analysis Date..:** 10/12/01
Prep Batch #...: 1285185
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**83**	**(69 - 120)**	**SW846 8260B**
Trichloroethene	**95**	**(76 - 120)**	**SW846 8260B**
Benzene	**98**	**(76 - 120)**	**SW846 8260B**
Toluene	**101**	**(77 - 120)**	**SW846 8260B**
Chlorobenzene	**99**	**(75 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(80 - 120)
1,2-Dichloroethane-d4	87	(80 - 120)
Toluene-d8	98	(80 - 120)
Bromofluorobenzene	92	(72 - 135)

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: BD3038

GC/MS Semivolatiles

Lot-Sample #...: H1J090111-001 Work Order #...: ELR8A1A5 Matrix.....: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01
Prep Date.....: 10/10/01 Analysis Date..: 10/17/01
Prep Batch #...: 1283123
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**2.2 J**	**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-propyl-amine	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-Trichloro-benzene	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
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3038

GC/MS Semivolatiles

Lot-Sample #...: H1J090111-001 **Work Order #...:** ELR8A1A5 **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	83	(29 - 110)
Phenol-d5	85	(41 - 115)
Nitrobenzene-d5	110	(46 - 117)
2-Fluorobiphenyl	89	(44 - 116)
2,4,6-Tribromophenol	116	(31 - 138)
Terphenyl-d14	77	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3038

GC/MS Semivolatiles

Lot-Sample #...: H1J090111-001 Work Order #...: ELR8A1A5 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3027

GC/MS Semivolatiles

Lot-Sample #...: H1J090111-002 **Work Order #...:** ELR8L1AG **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01
Prep Date.....: 10/10/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1283123
Dilution Factor: 1 **Method.....:** SW846 8270C

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-propyl-amine	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-Trichloro-benzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**1.7 J**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3027

GC/MS Semivolatiles

Lot-Sample #...: H1J090111-002 Work Order #...: ELR8L1AG Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	40	(29 - 110)
Phenol-d5	46	(41 - 115)
Nitrobenzene-d5	91	(46 - 117)
2-Fluorobiphenyl	84	(44 - 116)
2,4,6-Tribromophenol	100	(31 - 138)
Terphenyl-d14	95	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3027

GC/MS Semivolatiles

Lot-Sample #...: H1J090111-002 Work Order #...: ELR8L1AG Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3004

GC/MS Semivolatiles

Lot-Sample #...: H1J090111-003 Work Order #...: ELR8W1AP Matrix.....: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01
Prep Date.....: 10/10/01 Analysis Date..: 10/17/01
Prep Batch #...: 1283123
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**2.2 J**	**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-propyl-amine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	**2.5 J**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
Naphthalene	**12**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**9.8 J**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3004

GC/MS Semivolatiles

Lot-Sample #...: H1J090111-003 Work Order #...: ELR8W1AP Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	77	(29 - 110)
Phenol-d5	88	(41 - 115)
Nitrobenzene-d5	94	(46 - 117)
2-Fluorobiphenyl	85	(44 - 116)
2,4,6-Tribromophenol	100	(31 - 138)
Terphenyl-d14	61	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3004

GC/MS Semivolatiles

Lot-Sample #...: H1J090111-003 Work Order #...: ELR8W1AP Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J090111 **Work Order #...:** ELVXH1AA **Matrix.....:** WATER
MB Lot-Sample #: H1J100000-123

Prep Date.....: 10/10/01
Analysis Date..: 10/16/01 **Prep Batch #...:** 1283123
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J090111 Work Order #...: ELVXH1AA Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	80	(29 - 110)
Phenol-d5	90	(41 - 115)
Nitrobenzene-d5	95	(46 - 117)
2-Fluorobiphenyl	89	(44 - 116)
2,4,6-Tribromophenol	94	(31 - 138)
Terphenyl-d14	96	(36 - 134)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J090111 Work Order #...: ELVXH1AA Matrix.....: WATER

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J090111
MS Lot-Sample #: H1J090111-002
Date Sampled...: 10/08/01
Prep Date.....: 10/10/01
Prep Batch #...: 1283123
Dilution Factor: 1

Work Order #...: ELR8L1C1-MS
ELR8L1C2-MSD
Date Received..: 10/09/01
Analysis Date..: 10/17/01

Matrix.....: WATER

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Phenol	ND	97.3	78.7	ug/L	81		SW846 8270C
	ND	100	79.1	ug/L	79	0.50	SW846 8270C
2-Chlorophenol	ND	97.3	80.3	ug/L	83		SW846 8270C
	ND	100	78.6	ug/L	79	2.1	SW846 8270C
1,4-Dichlorobenzene	ND	97.3	81.6	ug/L	84		SW846 8270C
	ND	100	76.9	ug/L	77	5.9	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	97.3	80.4	ug/L	83		SW846 8270C
	ND	100	78.4	ug/L	78	2.5	SW846 8270C
1,2,4-Trichloro-benzene	ND	97.3	84.0	ug/L	86		SW846 8270C
	ND	100	79.8	ug/L	80	5.1	SW846 8270C
4-Chloro-3-methylphenol	ND	97.3	87.8	ug/L	90		SW846 8270C
	ND	100	92.0	ug/L	92	4.7	SW846 8270C
Acenaphthene	ND	97.3	73.8	ug/L	76		SW846 8270C
	ND	100	75.8	ug/L	76	2.7	SW846 8270C
4-Nitrophenol	ND	97.3	94.1	ug/L	97		SW846 8270C
	ND	100	99.8	ug/L	100	5.9	SW846 8270C
2,4-Dinitrotoluene	ND	97.3	100	ug/L	103		SW846 8270C
	ND	100	101	ug/L	101	0.99	SW846 8270C
Pentachlorophenol	ND	97.3	92.1	ug/L	95		SW846 8270C
	ND	100	95.9	ug/L	96	4.0	SW846 8270C
Pyrene	ND	97.3	75.3	ug/L	77		SW846 8270C
	ND	100	77.7	ug/L	78	3.1	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(29 - 110)
	77	(29 - 110)
Phenol-d5	88	(41 - 115)
	83	(41 - 115)
Nitrobenzene-d5	99	(46 - 117)
	90	(46 - 117)
2-Fluorobiphenyl	92	(44 - 116)
	89	(44 - 116)
2,4,6-Tribromophenol	99	(31 - 138)
	99	(31 - 138)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J090111 **Work Order #...:** ELR8L1C1-MS **Matrix.....:** WATER
MS Lot-Sample #: H1J090111-002 ELR8L1C2-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	95	(36 - 134)
	93	(36 - 134)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J090111 Work Order #...: ELR8W1DG-MS Matrix.....: WATER
MS Lot-Sample #: H1J090111-003 ELR8W1DH-MSD
Date Sampled...: 10/08/01 Date Received..: 10/09/01
Prep Date.....: 10/10/01 Analysis Date..: 10/17/01
Prep Batch #...: 1283123
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Phenol	2.2	97.9	86.5	ug/L	86		SW846 8270C
	2.2	95.2	82.5	ug/L	84	4.7	SW846 8270C
2-Chlorophenol	ND	97.9	88.1	ug/L	90		SW846 8270C
	ND	95.2	86.9	ug/L	91	1.4	SW846 8270C
1,4-Dichlorobenzene	ND	97.9	84.8	ug/L	87		SW846 8270C
	ND	95.2	83.8	ug/L	88	1.2	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	97.9	85.1	ug/L	87		SW846 8270C
	ND	95.2	84.3	ug/L	89	0.94	SW846 8270C
1,2,4-Trichloro-benzene	ND	97.9	86.0	ug/L	88		SW846 8270C
	ND	95.2	85.5	ug/L	90	0.58	SW846 8270C
4-Chloro-3-methylphenol	ND	97.9	97.5	ug/L	100		SW846 8270C
	ND	95.2	95.7	ug/L	101	1.9	SW846 8270C
Acenaphthene	ND	97.9	75.7	ug/L	77		SW846 8270C
	ND	95.2	73.6	ug/L	77	2.8	SW846 8270C
4-Nitrophenol	ND	97.9	104	ug/L	106		SW846 8270C
	ND	95.2	99.5	ug/L	105	4.4	SW846 8270C
2,4-Dinitrotoluene	ND	97.9	111	ug/L	113		SW846 8270C
	ND	95.2	106	ug/L	111	4.6	SW846 8270C
Pentachlorophenol	ND	97.9	107	ug/L	109		SW846 8270C
	ND	95.2	104	ug/L	109	2.8	SW846 8270C
Pyrene	ND	97.9	70.6	ug/L	72		SW846 8270C
	ND	95.2	67.9	ug/L	71	3.9	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	89	(29 - 110)
	88	(29 - 110)
Phenol-d5	94	(41 - 115)
	96	(41 - 115)
Nitrobenzene-d5	102	(46 - 117)
	103	(46 - 117)
2-Fluorobiphenyl	94	(44 - 116)
	92	(44 - 116)
2,4,6-Tribromophenol	106	(31 - 138)
	107	(31 - 138)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J090111 **Work Order #...:** ELR8W1DG-MS **Matrix.....:** WATER
MS Lot-Sample #: H1J090111-003 ELR8W1DH-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	68	(36 - 134)
	63	(36 - 134)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J090111 Work Order #...: ELR8L1C1-MS Matrix.....: WATER
MS Lot-Sample #: H1J090111-002 ELR8L1C2-MSD
Date Sampled...: 10/08/01 Date Received..: 10/09/01
Prep Date.....: 10/10/01 Analysis Date..: 10/17/01
Prep Batch #...: 1283123
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	81	(54 - 111)			SW846 8270C
	79	(54 - 111)	0.50	(0-39)	SW846 8270C
2-Chlorophenol	83	(53 - 110)			SW846 8270C
	79	(53 - 110)	2.1	(0-41)	SW846 8270C
1,4-Dichlorobenzene	84	(42 - 110)			SW846 8270C
	77	(42 - 110)	5.9	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	83	(57 - 117)			SW846 8270C
	78	(57 - 117)	2.5	(0-31)	SW846 8270C
1,2,4-Trichloro-benzene	86	(54 - 109)			SW846 8270C
	80	(54 - 109)	5.1	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	90	(65 - 109)			SW846 8270C
	92	(65 - 109)	4.7	(0-28)	SW846 8270C
Acenaphthene	76	(62 - 107)			SW846 8270C
	76	(62 - 107)	2.7	(0-29)	SW846 8270C
4-Nitrophenol	97	(59 - 125)			SW846 8270C
	100	(59 - 125)	5.9	(0-30)	SW846 8270C
2,4-Dinitrotoluene	103	(70 - 119)			SW846 8270C
	101	(70 - 119)	0.99	(0-29)	SW846 8270C
Pentachlorophenol	95	(38 - 124)			SW846 8270C
	96	(38 - 124)	4.0	(0-41)	SW846 8270C
Pyrene	77	(67 - 125)			SW846 8270C
	78	(67 - 125)	3.1	(0-26)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(29 - 110)
	77	(29 - 110)
Phenol-d5	88	(41 - 115)
	83	(41 - 115)
Nitrobenzene-d5	99	(46 - 117)
	90	(46 - 117)
2-Fluorobiphenyl	92	(44 - 116)
	89	(44 - 116)
2,4,6-Tribromophenol	99	(31 - 138)
	99	(31 - 138)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J090111 **Work Order #...:** ELR8L1C1-MS **Matrix.....:** WATER
MS Lot-Sample #: H1J090111-002 ELR8L1C2-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	95	(36 - 134)
	93	(36 - 134)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J090111 Work Order #...: ELR8W1DG-MS Matrix.....: WATER
MS Lot-Sample #: H1J090111-003 ELR8W1DH-MSD
Date Sampled...: 10/08/01 Date Received..: 10/09/01
Prep Date.....: 10/10/01 Analysis Date..: 10/17/01
Prep Batch #...: 1283123
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	86	(54 - 111)			SW846 8270C
	84	(54 - 111)	4.7	(0-39)	SW846 8270C
2-Chlorophenol	90	(53 - 110)			SW846 8270C
	91	(53 - 110)	1.4	(0-41)	SW846 8270C
1,4-Dichlorobenzene	87	(42 - 110)			SW846 8270C
	88	(42 - 110)	1.2	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	87	(57 - 117)			SW846 8270C
	89	(57 - 117)	0.94	(0-31)	SW846 8270C
1,2,4-Trichloro-benzene	88	(54 - 109)			SW846 8270C
	90	(54 - 109)	0.58	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	100	(65 - 109)			SW846 8270C
	101	(65 - 109)	1.9	(0-28)	SW846 8270C
Acenaphthene	77	(62 - 107)			SW846 8270C
	77	(62 - 107)	2.8	(0-29)	SW846 8270C
4-Nitrophenol	106	(59 - 125)			SW846 8270C
	105	(59 - 125)	4.4	(0-30)	SW846 8270C
2,4-Dinitrotoluene	113	(70 - 119)			SW846 8270C
	111	(70 - 119)	4.6	(0-29)	SW846 8270C
Pentachlorophenol	109	(38 - 124)			SW846 8270C
	109	(38 - 124)	2.8	(0-41)	SW846 8270C
Pyrene	72	(67 - 125)			SW846 8270C
	71	(67 - 125)	3.9	(0-26)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	89	(29 - 110)
	88	(29 - 110)
Phenol-d5	94	(41 - 115)
	96	(41 - 115)
Nitrobenzene-d5	102	(46 - 117)
	103	(46 - 117)
2-Fluorobiphenyl	94	(44 - 116)
	92	(44 - 116)
2,4,6-Tribromophenol	106	(31 - 138)
	107	(31 - 138)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J090111 **Work Order #...:** ELR8W1DG-MS **Matrix.....:** WATER
MS Lot-Sample #: H1J090111-003 ELR8W1DH-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	68	(36 - 134)
	63	(36 - 134)

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

GC/MS Semivolatiles

Client Lot #...: H1J090111 Work Order #...: ELVXH1AC Matrix.....: WATER
LCS Lot-Sample#: H1J100000-123
Prep Date.....: 10/10/01 Analysis Date..: 10/16/01
Prep Batch #...: 1283123
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Phenol	**100**	**82.5**	**ug/L**	**82**	**SW846 8270C**
2-Chlorophenol	**100**	**86.2**	**ug/L**	**86**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**83.0**	**ug/L**	**83**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**100**	**84.0**	**ug/L**	**84**	**SW846 8270C**
1,2,4-Trichloro-benzene	**100**	**85.4**	**ug/L**	**85**	**SW846 8270C**
4-Chloro-3-methylphenol	**100**	**92.5**	**ug/L**	**92**	**SW846 8270C**
Acenaphthene	**100**	**76.3**	**ug/L**	**76**	**SW846 8270C**
4-Nitrophenol	**100**	**100**	**ug/L**	**100**	**SW846 8270C**
2,4-Dinitrotoluene	**100**	**110**	**ug/L**	**110**	**SW846 8270C**
Pentachlorophenol	**100**	**98.9**	**ug/L**	**99**	**SW846 8270C**
Pyrene	**100**	**82.0**	**ug/L**	**82**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	83	(29 - 110)
Phenol-d5	91	(41 - 115)
Nitrobenzene-d5	95	(46 - 117)
2-Fluorobiphenyl	91	(44 - 116)
2,4,6-Tribromophenol	104	(31 - 138)
Terphenyl-d14	99	(36 - 134)

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 #...: H1J090111 Work Order #...: ELVXH1AC Matrix.....: WATER
LCS Lot-Sample#: H1J100000-123
Prep Date.....: 10/10/01 Analysis Date..: 10/16/01
Prep Batch #...: 1283123
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Phenol	**82**	**(61 - 111)**	**SW846 8270C**
2-Chlorophenol	**86**	**(61 - 110)**	**SW846 8270C**
1,4-Dichlorobenzene	**83**	**(49 - 110)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**84**	**(62 - 117)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**85**	**(64 - 109)**	**SW846 8270C**
4-Chloro-3-methylphenol	**92**	**(70 - 109)**	**SW846 8270C**
Acenaphthene	**76**	**(69 - 107)**	**SW846 8270C**
4-Nitrophenol	**100**	**(59 - 120)**	**SW846 8270C**
2,4-Dinitrotoluene	**110**	**(77 - 118)**	**SW846 8270C**
Pentachlorophenol	**99**	**(38 - 124)**	**SW846 8270C**
Pyrene	**82**	**(75 - 125)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	83	(29 - 110)
Phenol-d5	91	(41 - 115)
Nitrobenzene-d5	95	(46 - 117)
2-Fluorobiphenyl	91	(44 - 116)
2,4,6-Tribromophenol	104	(31 - 138)
Terphenyl-d14	99	(36 - 134)

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: BD3038

HPLC

Lot-Sample #...: H1J090111-001 **Work Order #...:** ELR8A1A3 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01
Prep Date.....: 10/15/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	101	(53 - 133)

NOTE(S):

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

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3027

HPLC

Lot-Sample #...: H1J090111-002 **Work Order #...:** ELR8L1AE **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01
Prep Date.....: 10/15/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	ug/L
RDX	ND	0.50	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND	0.20	ug/L
Tetryl	ND	0.20	ug/L
Nitrobenzene	ND	0.20	ug/L
2,4,6-Trinitrotoluene	**0.27**	**0.20**	**ug/L**
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	0.20	ug/L
2,4-Dinitrotoluene	ND	0.20	ug/L
2-Nitrotoluene	ND	0.20	ug/L
4-Nitrotoluene	ND	0.20	ug/L
3-Nitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	83	(53 - 133)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3004

HPLC

Lot-Sample #...: H1J090111-003 **Work Order #...:** ELR8W1AM **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01
Prep Date.....: 10/15/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	ug/L
RDX	ND	0.50	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND	0.20	ug/L
Tetryl	ND	0.20	ug/L
Nitrobenzene	ND	0.20	ug/L
2,4,6-Trinitrotoluene	**1.6**	**0.20**	**ug/L**
4-Amino-2,6-dinitrotoluene	ND G	0.99	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND G	6.3	ug/L
2,4-Dinitrotoluene	ND	0.20	ug/L
2-Nitrotoluene	ND I	0.20	ug/L
4-Nitrotoluene	ND I	0.20	ug/L
3-Nitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	105	(53 - 133)

NOTE(S):

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

I Matrix interference.

METHOD BLANK REPORT

HPLC

Client Lot #...: H1J090111 **Work Order #...:** EL5K71AA **Matrix.....:** WATER
MB Lot-Sample #: H1J150000-098

Prep Date.....: 10/15/01
Analysis Date..: 10/17/01 **Prep Batch #...:** 1288098
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	73	(53 - 133)

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J090111 Work Order #...: ELR8L1CV-MS Matrix.....: WATER
MS Lot-Sample #: H1J090111-002 ELR8L1CW-MSD
Date Sampled...: 10/08/01 Date Received..: 10/09/01
Prep Date.....: 10/15/01 Analysis Date..: 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	ND	3.00	3.32	ug/L	111		SW846 8330
	ND	3.00	3.02	ug/L	101	9.6	SW846 8330
RDX	ND	3.00	3.54	ug/L	118		SW846 8330
	ND	3.00	3.15	ug/L	105	12	SW846 8330
1,3,5-Trinitrobenzene	ND	3.00	3.10	ug/L	103		SW846 8330
	ND	3.00	2.84	ug/L	95	8.7	SW846 8330
1,3-Dinitrobenzene	ND	3.00	2.98	ug/L	99		SW846 8330
	ND	3.00	2.74	ug/L	91	8.2	SW846 8330
Tetryl	ND	3.00	0.0	ug/L	0.0 a		SW846 8330
	ND	3.00	0.0	ug/L	0.0 a	0.0	SW846 8330
Nitrobenzene	ND	3.00	2.92	ug/L	97		SW846 8330
	ND	3.00	2.57	ug/L	86	13	SW846 8330
2,4,6-Trinitrotoluene	0.27	3.00	3.72	ug/L	115		SW846 8330
	0.27	3.00	3.07	ug/L	93	19	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	3.00	2.67	ug/L	89		SW846 8330
	ND	3.00	2.51	ug/L	84	6.3	SW846 8330
2-Amino-4,6-dinitrotoluene	ND	3.00	3.03	ug/L	101		SW846 8330
	ND	3.00	2.89	ug/L	96	4.9	SW846 8330
2,6-Dinitrotoluene	ND	3.00	3.49	ug/L	116		SW846 8330
	ND	3.00	3.19	ug/L	106	8.9	SW846 8330
2,4-Dinitrotoluene	ND	3.00	3.32	ug/L	111		SW846 8330
	ND	3.00	2.95	ug/L	98	12	SW846 8330
2-Nitrotoluene	ND	3.00	2.76	ug/L	92		SW846 8330
	ND	3.00	2.35	ug/L	78	16	SW846 8330
4-Nitrotoluene	ND	3.00	2.67	ug/L	89		SW846 8330
	ND	3.00	2.39	ug/L	80	11	SW846 8330
3-Nitrotoluene	ND	3.00	2.95	ug/L	98		SW846 8330
	ND	3.00	2.46	ug/L	82	18	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	86	(53 - 133)
	84	(53 - 133)

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.

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: H1J090111 **Work Order #...:** ELR8L1CV-MS **Matrix.....:** WATER
MS Lot-Sample #: H1J090111-002 ELR8L1CW-MSD
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01
Prep Date.....: 10/15/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**111**	**(61 - 132)**			**SW846 8330**
	101	**(61 - 132)**	**9.6**	**(0-40)**	**SW846 8330**
RDX	**118**	**(30 - 191)**			**SW846 8330**
	105	**(30 - 191)**	**12**	**(0-35)**	**SW846 8330**
1,3,5-Trinitrobenzene	**103**	**(70 - 124)**			**SW846 8330**
	95	**(70 - 124)**	**8.7**	**(0-33)**	**SW846 8330**
1,3-Dinitrobenzene	**99**	**(72 - 130)**			**SW846 8330**
	91	**(72 - 130)**	**8.2**	**(0-42)**	**SW846 8330**
Tetryl	**0.0 a**	**(55 - 125)**			**SW846 8330**
	0.0 a	**(55 - 125)**	**0.0**	**(0-37)**	**SW846 8330**
Nitrobenzene	**97**	**(59 - 136)**			**SW846 8330**
	86	**(59 - 136)**	**13**	**(0-36)**	**SW846 8330**
2,4,6-Trinitrotoluene	**115**	**(71 - 123)**			**SW846 8330**
	93	**(71 - 123)**	**19**	**(0-34)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**89**	**(66 - 124)**			**SW846 8330**
	84	**(66 - 124)**	**6.3**	**(0-43)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**101**	**(64 - 134)**			**SW846 8330**
	96	**(64 - 134)**	**4.9**	**(0-34)**	**SW846 8330**
2,6-Dinitrotoluene	**116**	**(66 - 136)**			**SW846 8330**
	106	**(66 - 136)**	**8.9**	**(0-32)**	**SW846 8330**
2,4-Dinitrotoluene	**111**	**(70 - 133)**			**SW846 8330**
	98	**(70 - 133)**	**12**	**(0-36)**	**SW846 8330**
2-Nitrotoluene	**92**	**(54 - 136)**			**SW846 8330**
	78	**(54 - 136)**	**16**	**(0-38)**	**SW846 8330**
4-Nitrotoluene	**89**	**(59 - 131)**			**SW846 8330**
	80	**(59 - 131)**	**11**	**(0-33)**	**SW846 8330**
3-Nitrotoluene	**98**	**(58 - 133)**			**SW846 8330**
	82	**(58 - 133)**	**18**	**(0-36)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	86	(53 - 133)
	84	(53 - 133)

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.

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J090111
MS Lot-Sample #: H1J090111-003
Date Sampled...: 10/08/01
Prep Date.....: 10/15/01
Prep Batch #...: 1288098
Dilution Factor: 1

Work Order #...: ELR8W1DC-MS
ELR8W1DD-MSD
Date Received..: 10/09/01
Analysis Date..: 10/17/01

Matrix.....: WATER

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	ND	3.00	2.58	ug/L	86		SW846 8330
	ND	3.00	2.37	ug/L	79	8.4	SW846 8330
RDX	ND	3.00	3.80	ug/L	127		SW846 8330
	ND	3.00	3.59	ug/L	120	5.6	SW846 8330
1,3,5-Trinitrobenzene	ND	3.00	2.78	ug/L	92		SW846 8330
	ND	3.00	2.72	ug/L	91	2.0	SW846 8330
1,3-Dinitrobenzene	ND	3.00	2.75	ug/L	92		SW846 8330
	ND	3.00	2.62	ug/L	87	5.0	SW846 8330
Tetryl	ND	3.00	2.39	ug/L	80		SW846 8330
	ND	3.00	2.28	ug/L	76	4.9	SW846 8330
Nitrobenzene	ND	3.00	2.43	ug/L	81		SW846 8330
	ND	3.00	2.29	ug/L	76	6.0	SW846 8330
2,4,6-Trinitrotoluene	1.6	3.00	11.8	ug/L	341 a		SW846 8330
	1.6	3.00	6.70	ug/L	171	55	SW846 8330
	Qualifiers: a,p						
4-Amino-2,6-dinitrotoluene	ND	3.00	3.24	ug/L	108		SW846 8330
	ND	3.00	2.96	ug/L	99	9.2	SW846 8330
2-Amino-4,6-dinitrotoluene	ND	3.00	3.54	ug/L	118		SW846 8330
	ND	3.00	3.40	ug/L	113	3.9	SW846 8330
2,6-Dinitrotoluene	ND	3.00	8.90	ug/L	297 a		SW846 8330
	ND	3.00	8.82	ug/L	294 a	0.96	SW846 8330
2,4-Dinitrotoluene	ND	3.00	2.88	ug/L	96		SW846 8330
	ND	3.00	2.87	ug/L	96	0.28	SW846 8330
2-Nitrotoluene	ND	3.00	3.42	ug/L	114		SW846 8330
	ND	3.00	3.10	ug/L	103	9.8	SW846 8330
4-Nitrotoluene	ND	3.00	2.70	ug/L	90		SW846 8330
	ND	3.00	2.78	ug/L	93	2.7	SW846 8330
3-Nitrotoluene	ND	3.00	2.22	ug/L	74		SW846 8330
	ND	3.00	2.34	ug/L	78	5.6	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	94	(53 - 133)
	110	(53 - 133)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J090111 **Work Order #...:** ELR8W1DC-MS **Matrix.....:** WATER
MS Lot-Sample #: H1J090111-003 ELR8W1DD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS

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.

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: H1J090111 **Work Order #...:** ELR8W1DC-MS **Matrix.....:** WATER
MS Lot-Sample #: H1J090111-003 ELR8W1DD-MSD
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01
Prep Date.....: 10/15/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	86	(61 - 132)			SW846 8330
	79	(61 - 132)	8.4	(0-40)	SW846 8330
RDX	127	(30 - 191)			SW846 8330
	120	(30 - 191)	5.6	(0-35)	SW846 8330
1,3,5-Trinitrobenzene	92	(70 - 124)			SW846 8330
	91	(70 - 124)	2.0	(0-33)	SW846 8330
1,3-Dinitrobenzene	92	(72 - 130)			SW846 8330
	87	(72 - 130)	5.0	(0-42)	SW846 8330
Tetryl	80	(55 - 125)			SW846 8330
	76	(55 - 125)	4.9	(0-37)	SW846 8330
Nitrobenzene	81	(59 - 136)			SW846 8330
	76	(59 - 136)	6.0	(0-36)	SW846 8330
2,4,6-Trinitrotoluene	341 a	(71 - 123)			SW846 8330
	171 a,p	(71 - 123)	55	(0-34)	SW846 8330
4-Amino-2,6-dinitrotoluene	108	(66 - 124)			SW846 8330
	99	(66 - 124)	9.2	(0-43)	SW846 8330
2-Amino-4,6-dinitrotoluene	118	(64 - 134)			SW846 8330
	113	(64 - 134)	3.9	(0-34)	SW846 8330
2,6-Dinitrotoluene	297 a	(66 - 136)			SW846 8330
	294 a	(66 - 136)	0.96	(0-32)	SW846 8330
2,4-Dinitrotoluene	96	(70 - 133)			SW846 8330
	96	(70 - 133)	0.28	(0-36)	SW846 8330
2-Nitrotoluene	114	(54 - 136)			SW846 8330
	103	(54 - 136)	9.8	(0-38)	SW846 8330
4-Nitrotoluene	90	(59 - 131)			SW846 8330
	93	(59 - 131)	2.7	(0-33)	SW846 8330
3-Nitrotoluene	74	(58 - 133)			SW846 8330
	78	(58 - 133)	5.6	(0-36)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	94	(53 - 133)
	110	(53 - 133)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: H1J090111 **Work Order #...:** ELR8W1DC-MS **Matrix.....:** WATER
MS Lot-Sample #: H1J090111-003 ELR8W1DD-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS

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.

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J090111 **Work Order #...:** EL5K71AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J150000-098 EL5K71AD-LCSD
Prep Date.....: 10/15/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	**3.00**	**3.27**	**ug/L**	**109**		**SW846 8330**
	3.00	**3.09**	**ug/L**	**103**	**5.8**	**SW846 8330**
RDX	**3.00**	**3.40**	**ug/L**	**113**		**SW846 8330**
	3.00	**3.27**	**ug/L**	**109**	**3.8**	**SW846 8330**
1,3,5-Trinitrobenzene	**3.00**	**3.31**	**ug/L**	**110**		**SW846 8330**
	3.00	**3.24**	**ug/L**	**108**	**2.3**	**SW846 8330**
1,3-Dinitrobenzene	**3.00**	**3.14**	**ug/L**	**105**		**SW846 8330**
	3.00	**3.05**	**ug/L**	**102**	**3.0**	**SW846 8330**
Tetryl	**3.00**	**3.31**	**ug/L**	**110**		**SW846 8330**
	3.00	**3.24**	**ug/L**	**108**	**2.3**	**SW846 8330**
Nitrobenzene	**3.00**	**2.74**	**ug/L**	**91**		**SW846 8330**
	3.00	**2.54**	**ug/L**	**85**	**7.6**	**SW846 8330**
2,4,6-Trinitrotoluene	**3.00**	**3.21**	**ug/L**	**107**		**SW846 8330**
	3.00	**3.13**	**ug/L**	**104**	**2.5**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**3.00**	**2.48**	**ug/L**	**83**		**SW846 8330**
	3.00	**2.58**	**ug/L**	**86**	**4.0**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**3.00**	**2.87**	**ug/L**	**96**		**SW846 8330**
	3.00	**2.99**	**ug/L**	**100**	**4.1**	**SW846 8330**
2,6-Dinitrotoluene	**3.00**	**3.23**	**ug/L**	**108**		**SW846 8330**
	3.00	**3.27**	**ug/L**	**109**	**1.1**	**SW846 8330**
2,4-Dinitrotoluene	**3.00**	**3.09**	**ug/L**	**103**		**SW846 8330**
	3.00	**3.01**	**ug/L**	**100**	**2.5**	**SW846 8330**
2-Nitrotoluene	**3.00**	**2.47**	**ug/L**	**82**		**SW846 8330**
	3.00	**2.26**	**ug/L**	**75**	**9.0**	**SW846 8330**
4-Nitrotoluene	**3.00**	**2.56**	**ug/L**	**85**		**SW846 8330**
	3.00	**2.50**	**ug/L**	**83**	**2.2**	**SW846 8330**
3-Nitrotoluene	**3.00**	**2.54**	**ug/L**	**85**		**SW846 8330**
	3.00	**2.46**	**ug/L**	**82**	**3.4**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	80	(53 - 133)
	85	(53 - 133)

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 #...: H1J090111 **Work Order #...:** EL5K71AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J150000-098 EL5K71AD-LCSD
Prep Date.....: 10/15/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**109**	**(68 - 122)**			**SW846 8330**
	103	**(68 - 122)**	**5.8**	**(0-25)**	**SW846 8330**
RDX	**113**	**(71 - 127)**			**SW846 8330**
	109	**(71 - 127)**	**3.8**	**(0-26)**	**SW846 8330**
1,3,5-Trinitrobenzene	**110**	**(70 - 124)**			**SW846 8330**
	108	**(70 - 124)**	**2.3**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**105**	**(72 - 124)**			**SW846 8330**
	102	**(72 - 124)**	**3.0**	**(0-25)**	**SW846 8330**
Tetryl	**110**	**(68 - 123)**			**SW846 8330**
	108	**(68 - 123)**	**2.3**	**(0-26)**	**SW846 8330**
Nitrobenzene	**91**	**(60 - 122)**			**SW846 8330**
	85	**(60 - 122)**	**7.6**	**(0-26)**	**SW846 8330**
2,4,6-Trinitrotoluene	**107**	**(71 - 123)**			**SW846 8330**
	104	**(71 - 123)**	**2.5**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**83**	**(66 - 122)**			**SW846 8330**
	86	**(66 - 122)**	**4.0**	**(0-26)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**96**	**(65 - 124)**			**SW846 8330**
	100	**(65 - 124)**	**4.1**	**(0-26)**	**SW846 8330**
2,6-Dinitrotoluene	**108**	**(66 - 129)**			**SW846 8330**
	109	**(66 - 129)**	**1.1**	**(0-26)**	**SW846 8330**
2,4-Dinitrotoluene	**103**	**(70 - 125)**			**SW846 8330**
	100	**(70 - 125)**	**2.5**	**(0-26)**	**SW846 8330**
2-Nitrotoluene	**82**	**(54 - 121)**			**SW846 8330**
	75	**(54 - 121)**	**9.0**	**(0-27)**	**SW846 8330**
4-Nitrotoluene	**85**	**(59 - 123)**			**SW846 8330**
	83	**(59 - 123)**	**2.2**	**(0-27)**	**SW846 8330**
3-Nitrotoluene	**85**	**(58 - 124)**			**SW846 8330**
	82	**(58 - 124)**	**3.4**	**(0-27)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	80	(53 - 133)
	85	(53 - 133)

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: BD3038

TOTAL Metals

Lot-Sample #...: H1J090111-001 Matrix.....: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283306						
Aluminum	16900 J	200	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AA
		Dilution Factor: 1		Analysis Time..: 13:36		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AC
		Dilution Factor: 1		Analysis Time..: 13:36		
Arsenic	22.7	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AD
		Dilution Factor: 1		Analysis Time..: 13:36		
Barium	1500	200	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AE
		Dilution Factor: 1		Analysis Time..: 13:36		
Beryllium	1.5 B	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AF
		Dilution Factor: 1		Analysis Time..: 13:36		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AG
		Dilution Factor: 1		Analysis Time..: 13:36		
Calcium	217000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AH
		Dilution Factor: 1		Analysis Time..: 13:36		
Chromium	32.3	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AJ
		Dilution Factor: 1		Analysis Time..: 13:36		
Cobalt	18.7 B	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AK
		Dilution Factor: 1		Analysis Time..: 13:36		
Copper	99.2	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AL
		Dilution Factor: 1		Analysis Time..: 13:36		
Iron	35000	100	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AM
		Dilution Factor: 1		Analysis Time..: 13:36		
Lead	15.7	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AN
		Dilution Factor: 1		Analysis Time..: 13:36		
Magnesium	72500	5000	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AP
		Dilution Factor: 1		Analysis Time..: 13:36		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3038

TOTAL Metals

Lot-Sample #...: H1J090111-001 Matrix..... WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	1140	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AQ
		Dilution Factor: 1		Analysis Time..: 13:36		
Nickel	71.2	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AR
		Dilution Factor: 1		Analysis Time..: 13:36		
Potassium	121000	25000	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AT
		Dilution Factor: 5		Analysis Time..: 16:49		
Selenium	14.4	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AU
		Dilution Factor: 1		Analysis Time..: 13:36		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AV
		Dilution Factor: 1		Analysis Time..: 13:36		
Sodium	605000	25000	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AW
		Dilution Factor: 5		Analysis Time..: 16:49		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1AX
		Dilution Factor: 1		Analysis Time..: 13:36		
Vanadium	48.6 B	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1A0
		Dilution Factor: 1		Analysis Time..: 13:36		
Zinc	184	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8A1A1
		Dilution Factor: 1		Analysis Time..: 13:36		
Prep Batch #...: 1283444						
Mercury	0.000079 B	0.00020	mg/L	SW846 7470A	10/14/01	ELR8A1A2
		Dilution Factor: 1		Analysis Time..: 16:20		

NOTE(S):

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

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3027

TOTAL Metals

Lot-Sample #...: H1J090111-002 Matrix.....: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283306						
Aluminum	**353 J**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR8L1AJ**
		Dilution Factor: 1		Analysis Time..: 13:41		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8L1AK
		Dilution Factor: 1		Analysis Time..: 13:41		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8L1AL
		Dilution Factor: 1		Analysis Time..: 13:41		
Barium	**649**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR8L1AM**
		Dilution Factor: 1		Analysis Time..: 13:41		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8L1AN
		Dilution Factor: 1		Analysis Time..: 13:41		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8L1AP
		Dilution Factor: 1		Analysis Time..: 13:41		
Calcium	**122000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR8L1AQ**
		Dilution Factor: 1		Analysis Time..: 13:41		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8L1AR
		Dilution Factor: 1		Analysis Time..: 13:41		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8L1AT
		Dilution Factor: 1		Analysis Time..: 13:41		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8L1AU
		Dilution Factor: 1		Analysis Time..: 13:41		
Iron	**284**	**100**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR8L1AV**
		Dilution Factor: 1		Analysis Time..: 13:41		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8L1AW
		Dilution Factor: 1		Analysis Time..: 13:41		
Magnesium	**35900**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR8L1AX**
		Dilution Factor: 1		Analysis Time..: 13:41		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3027

TOTAL Metals

Lot-Sample #...: H1J090111-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**38.1**	**15.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR8L1A0**
		Dilution Factor: 1		Analysis Time..: 13:41		
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8L1A1
		Dilution Factor: 1		Analysis Time..: 13:41		
Potassium	**4340 B**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR8L1A2**
		Dilution Factor: 1		Analysis Time..: 13:41		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8L1A3
		Dilution Factor: 1		Analysis Time..: 13:41		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8L1A4
		Dilution Factor: 1		Analysis Time..: 13:41		
Sodium	**19300**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR8L1A5**
		Dilution Factor: 1		Analysis Time..: 13:41		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8L1A6
		Dilution Factor: 1		Analysis Time..: 13:41		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8L1AA
		Dilution Factor: 1		Analysis Time..: 13:41		
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8L1AC
		Dilution Factor: 1		Analysis Time..: 13:41		
Prep Batch #...: 1283444						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELR8L1AD
		Dilution Factor: 1		Analysis Time..: 16:22		

NOTE(S):

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

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3004

TOTAL Metals

Lot-Sample #...: H1J090111-003 Matrix.... ..: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283306						
Aluminum	1170 J	200	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1AR
		Dilution Factor: 1		Analysis Time..: 13:58		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1AT
		Dilution Factor: 1		Analysis Time..: 13:58		
Arsenic	9.1 B	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1AU
		Dilution Factor: 1		Analysis Time..: 13:58		
Barium	843	200	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1AV
		Dilution Factor: 1		Analysis Time..: 13:58		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1AW
		Dilution Factor: 1		Analysis Time..: 13:58		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1AX
		Dilution Factor: 1		Analysis Time..: 13:58		
Calcium	81800	5000	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1A0
		Dilution Factor: 1		Analysis Time..: 13:58		
Chromium	2.4 B	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1A1
		Dilution Factor: 1		Analysis Time..: 13:58		
Cobalt	5.9 B	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1A2
		Dilution Factor: 1		Analysis Time..: 13:58		
Copper	3.6 B	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1A3
		Dilution Factor: 1		Analysis Time..: 13:58		
Iron	7210	100	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1A4
		Dilution Factor: 1		Analysis Time..: 13:58		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1A5
		Dilution Factor: 1		Analysis Time..: 13:58		
Magnesium	60000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1A6
		Dilution Factor: 1		Analysis Time..: 13:58		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3004

TOTAL Metals

Lot-Sample #...: H1J090111 003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	1030	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1AA
		Dilution Factor: 1		Analysis Time..: 13:58		
Nickel	3.7 B	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1AC
		Dilution Factor: 1		Analysis Time..: 13:58		
Potassium	30100	5000	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1AD
		Dilution Factor: 1		Analysis Time..: 13:58		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1AE
		Dilution Factor: 1		Analysis Time..: 13:58		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1AF
		Dilution Factor: 1		Analysis Time..: 13:58		
Sodium	132000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1AG
		Dilution Factor: 1		Analysis Time..: 13:58		
Thallium	5.3 B	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1AH
		Dilution Factor: 1		Analysis Time..: 13:58		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1AJ
		Dilution Factor: 1		Analysis Time..: 13:58		
Zinc	10.2 B	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELR8W1AK
		Dilution Factor: 1		Analysis Time..: 13:58		
Prep Batch #...: 1283444						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELR8W1AL
		Dilution Factor: 1		Analysis Time..: 16:29		

NOTE(S):

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

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3038

DISSOLVED Metals

Lot-Sample #...: H1J090111-005 Matrix.....: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	96.7 B	200	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AA
		Dilution Factor: 1		Analysis Time..: 15:46		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AC
		Dilution Factor: 1		Analysis Time..: 15:46		
Arsenic	4.9 B	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AD
		Dilution Factor: 1		Analysis Time..: 15:46		
Barium	628	200	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AE
		Dilution Factor: 1		Analysis Time..: 15:46		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AF
		Dilution Factor: 1		Analysis Time..: 15:46		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AG
		Dilution Factor: 1		Analysis Time..: 15:46		
Calcium	107000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AH
		Dilution Factor: 1		Analysis Time..: 15:46		
Chromium	1.2 B	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AJ
		Dilution Factor: 1		Analysis Time..: 15:46		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AK
		Dilution Factor: 1		Analysis Time..: 15:46		
Copper	2.4 B	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AL
		Dilution Factor: 1		Analysis Time..: 15:46		
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AM
		Dilution Factor: 1		Analysis Time..: 15:46		
Lead	ND	15.0	ug/L	SW846 6010B	10/11-10/15/01	ELR9J1AN
		Dilution Factor: 5		Analysis Time..: 12:03		
Magnesium	133 B	5000	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AP
		Dilution Factor: 1		Analysis Time..: 15:46		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3038

DISSOLVED Metals

Lot-Sample #...: H1J090111-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	1.6 B	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AQ
		Dilution Factor: 1		Analysis Time..: 15:46		
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AR
		Dilution Factor: 1		Analysis Time..: 15:46		
Potassium	191000	25000	ug/L	SW846 6010B	10/11-10/15/01	ELR9J1AT
		Dilution Factor: 5		Analysis Time..: 12:03		
Selenium	20.4	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AU
		Dilution Factor: 1		Analysis Time..: 15:46		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AV
		Dilution Factor: 1		Analysis Time..: 15:46		
Sodium	428000	5000	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AW
		Dilution Factor: 1		Analysis Time..: 15:46		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1AX
		Dilution Factor: 1		Analysis Time..: 15:46		
Vanadium	8.5 B	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1A0
		Dilution Factor: 1		Analysis Time..: 15:46		
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9J1A1
		Dilution Factor: 1		Analysis Time..: 15:46		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELR9J1A2
		Dilution Factor: 1		Analysis Time..: 15:30		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3027

DISSOLVED Metals

Lot-Sample #...: H1J090111-006 Matrix.....: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	**69.3 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR9M1AL**
		Dilution Factor: 1		Analysis Time..: 15:50		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9M1AP
		Dilution Factor: 1		Analysis Time..: 15:50		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9M1AT
		Dilution Factor: 1		Analysis Time..: 15:50		
Barium	**634**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR9M1AW**
		Dilution Factor: 1		Analysis Time..: 15:50		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9M1A1
		Dilution Factor: 1		Analysis Time..: 15:50		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9M1A4
		Dilution Factor: 1		Analysis Time..: 15:50		
Calcium	**117000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR9M1A7**
		Dilution Factor: 1		Analysis Time..: 15:50		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9M1CA
		Dilution Factor: 1		Analysis Time..: 15:50		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9M1CE
		Dilution Factor: 1		Analysis Time..: 15:50		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9M1CH
		Dilution Factor: 1		Analysis Time..: 15:50		
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELR9M1CL
		Dilution Factor: 1		Analysis Time..: 15:50		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9M1CP
		Dilution Factor: 1		Analysis Time..: 15:50		
Magnesium	**34700**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR9M1CT**
		Dilution Factor: 1		Analysis Time..: 15:50		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3027

DISSOLVED Metals

Lot-Sample #...: H1J090111-006 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**34.3**	**15.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR9M1CW**
		Dilution Factor: 1		Analysis Time..: 15:50		
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9M1C1
		Dilution Factor: 1		Analysis Time..: 15:50		
Potassium	**4080 B**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR9M1C4**
		Dilution Factor: 1		Analysis Time..: 15:50		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9M1C7
		Dilution Factor: 1		Analysis Time..: 15:50		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9M1DA
		Dilution Factor: 1		Analysis Time..: 15:50		
Sodium	**18700**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR9M1DE**
		Dilution Factor: 1		Analysis Time..: 15:50		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9M1DH
		Dilution Factor: 1		Analysis Time..: 15:50		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9M1AA
		Dilution Factor: 1		Analysis Time..: 15:50		
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELR9M1AE
		Dilution Factor: 1		Analysis Time..: 15:50		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELR9M1AH
		Dilution Factor: 1		Analysis Time..: 15:33		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3004

DISSOLVED Metals

Lot-Sample #...: H1J030111-007 Matrix.....: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1283300						
Aluminum	75.6 B	200	ug/L	SW846 6010B	10/11-10/12/01	ELR911AW
		Dilution Factor: 1		Analysis Time..: 16:17		
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELR911A1
		Dilution Factor: 1		Analysis Time..: 16:17		
Arsenic	3.7 B	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR911A4
		Dilution Factor: 1		Analysis Time..: 16:17		
Barium	724	200	ug/L	SW846 6010B	10/11-10/12/01	ELR911A7
		Dilution Factor: 1		Analysis Time..: 16:17		
Beryllium	0.56 B	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR911AA
		Dilution Factor: 1		Analysis Time..: 16:17		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR911AE
		Dilution Factor: 1		Analysis Time..: 16:17		
Calcium	59300	5000	ug/L	SW846 6010B	10/11-10/12/01	ELR911AH
		Dilution Factor: 1		Analysis Time..: 16:17		
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR911CL
		Dilution Factor: 1		Analysis Time..: 16:17		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELR911CP
		Dilution Factor: 1		Analysis Time..: 16:17		
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELR911CT
		Dilution Factor: 1		Analysis Time..: 16:17		
Iron	1300	100	ug/L	SW846 6010B	10/11-10/12/01	ELR911CW
		Dilution Factor: 1		Analysis Time..: 16:17		
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELR911C1
		Dilution Factor: 1		Analysis Time..: 16:17		
Magnesium	54600	5000	ug/L	SW846 6010B	10/11-10/12/01	ELR911C4
		Dilution Factor: 1		Analysis Time..: 16:17		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3004

DISSOLVED Metals

Lot-Sample #...: H1J090111-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese	**946**	**15.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR911C7**
		Dilution Factor: 1		Analysis Time..: 16:17		
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELR911CA
		Dilution Factor: 1		Analysis Time..: 16:17		
Potassium	**27500**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR911CE**
		Dilution Factor: 1		Analysis Time..: 16:17		
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELR911CH
		Dilution Factor: 1		Analysis Time..: 16:17		
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR911DA
		Dilution Factor: 1		Analysis Time..: 16:17		
Sodium	**127000**	**5000**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR911DE**
		Dilution Factor: 1		Analysis Time..: 16:17		
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELR911DH
		Dilution Factor: 1		Analysis Time..: 16:17		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELR911AL
		Dilution Factor: 1		Analysis Time..: 16:17		
Zinc	**7.1 B**	**20.0**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELR911AP**
		Dilution Factor: 1		Analysis Time..: 16:17		
Prep Batch #...: 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELR911AT
		Dilution Factor: 1		Analysis Time..: 15:39		

NOTE(S):

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J100000-300 **Prep Batch #...:** 1283300						
Aluminum	ND	200	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AA
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AC
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AD
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Barium	ND	200	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AE
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AF
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AG
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Calcium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AH
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AJ
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AK
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AL
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AM
		Dilution Factor: 1				
		Analysis Time..: 12:07				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AN
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Magnesium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AP
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Manganese	ND	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AQ
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AR
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Potassium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AT
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AU
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AV
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Sodium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AW
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AX
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1AC
		Dilution Factor: 1				
		Analysis Time..: 12:07				
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELWHC1A1
		Dilution Factor: 1				
		Analysis Time..: 12:07				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J100000-449 **Prep Batch #...:** 1283449						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELW7T1AA
		Dilution Factor: 1				
		Analysis Time..: 14:49				

NOTE(S):

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J090111 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J100000-306 Prep Batch #...: 1283306						
Aluminum	**65.1 B**	**200**	**ug/L**	**SW846 6010B**	**10/11-10/12/01**	**ELWJE1AA**
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Antimony	ND	60.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AC
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AD
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Barium	ND	200	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AE
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AF
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AG
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Calcium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AH
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Chromium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AJ
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AK
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Copper	ND	25.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AL
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Iron	ND	100	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AM
		Dilution Factor: 1				
		Analysis Time..: 11:58				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J090111 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AN
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Magnesium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AP
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Manganese	ND	15.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AQ
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Nickel	ND	40.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AR
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Potassium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AT
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Selenium	ND	5.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AU
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Silver	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AV
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Sodium	ND	5000	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AW
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Thallium	ND	10.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1AX
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1A0
		Dilution Factor: 1				
		Analysis Time..: 11:58				
Zinc	ND	20.0	ug/L	SW846 6010B	10/11-10/12/01	ELWJE1A1
		Dilution Factor: 1				
		Analysis Time..: 11:58				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J100000-444 **Prep Batch #...:** 1283444						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/14/01	ELW7A1AA
		Dilution Factor: 1				
		Analysis Time..: 15:46				

NOTE(S):

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

B Estimated result. Result is less than RL.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

MS Lot-Sample #: H1J090111-002 **Prep Batch #...:** 1283306

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum									
	353	2000	2610	ug/L	113		SW846 6010B	10/11-10/12/01	ELR8L1C
	353	2000	2670	ug/L	116	2.3	SW846 6010B	10/11-10/12/01	ELR8L1C
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Antimony									
	ND	500	505	ug/L	101		SW846 6010B	10/11-10/12/01	ELR8L1C
	ND	500	513	ug/L	103	1.6	SW846 6010B	10/11-10/12/01	ELR8L1C
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Arsenic									
	ND	2000	2050	ug/L	103		SW846 6010B	10/11-10/12/01	ELR8L1C
	ND	2000	2100	ug/L	105	2.1	SW846 6010B	10/11-10/12/01	ELR8L1C
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Barium									
	649	2000	2660	ug/L	101		SW846 6010B	10/11-10/12/01	ELR8L1C
	649	2000	2730	ug/L	104	2.6	SW846 6010B	10/11-10/12/01	ELR8L1D
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Beryllium									
	ND	50.0	52.3	ug/L	105		SW846 6010B	10/11-10/12/01	ELR8L1D
	ND	50.0	53.3	ug/L	107	2.0	SW846 6010B	10/11-10/12/01	ELR8L1D
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Cadmium									
	ND	50.0	49.7	ug/L	99		SW846 6010B	10/11-10/12/01	ELR8L1D
	ND	50.0	50.7	ug/L	101	2.1	SW846 6010B	10/11-10/12/01	ELR8L1D
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Calcium									
	122000	50000	172000	ug/L	99		SW846 6010B	10/11-10/12/01	ELR8L1DG
	122000	50000	177000	ug/L	109	2.8	SW846 6010B	10/11-10/12/01	ELR8L1DH
			Dilution Factor: 1						
			Analysis Time..: 13:45						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	ND	200	199	ug/L	100		SW846 6010B	10/11-10/12/01	ELR8L1D
	ND	200	204	ug/L	102	2.3	SW846 6010B	10/11-10/12/01	ELR8L1D
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Cobalt									
	ND	500	507	ug/L	101		SW846 6010B	10/11-10/12/01	ELR8L1D
	ND	500	518	ug/L	104	2.2	SW846 6010B	10/11-10/12/01	ELR8L1D
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Copper									
	ND	250	250	ug/L	100		SW846 6010B	10/11-10/12/01	ELR8L1D
	ND	250	256	ug/L	102	2.4	SW846 6010B	10/11-10/12/01	ELR8L1D
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Iron									
	284	1000	1310	ug/L	102		SW846 6010B	10/11-10/12/01	ELR8L1D
	284	1000	1350	ug/L	107	3.2	SW846 6010B	10/11-10/12/01	ELR8L1D
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Lead									
	ND	500	502	ug/L	100		SW846 6010B	10/11-10/12/01	ELR8L1D
	ND	500	510	ug/L	102	1.5	SW846 6010B	10/11-10/12/01	ELR8L1D
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Magnesium									
	35900	50000	87600	ug/L	103		SW846 6010B	10/11-10/12/01	ELR8L1D
	35900	50000	89900	ug/L	108	2.6	SW846 6010B	10/11-10/12/01	ELR8L1D
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Manganese									
	38.1	500	553	ug/L	103		SW846 6010B	10/11-10/12/01	ELR8L1A
	38.1	500	566	ug/L	106	2.4	SW846 6010B	10/11-10/12/01	ELR8L1A
			Dilution Factor: 1						
			Analysis Time..: 13:45						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel									
	ND	500	500	ug/L	100		SW846 6010B	10/11-10/12/01	ELR8L1A
	ND	500	513	ug/L	103	2.6	SW846 6010B	10/11-10/12/01	ELR8L1C
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Potassium									
	4340	50000	55100	ug/L	102		SW846 6010B	10/11-10/12/01	ELR8L1C
	4340	50000	56400	ug/L	104	2.3	SW846 6010B	10/11-10/12/01	ELR8L1C
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Selenium									
	ND	2000	1850	ug/L	92		SW846 6010B	10/11-10/12/01	ELR8L1CE
	ND	2000	1860	ug/L	93	0.98	SW846 6010B	10/11-10/12/01	ELR8L1CF
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Silver									
	ND	50.0	50.9	ug/L	102		SW846 6010B	10/11-10/12/01	ELR8L1CG
	ND	50.0	52.0	ug/L	104	2.1	SW846 6010B	10/11-10/12/01	ELR8L1CH
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Sodium									
	19300	50000	70600	ug/L	103		SW846 6010B	10/11-10/12/01	ELR8L1CJ
	19300	50000	72400	ug/L	106	2.5	SW846 6010B	10/11-10/12/01	ELR8L1CK
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Thallium									
	ND	2000	2040	ug/L	102		SW846 6010B	10/11-10/12/01	ELR8L1CL
	ND	2000	2090	ug/L	105	2.6	SW846 6010B	10/11-10/12/01	ELR8L1CM
			Dilution Factor: 1						
			Analysis Time..: 13:45						
Vanadium									
	ND	500	508	ug/L	102		SW846 6010B	10/11-10/12/01	ELR8L1CN
	ND	500	521	ug/L	104	2.5	SW846 6010B	10/11-10/12/01	ELR8L1CP
			Dilution Factor: 1						
			Analysis Time..: 13:45						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received** - 10/09/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	500	536	ug/L	107		SW846 6010B	10/11-10/12/01	ELR8L1C
	ND	500	547	ug/L	109	2.1	SW846 6010B	10/11-10/12/01	ELR8L1C

Dilution Factor: 1
Analysis Time..: 13:45

MS Lot-Sample #: H1J090111-002 **Prep Batch #...:** 1283444

Mercury									
	ND	0.001	0.00109	mg/L	109		SW846 7470A	10/14/01	ELR8L1C
	ND	0.001	0.00112	mg/L	112	2.7	SW846 7470A	10/14/01	ELR8L1C

Dilution Factor: 1
Analysis Time..: 16:24

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

MS Lot-Sample #: H1J090111-003 **Prep Batch #...:** 1283306

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum									
	1170	2000	5850 N	ug/L	234		SW846 6010B	10/11-10/12/01	ELR8W1D
	1170	2000	5940 N	ug/L	238	1.5	SW846 6010B	10/11-10/12/01	ELR8W1D
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Antimony									
	ND	500	496	ug/L	99		SW846 6010B	10/11-10/12/01	ELR8W1D
	ND	500	504	ug/L	101	1.5	SW846 6010B	10/11-10/12/01	ELR8W1D
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Arsenic									
	9.1	2000	2040	ug/L	101		SW846 6010B	10/11-10/12/01	ELR8W1D
	9.1	2000	2080	ug/L	104	2.0	SW846 6010B	10/11-10/12/01	ELR8W1D
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Barium									
	843	2000	2790	ug/L	97		SW846 6010B	10/11-10/12/01	ELR8W1D
	843	2000	2830	ug/L	100	1.6	SW846 6010B	10/11-10/12/01	ELR8W1D
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Beryllium									
	ND	50.0	51.1	ug/L	102		SW846 6010B	10/11-10/12/01	ELR8W1D
	ND	50.0	52.2	ug/L	104	2.0	SW846 6010B	10/11-10/12/01	ELR8W1D
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Cadmium									
	ND	50.0	48.8	ug/L	98		SW846 6010B	10/11-10/12/01	ELR8W1D
	ND	50.0	49.8	ug/L	100	2.1	SW846 6010B	10/11-10/12/01	ELR8W1D
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Calcium									
	81800	50000	128000	ug/L	92		SW846 6010B	10/11-10/12/01	ELR8W1A
	81800	50000	129000	ug/L	95	1.1	SW846 6010B	10/11-10/12/01	ELR8W1A
			Dilution Factor: 1						
			Analysis Time..: 14:03						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	2.4	200	198	ug/L	98		SW846 6010B	10/11-10/12/01	ELR8W1A9
	2.4	200	202	ug/L	100	1.9	SW846 6010B	10/11-10/12/01	ELR8W1CA
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Cobalt									
	5.9	500	501	ug/L	99		SW846 6010B	10/11-10/12/01	ELR8W1CC
	5.9	500	511	ug/L	101	2.0	SW846 6010B	10/11-10/12/01	ELR8W1CD
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Copper									
	3.6	250	250	ug/L	99		SW846 6010B	10/11-10/12/01	ELR8W1CE
	3.6	250	256	ug/L	101	2.3	SW846 6010B	10/11-10/12/01	ELR8W1CF
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Iron									
	7210	1000	8390	ug/L			SW846 6010B	10/11-10/12/01	ELR8W1CG
			Qualifiers: NC,MSB						
	7210	1000	8460	ug/L			SW846 6010B	10/11-10/12/01	ELR8W1CH
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Lead									
	ND	500	493	ug/L	99		SW846 6010B	10/11-10/12/01	ELR8W1CJ
	ND	500	502	ug/L	100	1.8	SW846 6010B	10/11-10/12/01	ELR8W1CK
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Magnesium									
	60000	50000	109000	ug/L	99		SW846 6010B	10/11-10/12/01	ELR8W1CL
	60000	50000	111000	ug/L	102	1.3	SW846 6010B	10/11-10/12/01	ELR8W1CM
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Manganese									
	1030	500	1490	ug/L	92		SW846 6010B	10/11-10/12/01	ELR8W1CN
	1030	500	1510	ug/L	95	1.0	SW846 6010B	10/11-10/12/01	ELR8W1CP
			Dilution Factor: 1						
			Analysis Time..: 14:03						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel									
	3.7	500	491	ug/L	97		SW846 6010B	10/11-10/12/01	ELR8W1C(
	3.7	500	500	ug/L	99	1.9	SW846 6010B	10/11-10/12/01	ELR8W1C1
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Potassium									
	30100	50000	80500	ug/L	101		SW846 6010B	10/11-10/12/01	ELR8W1C:
	30100	50000	81600	ug/L	103	1.4	SW846 6010B	10/11-10/12/01	ELR8W1C(
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Selenium									
	ND	2000	1740	ug/L	87		SW846 6010B	10/11-10/12/01	ELR8W1C\
	ND	2000	1780	ug/L	89	2.6	SW846 6010B	10/11-10/12/01	ELR8W1C\
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Silver									
	ND	50.0	49.9	ug/L	100		SW846 6010B	10/11-10/12/01	ELR8W1C2
	ND	50.0	51.0	ug/L	102	2.1	SW846 6010B	10/11-10/12/01	ELR8W1C(
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Sodium									
	132000	50000	182000	ug/L	99		SW846 6010B	10/11-10/12/01	ELR8W1C1
	132000	50000	183000	ug/L	102	0.83	SW846 6010B	10/11-10/12/01	ELR8W1C2
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Thallium									
	5.3	2000	2010	ug/L	100		SW846 6010B	10/11-10/12/01	ELR8W1C3
	5.3	2000	2050	ug/L	102	2.2	SW846 6010B	10/11-10/12/01	ELR8W1C4
			Dilution Factor: 1						
			Analysis Time..: 14:03						
Vanadium									
	ND	500	499	ug/L	100		SW846 6010B	10/11-10/12/01	ELR8W1C5
	ND	500	509	ug/L	102	2.2	SW846 6010B	10/11-10/12/01	ELR8W1C6
			Dilution Factor: 1						
			Analysis Time..: 14:03						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	10.2	500	536	ug/L	105		SW846 6010B	10/11-10/12/01	ELR8W1C
	10.2	500	546	ug/L	107	1.9	SW846 6010B	10/11-10/12/01	ELR8W1C

Dilution Factor: 1
Analysis Time..: 14:03

MS Lot-Sample #: H1J090111-003 **Prep Batch #...:** 1283444

Mercury									
	ND	0.001	0.00114	mg/L	114		SW846 7470A	10/14/01	ELR8W1C
	ND	0.001	0.00113	mg/L	113	0.88	SW846 7470A	10/14/01	ELR8W1D

Dilution Factor: 1
Analysis Time..: 16:30

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H1J090111-006 **Prep Batch #...:** 1283300									
Aluminum									
	69.3	2000	2040	ug/L	98		SW846 6010B	10/11-10/12/01	ELR9M1A
	69.3	2000	2020	ug/L	98	0.67	SW846 6010B	10/11-10/12/01	ELR9M1A
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Antimony									
	ND	500	490	ug/L	98		SW846 6010B	10/11-10/12/01	ELR9M1A
	ND	500	487	ug/L	97	0.68	SW846 6010B	10/11-10/12/01	ELR9M1A
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Arsenic									
	ND	2000	2000	ug/L	100		SW846 6010B	10/11-10/12/01	ELR9M1A
	ND	2000	1990	ug/L	99	0.35	SW846 6010B	10/11-10/12/01	ELR9M1A
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Barium									
	634	2000	2600	ug/L	99		SW846 6010B	10/11-10/12/01	ELR9M1A
	634	2000	2570	ug/L	97	1.2	SW846 6010B	10/11-10/12/01	ELR9M1A
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Beryllium									
	ND	50.0	50.6	ug/L	101		SW846 6010B	10/11-10/12/01	ELR9M1A
	ND	50.0	50.2	ug/L	100	0.75	SW846 6010B	10/11-10/12/01	ELR9M1A
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Cadmium									
	ND	50.0	48.5	ug/L	97		SW846 6010B	10/11-10/12/01	ELR9M1A
	ND	50.0	48.0	ug/L	96	0.95	SW846 6010B	10/11-10/12/01	ELR9M1A
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Calcium									
	117000	50000	165000	ug/L	96		SW846 6010B	10/11-10/12/01	ELR9M1A
	117000	50000	162000	ug/L	91	1.5	SW846 6010B	10/11-10/12/01	ELR9M1A
			Dilution Factor: 1						
			Analysis Time..: 15:55						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	ND	200	190	ug/L	95		SW846 6010B	10/11-10/12/01	ELR9M1C
	ND	200	188	ug/L	94	1.4	SW846 6010B	10/11-10/12/01	ELR9M1C
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Cobalt									
	ND	500	490	ug/L	98		SW846 6010B	10/11-10/12/01	ELR9M1C
	ND	500	487	ug/L	97	0.55	SW846 6010B	10/11-10/12/01	ELR9M1C
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Copper									
	ND	250	239	ug/L	95		SW846 6010B	10/11-10/12/01	ELR9M1C
	ND	250	236	ug/L	94	1.2	SW846 6010B	10/11-10/12/01	ELR9M1C
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Iron									
	ND	1000	975	ug/L	97		SW846 6010B	10/11-10/12/01	ELR9M1C
	ND	1000	972	ug/L	97	0.25	SW846 6010B	10/11-10/12/01	ELR9M1C
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Lead									
	ND	500	485	ug/L	97		SW846 6010B	10/11-10/12/01	ELR9M1C
	ND	500	483	ug/L	97	0.36	SW846 6010B	10/11-10/12/01	ELR9M1C
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Magnesium									
	34700	50000	85200	ug/L	101		SW846 6010B	10/11-10/12/01	ELR9M1C
	34700	50000	84300	ug/L	99	1.0	SW846 6010B	10/11-10/12/01	ELR9M1C
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Manganese									
	34.3	500	528	ug/L	99		SW846 6010B	10/11-10/12/01	ELR9M1C
	34.3	500	523	ug/L	98	0.94	SW846 6010B	10/11-10/12/01	ELR9M1C
			Dilution Factor: 1						
			Analysis Time..: 15:55						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 Matrix.....: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel									
	ND	500	487	ug/L	97		SW846 6010B	10/11-10/12/01	ELR9M1C2
	ND	500	483	ug/L	97	0.69	SW846 6010B	10/11-10/12/01	ELR9M1C3
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Potassium									
	4080	50000	53000	ug/L	98		SW846 6010B	10/11-10/12/01	ELR9M1C5
	4080	50000	52600	ug/L	97	0.64	SW846 6010B	10/11-10/12/01	ELR9M1C6
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Selenium									
	ND	2000	1750	ug/L	87		SW846 6010B	10/11-10/12/01	ELR9M1C8
	ND	2000	1650	ug/L	82	5.7	SW846 6010B	10/11-10/12/01	ELR9M1C9
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Silver									
	ND	50.0	49.4	ug/L	99		SW846 6010B	10/11-10/12/01	ELR9M1DC
	ND	50.0	48.3	ug/L	97	2.1	SW846 6010B	10/11-10/12/01	ELR9M1DD
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Sodium									
	18700	50000	68600	ug/L	100		SW846 6010B	10/11-10/12/01	ELR9M1DF
	18700	50000	67600	ug/L	98	1.4	SW846 6010B	10/11-10/12/01	ELR9M1DG
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Thallium									
	ND	2000	1980	ug/L	99		SW846 6010B	10/11-10/12/01	ELR9M1DJ
	ND	2000	1980	ug/L	99	0.36	SW846 6010B	10/11-10/12/01	ELR9M1DK
			Dilution Factor: 1						
			Analysis Time..: 15:55						
Vanadium									
	ND	500	489	ug/L	98		SW846 6010B	10/11-10/12/01	ELR9M1AC
	ND	500	486	ug/L	97	0.68	SW846 6010B	10/11-10/12/01	ELR9M1AI
			Dilution Factor: 1						
			Analysis Time..: 15:55						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	ND	500	520	ug/L	104		SW846 6010B	10/11-10/12/01	ELR9M1AI
	ND	500	517	ug/L	103	0.42	SW846 6010B	10/11-10/12/01	ELR9M1A(

Dilution Factor: 1
Analysis Time..: 15:55

MS Lot-Sample #: H1J090111-006 **Prep Batch #...:** 1283449

Mercury									
	ND	0.001	0.00112	mg/L	112		SW846 7470A	10/14/01	ELR9M1A:
	ND	0.001	0.00111	mg/L	111	0.89	SW846 7470A	10/14/01	ELR9M1A:

Dilution Factor: 1
Analysis Time..: 15:36

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received...:** 10/09/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H1J090111-007 **Prep Batch #...:** 1283300									
Aluminum									
	75.6	2000	2100	ug/L	101		SW846 6010B	10/11-10/12/01	ELR911AX
	75.6	2000	2040	ug/L	98	2.6	SW846 6010B	10/11-10/12/01	ELR911A0
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Antimony									
	ND	500	501	ug/L	100		SW846 6010B	10/11-10/12/01	ELR911A2
	ND	500	486	ug/L	97	3.0	SW846 6010B	10/11-10/12/01	ELR911A3
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Arsenic									
	3.7	2000	2050	ug/L	102		SW846 6010B	10/11-10/12/01	ELR911A5
	3.7	2000	1990	ug/L	99	2.9	SW846 6010B	10/11-10/12/01	ELR911A6
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Barium									
	724	2000	2730	ug/L	100		SW846 6010B	10/11-10/12/01	ELR911A8
	724	2000	2660	ug/L	97	2.5	SW846 6010B	10/11-10/12/01	ELR911A9
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Beryllium									
	0.56	50.0	51.5	ug/L	102		SW846 6010B	10/11-10/12/01	ELR911AC
	0.56	50.0	50.1	ug/L	99	2.8	SW846 6010B	10/11-10/12/01	ELR911AD
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Cadmium									
	ND	50.0	49.7	ug/L	99		SW846 6010B	10/11-10/12/01	ELR911AF
	ND	50.0	48.2	ug/L	96	3.1	SW846 6010B	10/11-10/12/01	ELR911AG
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Calcium									
	59300	50000	109000	ug/L	99		SW846 6010B	10/11-10/12/01	ELR911AJ
	59300	50000	106000	ug/L	93	2.9	SW846 6010B	10/11-10/12/01	ELR911AK
			Dilution Factor: 1						
			Analysis Time..: 16:22						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	ND	200	195	ug/L	97		SW846 6010B	10/11-10/12/01	ELR911CM
	ND	200	188	ug/L	94	3.3	SW846 6010B	10/11-10/12/01	ELR911CN
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Cobalt									
	ND	500	502	ug/L	100		SW846 6010B	10/11-10/12/01	ELR911CQ
	ND	500	488	ug/L	98	2.8	SW846 6010B	10/11-10/12/01	ELR911CR
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Copper									
	ND	250	242	ug/L	97		SW846 6010B	10/11-10/12/01	ELR911CU
	ND	250	236	ug/L	94	2.8	SW846 6010B	10/11-10/12/01	ELR911CV
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Iron									
	1300	1000	2270	ug/L	98		SW846 6010B	10/11-10/12/01	ELR911CX
	1300	1000	2200	ug/L	90	3.4	SW846 6010B	10/11-10/12/01	ELR911CC
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Lead									
	ND	500	500	ug/L	100		SW846 6010B	10/11-10/12/01	ELR911C2
	ND	500	486	ug/L	97	2.9	SW846 6010B	10/11-10/12/01	ELR911C3
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Magnesium									
	54600	50000	107000	ug/L	105		SW846 6010B	10/11-10/12/01	ELR911C5
	54600	50000	104000	ug/L	99	2.9	SW846 6010B	10/11-10/12/01	ELR911C6
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Manganese									
	946	500	1450	ug/L	100		SW846 6010B	10/11-10/12/01	ELR911C8
	946	500	1410	ug/L	92	2.7	SW846 6010B	10/11-10/12/01	ELR911C9
			Dilution Factor: 1						
			Analysis Time..: 16:22						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel									
	ND	500	497	ug/L	99		SW846 6010B	10/11-10/12/01	ELR911C(
	ND	500	482	ug/L	96	3.0	SW846 6010B	10/11-10/12/01	ELR911CI
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Potassium									
	27500	50000	78000	ug/L	101		SW846 6010B	10/11-10/12/01	ELR911CI
	27500	50000	76000	ug/L	97	2.6	SW846 6010B	10/11-10/12/01	ELR911C(
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Selenium									
	ND	2000	2030	ug/L	102		SW846 6010B	10/11-10/12/01	ELR911C(
	ND	2000	1960	ug/L	98	3.6	SW846 6010B	10/11-10/12/01	ELR911CI
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Silver									
	ND	50.0	50.9	ug/L	102		SW846 6010B	10/11-10/12/01	ELR911D(
	ND	50.0	48.8	ug/L	98	4.2	SW846 6010B	10/11-10/12/01	ELR911DI
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Sodium									
	127000	50000	181000	ug/L	107		SW846 6010B	10/11-10/12/01	ELR911DI
	127000	50000	176000	ug/L	98	2.5	SW846 6010B	10/11-10/12/01	ELR911D(
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Thallium									
	ND	2000	2040	ug/L	102		SW846 6010B	10/11-10/12/01	ELR911D(
	ND	2000	1990	ug/L	99	2.4	SW846 6010B	10/11-10/12/01	ELR911DI
			Dilution Factor: 1						
			Analysis Time..: 16:22						
Vanadium									
	ND	500	499	ug/L	100		SW846 6010B	10/11-10/12/01	ELR911AI
	ND	500	486	ug/L	97	2.6	SW846 6010B	10/11-10/12/01	ELR911AI
			Dilution Factor: 1						
			Analysis Time..: 16:22						

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MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	7.1	500	538	ug/L	106		SW846 6010B	10/11-10/12/01	ELR911A
	7.1	500	524	ug/L	103	2.6	SW846 6010B	10/11-10/12/01	ELR911A

Dilution Factor: 1
Analysis Time..: 16:22

MS Lot-Sample #: H1J090111-007 **Prep Batch #...:** 1283449

Mercury									
	ND	0.001	0.00116	mg/L	116		SW846 7470A	10/14/01	ELR911A
	ND	0.001	0.00111	mg/L	111	4.4	SW846 7470A	10/14/01	ELR911A

Dilution Factor: 1
Analysis Time..: 15:41

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H1J090111-002 **Prep Batch #...:** 1283306							
Aluminum	113	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1C3
	116	(75 - 125)	2.3	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1C4
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Antimony	101	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1C5
	103	(75 - 125)	1.6	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1C6
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Arsenic	103	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1C7
	105	(75 - 125)	2.1	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1C8
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Barium	101	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1C9
	104	(75 - 125)	2.6	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1DA
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Beryllium	105	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1DC
	107	(75 - 125)	2.0	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1DD
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Cadmium	99	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1DE
	101	(75 - 125)	2.1	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1DF
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Calcium	99	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1DG
	109	(75 - 125)	2.8	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1DH
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Chromium	100	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1DJ
	102	(75 - 125)	2.3	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1DK
		Dilution Factor: 1					
		Analysis Time..: 13:45					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	101	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1DL
	104	(75 - 125)	2.2	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1DM
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Copper	100	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1DN
	102	(75 - 125)	2.4	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1DP
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Iron	102	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1DQ
	107	(75 - 125)	3.2	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1DR
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Lead	100	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1DT
	102	(75 - 125)	1.5	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1DU
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Magnesium	103	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1DV
	108	(75 - 125)	2.6	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1DW
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Manganese	103	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1A7
	106	(75 - 125)	2.4	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1A8
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Nickel	100	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1A9
	103	(75 - 125)	2.6	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1CA
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Potassium	102	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1CC
	104	(75 - 125)	2.3	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1CD
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Selenium	92	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1CE
	93	(75 - 125)	0.98	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1CF
		Dilution Factor: 1					
		Analysis Time..: 13:45					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	102	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1CG
	104	(75 - 125)	2.1	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1CH
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Sodium	103	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1CJ
	106	(75 - 125)	2.5	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1CK
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Thallium	102	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1CL
	105	(75 - 125)	2.6	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1CM
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Vanadium	102	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1CN
	104	(75 - 125)	2.5	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1CP
		Dilution Factor: 1					
		Analysis Time..: 13:45					
Zinc	107	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8L1CQ
	109	(75 - 125)	2.1	(0-20)	SW846 6010B	10/11-10/12/01	ELR8L1CR
		Dilution Factor: 1					
		Analysis Time..: 13:45					

MS Lot-Sample #: H1J090111-002 **Prep Batch #...:** 1283444

Mercury	109	(73 - 125)			SW846 7470A	10/14/01	ELR8L1CT
	112	(73 - 125)	2.7	(0-20)	SW846 7470A	10/14/01	ELR8L1CU
		Dilution Factor: 1					
		Analysis Time..: 16:24					

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H1J090111-003 **Prep Batch #...:** 1283306							
Aluminum	234 N	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1DJ
	238 N	(75 - 125)	1.5	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1DK
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Antimony	99	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1DL
	101	(75 - 125)	1.5	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1DM
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Arsenic	101	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1DN
	104	(75 - 125)	2.0	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1DP
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Barium	97	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1DQ
	100	(75 - 125)	1.6	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1DR
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Beryllium	102	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1DT
	104	(75 - 125)	2.0	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1DU
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Cadmium	98	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1DV
	100	(75 - 125)	2.1	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1DW
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Calcium	92	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1A7
	95	(75 - 125)	1.1	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1A8
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Chromium	98	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1A9
	100	(75 - 125)	1.9	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1CA
		Dilution Factor: 1					
		Analysis Time..: 14:03					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J090111 Matrix.....: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	99	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1CC
	101	(75 - 125)	2.0	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1CD
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Copper	99	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1CE
	101	(75 - 125)	2.3	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1CF
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Iron	NC,MSB	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1CG
	NC,MSB	(75 - 125)		(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1CH
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Lead	99	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1CJ
	100	(75 - 125)	1.8	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1CK
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Magnesium	99	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1CL
	102	(75 - 125)	1.3	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1CM
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Manganese	92	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1CN
	95	(75 - 125)	1.0	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1CP
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Nickel	97	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1CQ
	99	(75 - 125)	1.9	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1CR
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Potassium	101	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1CT
	103	(75 - 125)	1.4	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1CU
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Selenium	87	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1CV
	89	(75 - 125)	2.6	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1CW
		Dilution Factor: 1					
		Analysis Time..: 14:03					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	100	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1CX
	102	(75 - 125)	2.1	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1C0
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Sodium	99	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1C1
	102	(75 - 125)	0.83	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1C2
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Thallium	100	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1C3
	102	(75 - 125)	2.2	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1C4
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Vanadium	100	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1C5
	102	(75 - 125)	2.2	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1C6
		Dilution Factor: 1					
		Analysis Time..: 14:03					
Zinc	105	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR8W1C7
	107	(75 - 125)	1.9	(0-20)	SW846 6010B	10/11-10/12/01	ELR8W1C8
		Dilution Factor: 1					
		Analysis Time..: 14:03					

MS Lot-Sample #: H1J090111-003 **Prep Batch #...:** 1283444

Mercury	114	(73 - 125)			SW846 7470A	10/14/01	ELR8W1C9
	113	(73 - 125)	0.88	(0-20)	SW846 7470A	10/14/01	ELR8W1DA
		Dilution Factor: 1					
		Analysis Time..: 16:30					

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H1J090111-006 **Prep Batch #...:** 1283300							
Aluminum	98	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1AM
	98	(75 - 125)	0.67	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1AN
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Antimony	98	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1AQ
	97	(75 - 125)	0.68	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1AR
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Arsenic	100	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1AU
	99	(75 - 125)	0.35	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1AV
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Barium	99	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1AX
	97	(75 - 125)	1.2	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1A0
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Beryllium	101	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1A2
	100	(75 - 125)	0.75	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1A3
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Cadmium	97	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1A5
	96	(75 - 125)	0.95	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1A6
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Calcium	96	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1A8
	91	(75 - 125)	1.5	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1A9
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Chromium	95	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1CC
	94	(75 - 125)	1.4	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1CD
		Dilution Factor: 1					
		Analysis Time..: 15:55					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	98	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1CF
	97	(75 - 125)	0.55	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1CG
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Copper	95	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1CJ
	94	(75 - 125)	1.2	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1CK
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Iron	97	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1CM
	97	(75 - 125)	0.25	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1CN
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Lead	97	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1CQ
	97	(75 - 125)	0.36	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1CR
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Magnesium	101	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1CU
	99	(75 - 125)	1.0	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1CV
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Manganese	99	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1CX
	98	(75 - 125)	0.94	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1C0
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Nickel	97	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1C2
	97	(75 - 125)	0.69	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1C3
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Potassium	98	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1C5
	97	(75 - 125)	0.64	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1C6
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Selenium	87	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1C8
	82	(75 - 125)	5.7	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1C9
		Dilution Factor: 1					
		Analysis Time..: 15:55					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	99	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1DC
	97	(75 - 125)	2.1	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1DD
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Sodium	100	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1DF
	98	(75 - 125)	1.4	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1DG
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Thallium	99	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1DJ
	99	(75 - 125)	0.36	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1DK
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Vanadium	98	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1AC
	97	(75 - 125)	0.68	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1AD
		Dilution Factor: 1					
		Analysis Time..: 15:55					
Zinc	104	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR9M1AF
	103	(75 - 125)	0.42	(0-20)	SW846 6010B	10/11-10/12/01	ELR9M1AG
		Dilution Factor: 1					
		Analysis Time..: 15:55					

MS Lot-Sample #: H1J090111-006 **Prep Batch #...:** 1283449

Mercury	112	(73 - 125)			SW846 7470A	10/14/01	ELR9M1AJ
	111	(73 - 125)	0.89	(0-20)	SW846 7470A	10/14/01	ELR9M1AK
		Dilution Factor: 1					
		Analysis Time..: 15:36					

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: H1J090111-007 **Prep Batch #...:** 1283300							
Aluminum	101	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911AX
	98	(75 - 125)	2.6	(0-20)	SW846 6010B	10/11-10/12/01	ELR911A0
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Antimony	100	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911A2
	97	(75 - 125)	3.0	(0-20)	SW846 6010B	10/11-10/12/01	ELR911A3
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Arsenic	102	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911A5
	99	(75 - 125)	2.9	(0-20)	SW846 6010B	10/11-10/12/01	ELR911A6
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Barium	100	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911A8
	97	(75 - 125)	2.5	(0-20)	SW846 6010B	10/11-10/12/01	ELR911A9
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Beryllium	102	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911AC
	99	(75 - 125)	2.8	(0-20)	SW846 6010B	10/11-10/12/01	ELR911AD
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Cadmium	99	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911AF
	96	(75 - 125)	3.1	(0-20)	SW846 6010B	10/11-10/12/01	ELR911AG
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Calcium	99	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911AJ
	93	(75 - 125)	2.9	(0-20)	SW846 6010B	10/11-10/12/01	ELR911AK
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Chromium	97	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911CM
	94	(75 - 125)	3.3	(0-20)	SW846 6010B	10/11-10/12/01	ELR911CN
		Dilution Factor: 1					
		Analysis Time..: 16:22					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	100	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911CQ
	98	(75 - 125)	2.8	(0-20)	SW846 6010B	10/11-10/12/01	ELR911CR
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Copper	97	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911CU
	94	(75 - 125)	2.8	(0-20)	SW846 6010B	10/11-10/12/01	ELR911CV
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Iron	98	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911CX
	90	(75 - 125)	3.4	(0-20)	SW846 6010B	10/11-10/12/01	ELR911C0
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Lead	100	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911C2
	97	(75 - 125)	2.9	(0-20)	SW846 6010B	10/11-10/12/01	ELR911C3
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Magnesium	105	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911C5
	99	(75 - 125)	2.9	(0-20)	SW846 6010B	10/11-10/12/01	ELR911C6
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Manganese	100	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911C8
	92	(75 - 125)	2.7	(0-20)	SW846 6010B	10/11-10/12/01	ELR911C9
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Nickel	99	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911CC
	96	(75 - 125)	3.0	(0-20)	SW846 6010B	10/11-10/12/01	ELR911CD
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Potassium	101	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911CF
	97	(75 - 125)	2.6	(0-20)	SW846 6010B	10/11-10/12/01	ELR911CG
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Selenium	102	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911CJ
	98	(75 - 125)	3.6	(0-20)	SW846 6010B	10/11-10/12/01	ELR911CK
		Dilution Factor: 1					
		Analysis Time..: 16:22					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER
Date Sampled...: 10/08/01 **Date Received..:** 10/09/01

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	102	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911DC
	98	(75 - 125)	4.2	(0-20)	SW846 6010B	10/11-10/12/01	ELR911DD
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Sodium	107	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911DF
	98	(75 - 125)	2.5	(0-20)	SW846 6010B	10/11-10/12/01	ELR911DG
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Thallium	102	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911DJ
	99	(75 - 125)	2.4	(0-20)	SW846 6010B	10/11-10/12/01	ELR911DK
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Vanadium	100	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911AM
	97	(75 - 125)	2.6	(0-20)	SW846 6010B	10/11-10/12/01	ELR911AN
		Dilution Factor: 1					
		Analysis Time..: 16:22					
Zinc	106	(75 - 125)			SW846 6010B	10/11-10/12/01	ELR911AQ
	103	(75 - 125)	2.6	(0-20)	SW846 6010B	10/11-10/12/01	ELR911AR
		Dilution Factor: 1					
		Analysis Time..: 16:22					

MS Lot-Sample #: H1J090111-007 **Prep Batch #...:** 1283449

Mercury	116	(73 - 125)			SW846 7470A	10/14/01	ELR911AU
	111	(73 - 125)	4.4	(0-20)	SW846 7470A	10/14/01	ELR911AV
		Dilution Factor: 1					
		Analysis Time..: 15:41					

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER

LCS Lot-Sample#: H1J100000-300 **Prep Batch #...:** 1283300

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Aluminum	2000	2030	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1A2
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Antimony	500	498	ug/L	100	SW846 6010B	10/11-10/12/01	ELWHC1A3
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Arsenic	2000	2030	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1A4
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Barium	2000	1990	ug/L	100	SW846 6010B	10/11-10/12/01	ELWHC1A5
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Beryllium	50.0	52.6	ug/L	105	SW846 6010B	10/11-10/12/01	ELWHC1A6
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Cadmium	50.0	50.4	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1A7
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Calcium	50000	50500	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1A8
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Chromium	200	202	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1A9
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Cobalt	500	510	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1CA
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Copper	250	247	ug/L	99	SW846 6010B	10/11-10/12/01	ELWHC1CC
			Dilution Factor: 1				
			Analysis Time..: 12:34				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	999	ug/L	100	SW846 6010B	10/11-10/12/01	ELWHC1CD
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Lead	500	504	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1CE
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Magnesium	50000	50200	ug/L	100	SW846 6010B	10/11-10/12/01	ELWHC1CF
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Manganese	500	518	ug/L	104	SW846 6010B	10/11-10/12/01	ELWHC1CG
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Nickel	500	503	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1CH
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Potassium	50000	48800	ug/L	98	SW846 6010B	10/11-10/12/01	ELWHC1CJ
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Selenium	2000	2090	ug/L	105	SW846 6010B	10/11-10/12/01	ELWHC1CK
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Silver	50.0	50.9	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1CL
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Sodium	50000	50500	ug/L	101	SW846 6010B	10/11-10/12/01	ELWHC1CM
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Thallium	2000	2040	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1CN
			Dilution Factor: 1				
			Analysis Time..: 12:34				
Vanadium	500	508	ug/L	102	SW846 6010B	10/11-10/12/01	ELWHC1CP
			Dilution Factor: 1				
			Analysis Time..: 12:34				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	532	ug/L	106	SW846 6010B	10/11-10/12/01	ELWHC1CQ
			Dilution Factor: 1				
			Analysis Time..: 12:34				

LCS Lot-Sample#: H1J100000-449 **Prep Batch #...:** 1283449

Mercury	0.00500	0.00541	mg/L	108	SW846 7470A	10/14/01	ELW7T1AC
			Dilution Factor: 1				
			Analysis Time..: 14:51				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J100000-306 **Prep Batch #...:** 1283306							
Aluminum	2000	2050	ug/L	103	SW846 6010B	10/11-10/12/01	ELWJE1A2
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Antimony	500	497	ug/L	99	SW846 6010B	10/11-10/12/01	ELWJE1A3
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Arsenic	2000	2050	ug/L	102	SW846 6010B	10/11-10/12/01	ELWJE1A4
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Barium	2000	2010	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1A5
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Beryllium	50.0	52.8	ug/L	106	SW846 6010B	10/11-10/12/01	ELWJE1A6
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Cadmium	50.0	50.6	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1A7
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Calcium	50000	50900	ug/L	102	SW846 6010B	10/11-10/12/01	ELWJE1A8
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Chromium	200	204	ug/L	102	SW846 6010B	10/11-10/12/01	ELWJE1A9
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Cobalt	500	514	ug/L	103	SW846 6010B	10/11-10/12/01	ELWJE1CA
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Copper	250	249	ug/L	100	SW846 6010B	10/11-10/12/01	ELWJE1CC
			Dilution Factor: 1				
			Analysis Time..: 12:02				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J090111 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1000	995	ug/L	100	SW846 6010B	10/11-10/12/01	ELWJE1CD
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Lead	500	505	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1CE
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Magnesium	50000	50600	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1CF
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Manganese	500	524	ug/L	105	SW846 6010B	10/11-10/12/01	ELWJE1CG
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Nickel	500	508	ug/L	102	SW846 6010B	10/11-10/12/01	ELWJE1CH
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Potassium	50000	49300	ug/L	99	SW846 6010B	10/11-10/12/01	ELWJE1CJ
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Selenium	2000	2090	ug/L	104	SW846 6010B	10/11-10/12/01	ELWJE1CK
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Silver	50.0	50.3	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1CL
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Sodium	50000	50400	ug/L	101	SW846 6010B	10/11-10/12/01	ELWJE1CM
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Thallium	2000	2070	ug/L	103	SW846 6010B	10/11-10/12/01	ELWJE1CN
			Dilution Factor: 1				
			Analysis Time..: 12:02				
Vanadium	500	513	ug/L	103	SW846 6010B	10/11-10/12/01	ELWJE1CP
			Dilution Factor: 1				
			Analysis Time..: 12:02				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	500	537	ug/L	107	SW846 6010B	10/11-10/12/01	ELWJE1CQ
			Dilution Factor: 1				
			Analysis Time..: 12:02				

LCS Lot-Sample#: H1J100000-444 **Prep Batch #...:** 1283444

Mercury	0.00500	0.00547	mg/L	109	SW846 7470A	10/14/01	ELW7A1AC
			Dilution Factor: 1				
			Analysis Time..: 15:52				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J100000-300 Prep Batch #...: 1283300					
Aluminum	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A2
Antimony	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A3
Arsenic	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A4
Barium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A5
Beryllium	105	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A6
Cadmium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A7
Calcium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A8
Chromium	101	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1A9
Cobalt	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CA
Copper	99	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CC

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CD
Lead	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CE
Magnesium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CF
Manganese	104	(90 - 111)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CG
Nickel	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CH
Potassium	98	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CJ
Selenium	105	(90 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CK
Silver	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CL
Sodium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CM
Thallium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CN
Vanadium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:34	10/11-10/12/01	ELWHC1CP

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	106	(90 - 115)	SW846 6010B	10/11-10/12/01	ELWHC1CQ
		Dilution Factor: 1			
		Analysis Time..: 12:34			

LCS Lot-Sample#: H1J100000-449 **Prep Batch #...:** 1283449

Mercury	108	(90 - 110)	SW846 7470A	10/14/01	ELW7T1AC
		Dilution Factor: 1			
		Analysis Time..: 14:51			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J090111 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J100000-306 Prep Batch #...: 1283306					
Aluminum	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A2
Antimony	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A3
Arsenic	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A4
Barium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A5
Beryllium	106	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A6
Cadmium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A7
Calcium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A8
Chromium	102	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1A9
Cobalt	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CA
Copper	100	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CC

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J090111 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CD
Lead	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CE
Magnesium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CF
Manganese	105	(90 - 111)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CG
Nickel	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CH
Potassium	99	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CJ
Selenium	104	(90 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CK
Silver	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CL
Sodium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CM
Thallium	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CN
Vanadium	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:02	10/11-10/12/01	ELWJE1CP

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J090111 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	107	(90 - 115)	SW846 6010B	10/11-10/12/01	ELWJE1CQ
		Dilution Factor: 1			
		Analysis Time..: 12:02			

LCS Lot-Sample#: H1J100000-444 **Prep Batch #...:** 1283444

Mercury	109	(90 - 110)	SW846 7470A	10/14/01	ELW7A1AC
		Dilution Factor: 1			
		Analysis Time..: 15:52			

NOTE(S):

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

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3038

General Chemistry

Lot-Sample #...: H1J090111-001 Work Order #...: ELR8A Matrix.....: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	1460	25.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 25				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/09-10/10/01	1284472
		Dilution Factor: 1				
Hardness, as CaCO3	453	25.0	mg/L	MCAWW 130.2	10/25/01	1298555
		Dilution Factor: 5				
Nitrate	0.048 B	0.10	mg/L	MCAWW 353.2	10/09/01	1306507
		Dilution Factor: 1				
Nitrate	ND	0.10	mg/L	MCAWW 353.2	11/02/01	1310417
		Dilution Factor: 1				
Sulfate	86.2	50.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 10				
Total Alkalinity	86.3 J	5.0	mg/L	MCAWW 310.1	10/09/01	1282562
		Dilution Factor: 1				
Total Dissolved Solids	2180	20.0	mg/L	MCAWW 160.1	10/14-10/15/01	1288211
		Dilution Factor: 2				
Total Organic Carbon	12.1 B	1.0	mg/L	SW846 9060	11/01/01	1305138
		Dilution Factor: 1				
Total Suspended Solids	1430	4.0	mg/L	MCAWW 160.2	10/11-10/12/01	1285278
		Dilution Factor: 1				
Turbidity	370 J	10.0	NTU	MCAWW 180.1	10/09/01	1282569
		Dilution Factor: 20				

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3027

General Chemistry

Lot-Sample #...: H1J090111-002 Work Order #...: ELR8L Matrix.....: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	43.4	1.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 1				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/17-10/18/01	1295391
		Dilution Factor: 1				
Hardness, as CaCO3	412	25.0	mg/L	MCAWW 130.2	10/25/01	1298555
		Dilution Factor: 5				
Nitrate	ND	0.10	mg/L	MCAWW 353.2	10/09/01	1306507
		Dilution Factor: 1				
Nitrate	ND	0.10	mg/L	MCAWW 353.2	11/02/01	1310417
		Dilution Factor: 1				
Sulfate	27.1	5.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1				
Total Alkalinity	410 J	5.0	mg/L	MCAWW 310.1	10/09/01	1282562
		Dilution Factor: 1				
Total Dissolved Solids	489	10.0	mg/L	MCAWW 160.1	10/14-10/15/01	1288211
		Dilution Factor: 1				
Total Organic Carbon	1.7	1.0	mg/L	SW846 9060	11/01/01	1305138
		Dilution Factor: 1				
Total Suspended Solids	9.0	4.0	mg/L	MCAWW 160.2	10/11-10/12/01	1285278
		Dilution Factor: 1				
Turbidity	129 J	2.0	NTU	MCAWW 180.1	10/09/01	1282569
		Dilution Factor: 4				

NOTE(S):

RL Reporting Limit

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3004

General Chemistry

Lot-Sample #...: H1J090111-003 Work Order #...: ELR8W Matrix.....: WATER
Date Sampled...: 10/08/01 Date Received..: 10/09/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	68.1	1.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 1				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/09-10/10/01	1284472
		Dilution Factor: 1				
Hardness, as CaCO3	360	25.0	mg/L	MCAWW 130.2	10/25/01	1298555
		Dilution Factor: 5				
Nitrate	ND	0.10	mg/L	MCAWW 353.2	10/09/01	1306507
		Dilution Factor: 1				
Nitrate	ND	0.10	mg/L	MCAWW 353.2	11/02/01	1310417
		Dilution Factor: 1				
Sulfate	31.7	5.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1				
Total Alkalinity	552 J	5.0	mg/L	MCAWW 310.1	10/09/01	1282562
		Dilution Factor: 1				
Total Dissolved Solids	716	10.0	mg/L	MCAWW 160.1	10/14-10/15/01	1288211
		Dilution Factor: 1				
Total Organic Carbon	3.1	1.0	mg/L	SW846 9060	11/01/01	1305138
		Dilution Factor: 1				
Total Suspended Solids	113	4.0	mg/L	MCAWW 160.2	10/11-10/12/01	1285278
		Dilution Factor: 1				
Turbidity	313 J	5.0	NTU	MCAWW 180.1	10/09/01	1282569
		Dilution Factor: 10				

NOTE(S):

RL Reporting Limit

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1J090111 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JP1AA		MB Lot-Sample #:	A1J140000-110	
	ND	1.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 1				
Cyanide, Total		Work Order #: EL1M91AA		MB Lot-Sample #:	H1J110000-472	
	ND	0.010	mg/L	SW846 9012A	10/09-10/10/01	1284472
		Dilution Factor: 1				
Cyanide, Total		Work Order #: EMJ3Q1AA		MB Lot-Sample #:	H1J220000-391	
	ND	0.010	mg/L	SW846 9012A	10/17-10/18/01	1295391
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: EMTN41AA		MB Lot-Sample #:	A1J250000-555	
	ND	5.0	mg/L	MCAWW 130.2	10/25/01	1298555
		Dilution Factor: 1				
Nitrate		Work Order #: ENAVF1AA		MB Lot-Sample #:	A1K020000-507	
	ND	0.10	mg/L	MCAWW 353.2	10/09/01	1306507
		Dilution Factor: 1				
Nitrate		Work Order #: ENFF91AA		MB Lot-Sample #:	A1K060000-417	
	ND	0.10	mg/L	MCAWW 353.2	11/02/01	1310417
		Dilution Factor: 1				
Sulfate		Work Order #: EL8KW1AA		MB Lot-Sample #:	A1J160000-369	
	ND	5.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1				
Total Alkalinity		Work Order #: ELVWM1AA		MB Lot-Sample #:	A1J090000-562	
	2.3 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/09/01**	**1282562**
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: EL50C1AA		MB Lot-Sample #:	A1J150000-211	
	ND	10.0	mg/L	MCAWW 160.1	10/14-10/15/01	1288211
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: EM52N1AA		MB Lot-Sample #:	A1K010000-138	
	ND	1.0	mg/L	SW846 9060	10/31/01	1305138
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: EL3K31AA		MB Lot-Sample #:	A1J120000-278	
	ND	4.0	mg/L	MCAWW 160.2	10/11-10/12/01	1285278
		Dilution Factor: 1				

(Continued on next page)

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1J090111 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Turbidity		Work Order #: ELVWP1AA		MB Lot-Sample #:	A1J090000-569	
	0.020 B	0.50	NTU	MCAWW 180.1	10/09/01	1282569
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J090111 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated			Work Order #: EL5JP1AC		LCS Lot-Sample#: A1J140000-110		
	124	129	mg/L	104	MCAWW 325.2	10/14/01	1287110
			Dilution Factor: 1				
Cyanide, Total			Work Order #: EL1M91AC		LCS Lot-Sample#: H1J110000-472		
	0.200	0.209	mg/L	104	SW846 9012A	10/09-10/10/01	1284472
			Dilution Factor: 1				
Cyanide, Total			Work Order #: EMJ3Q1AC		LCS Lot-Sample#: H1J220000-391		
	0.200	0.191	mg/L	96	SW846 9012A	10/17-10/18/01	1295391
			Dilution Factor: 1				
Hardness, as CaCO3			Work Order #: EMTN41AC		LCS Lot-Sample#: A1J250000-555		
	267	251	mg/L	94	MCAWW 130.2	10/25/01	1298555
			Dilution Factor: 1				
Nitrate			Work Order #: ENAVF1AC		LCS Lot-Sample#: A1K020000-507		
	0.500	0.491	mg/L	98	MCAWW 353.2	10/09/01	1306507
			Dilution Factor: 1				
Nitrate			Work Order #: ENFF91AC		LCS Lot-Sample#: A1K060000-417		
	0.500	0.541	mg/L	108	MCAWW 353.2	11/02/01	1310417
			Dilution Factor: 1				
Sulfate			Work Order #: EL8KW1AC		LCS Lot-Sample#: A1J160000-369		
	18.3	19.6	mg/L	107	MCAWW 375.4	10/16/01	1289369
			Dilution Factor: 1				
Total Alkalinity			Work Order #: ELVWM1AC		LCS Lot-Sample#: A1J090000-562		
	18.3	18.4	mg/L	101	MCAWW 310.1	10/09/01	1282562
			Dilution Factor: 1				
Total Dissolved Solids			Work Order #: EL50C1AC		LCS Lot-Sample#: A1J150000-211		
	281	266	mg/L	95	MCAWW 160.1	10/15/01	1288211
			Dilution Factor: 1				
Total Organic Carbon			Work Order #: EM52N1AC		LCS Lot-Sample#: A1K010000-138		
	50.4	47.9	mg/L	95	SW846 9060	10/31/01	1305138
			Dilution Factor: 1				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J090111 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids			Work Order #: EL3K31AC LCS Lot-Sample#: A1J120000-278				
	62.2	60.0	mg/L	96	MCAWW 160.2	10/11-10/12/01	1285278
			Dilution Factor: 1				
Turbidity			Work Order #: ELVWP1AC LCS Lot-Sample#: A1J090000-569				
	1.00	1.06	NTU	106	MCAWW 180.1	10/09/01	1282569
			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 #...: H1J090111 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JP1AC		LCS Lot-Sample#: A1J140000-110	
	104	(90 - 115)	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 1			
Cyanide, Total		Work Order #: EL1M91AC		LCS Lot-Sample#: H1J110000-472	
	104	(88 - 113)	SW846 9012A	10/09-10/10/01	1284472
		Dilution Factor: 1			
Cyanide, Total		Work Order #: EMJ3Q1AC		LCS Lot-Sample#: H1J220000-391	
	96	(88 - 113)	SW846 9012A	10/17-10/18/01	1295391
		Dilution Factor: 1			
Hardness, as CaCO3		Work Order #: EMTN41AC		LCS Lot-Sample#: A1J250000-555	
	94	(84 - 116)	MCAWW 130.2	10/25/01	1298555
		Dilution Factor: 1			
Nitrate		Work Order #: ENAVF1AC		LCS Lot-Sample#: A1K020000-507	
	98	(77 - 116)	MCAWW 353.2	10/09/01	1306507
		Dilution Factor: 1			
Nitrate		Work Order #: ENFF91AC		LCS Lot-Sample#: A1K060000-417	
	108	(77 - 116)	MCAWW 353.2	11/02/01	1310417
		Dilution Factor: 1			
Sulfate		Work Order #: EL8KW1AC		LCS Lot-Sample#: A1J160000-369	
	107	(80 - 112)	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1			
Total Alkalinity		Work Order #: ELVWM1AC		LCS Lot-Sample#: A1J090000-562	
	101	(90 - 127)	MCAWW 310.1	10/09/01	1282562
		Dilution Factor: 1			
Total Dissolved Solids		Work Order #: EL50C1AC		LCS Lot-Sample#: A1J150000-211	
	95	(69 - 120)	MCAWW 160.1	10/15/01	1288211
		Dilution Factor: 1			
Total Organic Carbon		Work Order #: EM52N1AC		LCS Lot-Sample#: A1K010000-138	
	95	(88 - 115)	SW846 9060	10/31/01	1305138
		Dilution Factor: 1			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: H1J090111 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Suspended Solids		Work Order #: EL3K31AC	LCS Lot-Sample#: A1J120000-278		
	96	(66 - 119)	MCAWW 160.2	10/11-10/12/01	1285278
		Dilution Factor: 1			
Turbidity		Work Order #: ELVWP1AC	LCS Lot-Sample#: A1J090000-569		
	106	(75 - 125)	MCAWW 180.1	10/09/01	1282569
		Dilution Factor: 1			

NOTE(S):

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

Sample Receipt Documentation

H1J090111

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100801STL-K

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Kessler
Profit Center:
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/08/01
Laboratory Destination: STL - Knoxville
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 828403846650

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program MFH 10-9-01	Condition on Receipt	Disposal Record
BD3038	Water	10/08/01 09:40	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide -ph12	-ph2 ph12	
BD3027	Water	10/08/01 10:20	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide -ph12	-ph2	Rec'd temp. 4°c
BD3027-MS	Water	10/08/01 10:20	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)	-ph5 perserved in lab to ph2 with HNO3	Custody Seals intact
BD3027-MSD	Water	10/08/01 10:20	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)	-ph5 perserved in lab to ph2 with HNO3	Fed ex # 828403846650
BD3004	Water	10/08/01 11:45	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide -ph12	-ph2 By MFH 10-9-01	MFH 10-9-01
BD3004-MS	Water	10/08/01 11:45	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)	-ph2	
BD3004-MSD	Water	10/08/01 11:45	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)	-ph2	
TB100801A	Water	10/08/01 18:00	VOA vials	80 ml	Ice HCl	Volatiles		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: 21 DAYS Rush: ____

Level of QC Required:
I. ____ II. ____ III. ____ Project Specific: ____

1. Relinquished by:	Date: 10-8-01 Time: 18:00	1. Received by: Matthew T. Howard	Date: 10-9-01 Time: 08:30
2. Relinquished by:	Date: Time:	2. Received by:	Date: Time:
3. Relinquished by:	Date: Time:	2. Received by:	Date: Time:

Comments: ** Note: Reduced volume submitted for BD3034 - Please try to analyze for Explosives and Semivolatiles from 2 liters submitted as compared to the normal 3 liters.
Thank You

STL KNOXVILLE
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT. Corp. PROJECT Plumbrook Ordinance works. Lot No.: H1J090111

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?	✓		
(NOTE: North Carolina, 1668, 1613B have 0-4°C requirement)	MFH 10-9-01		
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 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: Matthew F. Howard DATE: 10-9-01

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 44281			
b. Informed Login associates of special instructions ?			X
2. If custody seals were missing/not intact, was client notified?			X

PROJECT MANAGER : jm DATE: 10/10/01

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
BD-3027-MS	unfiltered Metals	He	fed with Ph5, Preserved in Lab to Ph2 wi HNO
BD3027-MSD	filtered metals.	↓	↓

☑ Client informed on 10/10/01 by Conference. Person contacted: M McMyler.
☐ Noted actions in comments section above.
☒ No action necessary; process as is.
Project Manager: jm Date: 10/12/01

STL KNOXVILLE
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 received with < ½ holding time remaining
	4e Sample preservative: Metals preserved to pH 5.
	4f 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): _____

STL KNOXVILLE

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT PROJECT: PBOW Lot No.: H1J090111

TO BE COMPETED BY PROJECT MANAGER:

1. Client Documents (Request for Analysis/Chain of Custody):	YES	NO	NA
a. Was QuanTIMS lot number documented on all paperwork?	X		
b. Was RFA/COC signed upon receipt, including date/time?	X		
c. Is preservative check (pH) noted on RFA/COC?	X		
d. Is cooler temperature & custody seal condition noted on COC?	X		

2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	X		
b. Were tests/parameters assigned correctly?	X		
c. Were correct analytical and report due dates assigned?	X		
d. Has the correct fax due date been assigned to the lot?			X
e. Is the correct report format noted in the lot summary?	X		
f. Is percent moisture logged for samples requiring this analysis?			X
g. Are client assigned QC samples properly defined?			X

3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?			X
b If the purchase order number is given, is it noted in Lot header?			X
c. If samples were subcontracted, was copy of COC in folder?	X		X gm 10/10/01 shipped directly

4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?			X
b Is SDG number noted in Lot header & sample comments?			X
c. If SDG is complete, has the due date been revised & marked closed?			X

5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	X		
b. Was there a CUR?	X		
c. Were all issues resolved?			X

LOT FOLDER REVIEWED BY: gm DATE: 10/10/01

H15090111

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100801STL-N

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Kessler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/08/01
Laboratory Destination: STL - North Canton
Laboratory Contact:
Project Contact/Phone: Matireen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 828403846649

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative		Condition on Receipt	Disposal Record
BD3038	Water	10/08/01 09:40	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
BD3027	Water	10/08/01 10:20	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		
BD3004	Water	10/08/01 11:45	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		

Special Instructions:

Possible Hazard Identification: Use caution when handling

Non-haz: Flammable: Poison B: Unknown:

Sample Disposal:
Return to Client: Disposal by Lab: Archive:

Turnaround Time:
Normal: Rush:

Level of QC Required:
I II III Project Specific:

1. Relinquished by:	Date: 10-8-01 Time: 18:00	1. Received by:	Date: 10-9-01 Time: 9:40
2. Relinquished by:	Date: Time:	2. Received by:	Date: Time:
3. Relinquished by:	Date: Time:	2. Received by:	Date: Time:

Comments: Please disregard laboratory reference on bottle labels.

H1J090111

STL Cooler Receipt Form/Narrative
North Canton Facility

Client: IT Corp Project: Quote#:
Cooler Received on: 10-9-01 Opened on: 10-9-01 by: Anne Sanders (Signature)

Fedx ☑ Client Drop Off ☐ UPS ☐ Airborne ☐
Other:

Cooler ☐ Safe ☐ Foam Box ☐ Client Cooler ☑ Other:
STL Shipper No#:

10-9-01 AMS

1. Were custody seals on the outside of the cooler and intact? Yes ☑ No ☐
   If YES, Quantity 2 Location Overlid
   Were the custody seals signed and dated? Yes ☑ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☑ No ☐
3. Were custody papers included inside the cooler and relinquished? Yes ☑ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☑ No ☐
5. Packing material used:
Peanuts ☐ Bubble Wrap ☑ Vermiculite ☑ Foam ☐ None ☐ Other :
6. Cooler temperature upon receipt 2 °C (see back of form for multiple coolers/temp)
METHOD: Temperature Vial ☑ Between Coolant & Sample Container ☐ Against Bottles ☐
COOLANT: Wet Ice ☑ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Were all the bottles sealed in separate plastic bags? Yes ☐ No ☑
8. Did all bottles arrive in good condition (Unbroken)? Yes ☑ No ☐
9. Did all bottle labels and tags agree with the custody papers? Yes ☑ No ☐
10. Were samples at the correct pH? Yes ☐ No ☑ NA ☐
11. Were correct bottles used for the tests indicated? Yes ☑ No ☐
12. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☑ NA ☐
13. Was a sufficient amount of sample sent in each bottle? Yes ☑ No ☐
Contacted PM Date: by: via Voice Mail ☐ Verbal ☐ Other ☐
Concerning:

√	MACRO	MACRO
1. CHAIN OF CUSTODY		
	SR1A	Samples were received under proper custody procedures and without discrepancies.
	SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred
2. SAMPLE CONDITION		
	SR2A	Sample(s) were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) were received with insufficient volume
	SR2C	Sample(s) were received in a broken container.
3. SAMPLE PRESERVATION		
✓	SR3A	Sample(s) BD36227 1x250 were further preserved in sample receiving to meet recommended pH level(s). HNO3
	SR3B	Sample(s) were received with bubble > 6 mm in diameter (cc: PM)
4. NCM		
	SR4A	NCM has been generated. Refer to Clouseau for details
5. Other Anomalies (see below or back)		

H1J090111

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
BD3038	<2	10-9-01	AMS
3027	<2		
3004	<2		

Cooler	Temp	Method	Comments

Discrepancies Cont.

Macro Name:

Macro Name:

Macro Name:

Macro Name:

Other Anomalies:

SEVERN
TRENT
SERVICES

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921-5947

Tel: 865-291-3000
Fax: 865-584-4315
www.stl-inc.com

ANALYTICAL REPORT

PBOW

Lot #: H1J100121

Maureen McMyler

IT Corporation - Knoxville
312 Directors Drive
Knoxville, TN 37923

SEVERN TRENT LABORATORIES, INC.

Jamie A McKinney

Jamie A. McKinney
Project Manager

November 7, 2001

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Sample Receipt Documentation **204**

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Miscellaneous Data 1299

Explosives **1317**
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Sample Receipt Documentation **2296**

Total Number of Pages 2310

SAMPLE SUMMARY

H1J100121

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ELV82	001	BD3037	10/09/01	14:50
ELV83	002	BD3032	10/09/01	11:15
ELV86	003	BD3029	10/09/01	09:35
ELV87	004	BD3028	10/09/01	11:45
ELV88	005	BD3019	10/09/01	08:50
ELV9C	006	TB100901A	10/09/01	18:00
ELV9D	007	BD3037	10/09/01	14:50
ELV9E	008	BD3032	10/09/01	11:15
ELV9F	009	BD3029	10/09/01	09:35
ELV9G	010	BD3028	10/09/01	11:45
ELV9J	011	BD3019	10/09/01	08:50
ELV9P	012	BA9012	10/06/01	09:45
ELV9W	013	BA9013	10/06/01	10:00
ELV9X	014	BA9014	10/06/01	10:10
ELV90	015	BA9015	10/06/01	10:20
ELV92	016	BA9016	10/06/01	10:30
ELV93	017	BA9017	10/06/01	10:50
ELV94	018	BA9018	10/06/01	11:30
ELV95	019	BA9019	10/06/01	12:00
ELV96	020	BA9020	10/06/01	12:20

NOTE(S):

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

ANALYTICAL METHODS SUMMARY

H1J100121

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2
Corrosivity	SW846 9045A
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate	MCAWW 353.2
Nitroaromatics and Nitramines by HPLC	SW846 8330
Non-Filterable Residue (TSS)	MCAWW 160.2
Pensky-Martens Method for Determining Ignitability	SW846 1010
Percent Moisture	MCAWW 160.3 MOD
Reactive Cyanide	SW846 7.3.3
Reactive Sulfide	SW846 7.3.4
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Sulfate	MCAWW 375.4
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	SW846 9060
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Turbidity (Nephelometric)	MCAWW 180.1
Volatile Organics by GC/MS	SW846 8260B

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
H1J100121

The results reported herein are applicable to the samples submitted for analysis only.

The original chain of custody documentation is included with this report.

Sample Receipt

Two of three volatile containers for sample BD3029 were received with headspace.

The cyanide portion of samples BD3032, BD3029, and BD3028 were received at pH 11. The samples were preserved by laboratory personnel.

The unfiltered metals portion of sample BD3037 was received at a pH of 8. The sample was preserved by laboratory personnel.

The filtered metals portion of sample BD3037 was received at a pH of 8. Laboratory personnel attempted to preserve the sample but it would not remain at the correct pH.

Containers for cyanide for samples BD3029 and BD3028 were received but were not listed on the chain of custody.

The hardness portion of sample BD3038 was received unpreserved. The sample was preserved by laboratory personnel.

Subcontract

The following analyses were performed by STL North Canton Laboratory, 4101 Shuffel Drive, NW, North Canton, OH 44720: Hardness (MCAAW 130.2), Total Dissolved Solids (MCAAW 160.1), Total Suspended Solids (MCAAW 160.2), Turbidity (MCAAW 180.1), Alkalinity (MCAAW 310.1), Chloride (MCAAW 325.2), Nitrate (MCAAW 353.2), Sulfate (MCAAW 375.4), and Total Organic Carbon (SW846 9060).

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PROJECT NARRATIVE
H1J100121

Quality Control

Unless otherwise noted, all holding times and QC criteria were met. The test results shown in this report meet all applicable NELAC requirements. Any exceptions are noted below.

Volatiles

The pH of sample BD3037 was greater than 2. The sample was analyzed within the normal 14 day holding time. EPA has indicated that some aromatic compounds in wastewater samples, notably benzene, toluene, and ethyl benzene, may be susceptible to biological degradation if samples are not preserved to a pH of 2.

Samples BD3037, BD3032, BD3029, BD3028, and BD3019 were reported with elevated reporting limits for all analytes due to the presence of non-target compounds. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

The recovery of surrogate 1,2-dichloroethane-d4 was slightly outside the control limts for LCS EL7AR1AA. However, the data should not be affected since the recoveries of the surrogates were acceptable for all samples and the recoveries of the spike compounds were acceptable.

Semi-Volatiles

The recoveries for laboratory control sample EL3CD1AC and laboratory control sample duplicate EL3CD1AD were acceptable for all anlaytes except pyrene. The associated samples were reprepared outside the holding time. The recoveries laboratory control sample EMK8E1AC and laboratory control sample duplicate EMK8E1AD were acceptable for all anlaytes. Both sets of data were reported for compliance purposes.

Sample BD3037 was reported with elevated reporting limits for all analytes due to the difficult sample matrix. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

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PROJECT NARRATIVE
H1J100121

Semi-Volatiles (continued)

The concentration of 2,4-dinitrotoluene in sample BA9013 exceeded the calibration level of the instrument. The sample was analyzed at a dilution to bring the concentration of the compound into the instrument calibration range. The results for both analyses were reported in order to provide the lowest possible reporting limits.

Explosives

Due to sample matrix interferences, estimated results below the reporting limit were not reported for several anayltes. The result was qualified with an "I" flag to indicate the presence of matrix interferences.

Surrogate recoveries for samples BD3028 were slightly above QC limits. However, since the recoveries were high, and there were no targets detected above the reporting limits, the validity of the data is unaffected.

Metals

The serial dilution of batch sample ELN6K was outside control limits for calcium due to physical or chemical matrix interferences.

The serial dilution of sample BD3019 was outside control limits for potassium due to physical or chemical matrix interferences.

A batch matrix spike/matrix spike duplicate was analyzed using a sample from this lot. The recoveries were outside control limits for sodium. 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.

Cyanide

The standards and samples BD3019, BD3029, and BD3032 were treated with bismuth nitrate to remove sulfide prior to distillation.

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PROJECT NARRATIVE
H1J100121

Total Suspended Solids

Due to a laboratory error, only one duplicate sample was analyzed with the batch.

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Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3037

GC/MS Volatiles

Lot-Sample #...: H1J100121-001 Work Order #...: ELV821A4 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01
Prep Date.....: 10/15/01 Analysis Date..: 10/15/01
Prep Batch #...: 1288178
Dilution Factor: 200 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	400	ug/L
Bromomethane	ND	400	ug/L
Vinyl chloride	ND	200	ug/L
Chloroethane	ND	400	ug/L
Methylene chloride	**330 J,B**	**400**	**ug/L**
Acetone	ND	2000	ug/L
Carbon disulfide	ND	200	ug/L
1,1-Dichloroethene	ND	200	ug/L
1,1-Dichloroethane	ND	200	ug/L
1,2-Dichloroethene (total)	ND	200	ug/L
Chloroform	ND	200	ug/L
1,2-Dichloroethane	ND	200	ug/L
2-Butanone	ND	1000	ug/L
1,1,1-Trichloroethane	ND	200	ug/L
Carbon tetrachloride	ND	200	ug/L
Bromodichloromethane	ND	200	ug/L
1,2-Dichloropropane	ND	200	ug/L
cis-1,3-Dichloropropene	ND	200	ug/L
Trichloroethene	ND	200	ug/L
Dibromochloromethane	ND	200	ug/L
1,1,2-Trichloroethane	ND	200	ug/L
Benzene	**700**	**200**	**ug/L**
trans-1,3-Dichloropropene	ND	200	ug/L
Bromoform	ND	200	ug/L
4-Methyl-2-pentanone	ND	1000	ug/L
2-Hexanone	ND	1000	ug/L
Tetrachloroethene	ND	200	ug/L
1,1,2,2-Tetrachloroethane	ND	200	ug/L
Toluene	**730**	**200**	**ug/L**
Chlorobenzene	ND	200	ug/L
Ethylbenzene	**240**	**200**	**ug/L**
Styrene	ND	200	ug/L
Xylenes (total)	**1400**	**200**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(80 - 120)
1,2-Dichloroethane-d4	83	(80 - 120)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	95	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3037

GC/MS Volatiles

Lot-Sample #...: H1J100121-001 Work Order #...: ELV821A4 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: BD3032

GC/MS Volatiles

Lot-Sample #...: H1J100121-002 **Work Order #...:** ELV831A4 **Matrix.....:** WATER
Date Sampled...: 10/09/01 **Date Received..:** 10/10/01
Prep Date.....: 10/17/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1290219
Dilution Factor: 178.6 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	360	ug/L
Bromomethane	ND	360	ug/L
Vinyl chloride	ND	180	ug/L
Chloroethane	ND	360	ug/L
Methylene chloride	**98 J,B**	**360**	**ug/L**
Acetone	**210 J,B**	**1800**	**ug/L**
Carbon disulfide	ND	180	ug/L
1,1-Dichloroethene	ND	180	ug/L
1,1-Dichloroethane	ND	180	ug/L
1,2-Dichloroethene (total)	ND	180	ug/L
Chloroform	ND	180	ug/L
1,2-Dichloroethane	ND	180	ug/L
2-Butanone	ND	890	ug/L
1,1,1-Trichloroethane	ND	180	ug/L
Carbon tetrachloride	ND	180	ug/L
Bromodichloromethane	ND	180	ug/L
1,2-Dichloropropane	ND	180	ug/L
cis-1,3-Dichloropropene	ND	180	ug/L
Trichloroethene	ND	180	ug/L
Dibromochloromethane	ND	180	ug/L
1,1,2-Trichloroethane	ND	180	ug/L
Benzene	**130 J**	**180**	**ug/L**
trans-1,3-Dichloropropene	ND	180	ug/L
Bromoform	ND	180	ug/L
4-Methyl-2-pentanone	ND	890	ug/L
2-Hexanone	ND	890	ug/L
Tetrachloroethene	ND	180	ug/L
1,1,2,2-Tetrachloroethane	ND	180	ug/L
Toluene	**120 J**	**180**	**ug/L**
Chlorobenzene	ND	180	ug/L
Ethylbenzene	**100 J**	**180**	**ug/L**
Styrene	ND	180	ug/L
Xylenes (total)	**560**	**180**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(80 - 120)
1,2-Dichloroethane-d4	107	(80 - 120)
Toluene-d8	111	(80 - 120)
Bromofluorobenzene	109	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3032

GC/MS Volatiles

Lot-Sample #...: H1J100121-002 Work Order #...: ELV831A4 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: BD3029

GC/MS Volatiles

Lot-Sample #...: H1J100121-003 **Work Order #...:** ELV861AF **Matrix.....:** WATER
Date Sampled...: 10/09/01 **Date Received..:** 10/10/01
Prep Date.....: 10/17/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1290219
Dilution Factor: 40 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	80	ug/L
Bromomethane	ND	80	ug/L
Vinyl chloride	ND	40	ug/L
Chloroethane	ND	80	ug/L
Methylene chloride	**21 J,B**	**80**	**ug/L**
Acetone	**120 J,B**	**400**	**ug/L**
Carbon disulfide	ND	40	ug/L
1,1-Dichloroethene	ND	40	ug/L
1,1-Dichloroethane	ND	40	ug/L
1,2-Dichloroethene (total)	ND	40	ug/L
Chloroform	ND	40	ug/L
1,2-Dichloroethane	ND	40	ug/L
2-Butanone	ND	200	ug/L
1,1,1-Trichloroethane	ND	40	ug/L
Carbon tetrachloride	ND	40	ug/L
Bromodichloromethane	ND	40	ug/L
1,2-Dichloropropane	ND	40	ug/L
cis-1,3-Dichloropropene	ND	40	ug/L
Trichloroethene	ND	40	ug/L
Dibromochloromethane	ND	40	ug/L
1,1,2-Trichloroethane	ND	40	ug/L
Benzene	**60**	**40**	**ug/L**
trans-1,3-Dichloropropene	ND	40	ug/L
Bromoform	ND	40	ug/L
4-Methyl-2-pentanone	ND	200	ug/L
2-Hexanone	ND	200	ug/L
Tetrachloroethene	ND	40	ug/L
1,1,2,2-Tetrachloroethane	ND	40	ug/L
Toluene	**58**	**40**	**ug/L**
Chlorobenzene	ND	40	ug/L
Ethylbenzene	**19 J**	**40**	**ug/L**
Styrene	ND	40	ug/L
Xylenes (total)	**110**	**40**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	108	(80 - 120)
Toluene-d8	109	(80 - 120)
Bromofluorobenzene	109	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3029

GC/MS Volatiles

Lot-Sample #...: H1J100121-003 Work Order #...: ELV861AF 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: BD3028

GC/MS Volatiles

Lot-Sample #...: H1J100121-004 Work Order #...: ELV871AF Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01
Prep Date.....: 10/15/01 Analysis Date..: 10/15/01
Prep Batch #...: 1288178
Dilution Factor: 200 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	400	ug/L
Bromomethane	ND	400	ug/L
Vinyl chloride	ND	200	ug/L
Chloroethane	ND	400	ug/L
Methylene chloride	**160 J,B**	**400**	**ug/L**
Acetone	**1600 J**	**2000**	**ug/L**
Carbon disulfide	ND	200	ug/L
1,1-Dichloroethene	ND	200	ug/L
1,1-Dichloroethane	ND	200	ug/L
1,2-Dichloroethene (total)	ND	200	ug/L
Chloroform	ND	200	ug/L
1,2-Dichloroethane	ND	200	ug/L
2-Butanone	ND	1000	ug/L
1,1,1-Trichloroethane	ND	200	ug/L
Carbon tetrachloride	ND	200	ug/L
Bromodichloromethane	ND	200	ug/L
1,2-Dichloropropane	ND	200	ug/L
cis-1,3-Dichloropropene	ND	200	ug/L
Trichloroethene	ND	200	ug/L
Dibromochloromethane	ND	200	ug/L
1,1,2-Trichloroethane	ND	200	ug/L
Benzene	**2100**	**200**	**ug/L**
trans-1,3-Dichloropropene	ND	200	ug/L
Bromoform	ND	200	ug/L
4-Methyl-2-pentanone	ND	1000	ug/L
2-Hexanone	ND	1000	ug/L
Tetrachloroethene	ND	200	ug/L
1,1,2,2-Tetrachloroethane	ND	200	ug/L
Toluene	**910**	**200**	**ug/L**
Chlorobenzene	ND	200	ug/L
Ethylbenzene	**190 J**	**200**	**ug/L**
Styrene	ND	200	ug/L
Xylenes (total)	**1300**	**200**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(80 - 120)
1,2-Dichloroethane-d4	85	(80 - 120)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	100	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3028

GC/MS Volatiles

Lot-Sample #...: H1J100121-004 Work Order #...: ELV871AF 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: BD3019

GC/MS Volatiles

Lot-Sample #...: H1J100121-005 **Work Order #...:** ELV881AF **Matrix.....:** WATER
Date Sampled...: 10/09/01 **Date Received..:** 10/10/01
Prep Date.....: 10/15/01 **Analysis Date..:** 10/15/01
Prep Batch #...: 1288178
Dilution Factor: 200 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	400	ug/L
Bromomethane	ND	400	ug/L
Vinyl chloride	ND	200	ug/L
Chloroethane	ND	400	ug/L
Methylene chloride	**120 J,B**	**400**	**ug/L**
Acetone	**170 J**	**2000**	**ug/L**
Carbon disulfide	ND	200	ug/L
1,1-Dichloroethene	ND	200	ug/L
1,1-Dichloroethane	ND	200	ug/L
1,2-Dichloroethene (total)	ND	200	ug/L
Chloroform	ND	200	ug/L
1,2-Dichloroethane	ND	200	ug/L
2-Butanone	ND	1000	ug/L
1,1,1-Trichloroethane	ND	200	ug/L
Carbon tetrachloride	ND	200	ug/L
Bromodichloromethane	ND	200	ug/L
1,2-Dichloropropane	ND	200	ug/L
cis-1,3-Dichloropropene	ND	200	ug/L
Trichloroethene	ND	200	ug/L
Dibromochloromethane	ND	200	ug/L
1,1,2-Trichloroethane	ND	200	ug/L
Benzene	**670**	**200**	**ug/L**
trans-1,3-Dichloropropene	ND	200	ug/L
Bromoform	ND	200	ug/L
4-Methyl-2-pentanone	ND	1000	ug/L
2-Hexanone	ND	1000	ug/L
Tetrachloroethene	ND	200	ug/L
1,1,2,2-Tetrachloroethane	ND	200	ug/L
Toluene	**630**	**200**	**ug/L**
Chlorobenzene	ND	200	ug/L
Ethylbenzene	**150 J**	**200**	**ug/L**
Styrene	ND	200	ug/L
Xylenes (total)	**1000**	**200**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(80 - 120)
1,2-Dichloroethane-d4	82	(80 - 120)
Toluene-d8	96	(80 - 120)
Bromofluorobenzene	96	(72 - 135)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3019

GC/MS Volatiles

Lot-Sample #...: H1J100121-005 Work Order #...: ELV881AF 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: TB100901A

GC/MS Volatiles

Lot-Sample #...: H1J100121-006 Work Order #...: ELV9C1AA Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01
Prep Date.....: 10/15/01 Analysis Date..: 10/15/01
Prep Batch #...: 1288178
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**1.5 J,B**	**2.0**	**ug/L**
Acetone	**9.2 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	**1.7 J**	**5.0**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	**0.41 J**	**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	92	(80 - 120)
1,2-Dichloroethane-d4	84	(80 - 120)
Toluene-d8	98	(80 - 120)
Bromofluorobenzene	97	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: TB100901A

GC/MS Volatiles

Lot-Sample #...: H1J100121-006 Work Order #...: ELV9C1AA 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: BA9012

TCLP GC/MS Volatiles

Lot-Sample #...:	H1J100121-012	Work Order #...:	ELV9P1AP	Matrix.....:	SOLID
Date Sampled...:	10/06/01	Date Received..:	10/10/01		
Leach Date.....:	10/16/01	Prep Date.....:	10/16/01	Analysis Date..:	10/16/01
Leach Batch #..:	P128805	Prep Batch #...:	1290155		
Dilution Factor:	1				
% Moisture.....:	23	Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.050	mg/L
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(77 - 123)
1,2-Dichloroethane-d4	85	(80 - 122)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	100	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9013

TCLP GC/MS Volatiles

Lot-Sample #...:	H1J100121-013	**Work Order #...:**	ELV9W1AP	**Matrix.....:**	SOLID
Date Sampled...:	10/06/01	**Date Received..:**	10/10/01		
Leach Date.....:	10/16/01	**Prep Date.....:**	10/16/01	**Analysis Date..:**	10/16/01
Leach Batch #..:	P128805	**Prep Batch #...:**	1290155		
Dilution Factor:	1				
% Moisture.....:	22	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.050	mg/L
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(77 - 123)
1,2-Dichloroethane-d4	85	(80 - 122)
Toluene-d8	98	(80 - 120)
Bromofluorobenzene	100	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9014

TCLP GC/MS Volatiles

Lot-Sample #...:	H1J100121-014	**Work Order #...:**	ELV9X1AP	**Matrix.....:**	SOLID
Date Sampled...:	10/06/01	**Date Received..:**	10/10/01		
Leach Date.....:	10/16/01	**Prep Date.....:**	10/16/01	**Analysis Date..:**	10/16/01
Leach Batch #..:	P128805	**Prep Batch #...:**	1290155		
Dilution Factor:	1				
% Moisture.....:	9.8	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.050	mg/L
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(77 - 123)
1,2-Dichloroethane-d4	82	(80 - 122)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	99	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9015

TCLP GC/MS Volatiles

Lot-Sample #...: H1J100121-015	**Work Order #...:** ELV901AP	**Matrix.....:** SOLID
Date Sampled...: 10/06/01	**Date Received..:** 10/10/01	
Leach Date.....: 10/16/01	**Prep Date.....:** 10/16/01	**Analysis Date..:** 10/16/01
Leach Batch #..: P128805	**Prep Batch #...:** 1290155	
Dilution Factor: 1		
% Moisture.....: 24	**Method.....:** SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.050	mg/L
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(77 - 123)
1,2-Dichloroethane-d4	83	(80 - 122)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	97	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9016

TCLP GC/MS Volatiles

Lot-Sample #...:	H1J100121-016	**Work Order #...:**	ELV921AP	**Matrix.....:**	SOLID
Date Sampled...:	10/06/01	**Date Received..:**	10/10/01		
Leach Date.....:	10/16/01	**Prep Date.....:**	10/19/01	**Analysis Date..:**	10/19/01
Leach Batch #..:	P128910	**Prep Batch #...:**	1292206		
Dilution Factor:	1				
% Moisture.....:	21	**Method.....:**	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.050	mg/L
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(77 - 123)
1,2-Dichloroethane-d4	99	(80 - 122)
Toluene-d8	104	(80 - 120)
Bromofluorobenzene	100	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9017

TCLP GC/MS Volatiles

Lot-Sample #...:	H1J100121-017	Work Order #...:	ELV931AP	Matrix.....:	SOLID
Date Sampled...:	10/06/01	Date Received..:	10/10/01		
Leach Date.....:	10/16/01	Prep Date.....:	10/19/01	Analysis Date..:	10/19/01
Leach Batch #..:	P128910	Prep Batch #...:	1292206		
Dilution Factor:	1				
% Moisture.....:	56	Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**0.028 J**	**0.050**	**mg/L**
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	**0.018 J**	**0.20**	**mg/L**
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(77 - 123)
1,2-Dichloroethane-d4	102	(80 - 122)
Toluene-d8	103	(80 - 120)
Bromofluorobenzene	97	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9018

TCLP GC/MS Volatiles

Lot-Sample #...:	H1J100121-018	Work Order #...:	ELV941AP	Matrix.....:	SOLID
Date Sampled...:	10/06/01	Date Received..:	10/10/01		
Leach Date.....:	10/16/01	Prep Date.....:	10/19/01	Analysis Date..:	10/19/01
Leach Batch #..:	P128910	Prep Batch #...:	1292206		
Dilution Factor:	1				
% Moisture.....:	27	Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**0.0079 J**	**0.050**	**mg/L**
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(77 - 123)
1,2-Dichloroethane-d4	105	(80 - 122)
Toluene-d8	103	(80 - 120)
Bromofluorobenzene	97	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9019

TCLP GC/MS Volatiles

Lot-Sample #...:	H1J100121-019	Work Order #...:	ELV951AP	Matrix.....:	SOLID
Date Sampled...:	10/06/01	Date Received..:	10/10/01		
Leach Date.....:	10/16/01	Prep Date.....:	10/19/01	Analysis Date..:	10/19/01
Leach Batch #..:	P128910	Prep Batch #...:	1292206		
Dilution Factor:	1				
% Moisture.....:	52	Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**0.021 J**	**0.050**	**mg/L**
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(77 - 123)
1,2-Dichloroethane-d4	103	(80 - 122)
Toluene-d8	103	(80 - 120)
Bromofluorobenzene	97	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9020

TCLP GC/MS Volatiles

Lot-Sample #...: H1J100121-020 Work Order #...: ELV961AP Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
Leach Date.....: 10/16/01 Prep Date.....: 10/19/01 Analysis Date..: 10/19/01
Leach Batch #..: P128910 Prep Batch #...: 1292206
Dilution Factor: 1
% Moisture.....: 15 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.050	mg/L
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(77 - 123)
1,2-Dichloroethane-d4	99	(80 - 122)
Toluene-d8	101	(80 - 120)
Bromofluorobenzene	98	(74 - 137)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J100121 **Work Order #...:** EL5V41AA **Matrix.....:** WATER
MB Lot-Sample #: H1J150000-178

Prep Date.....: 10/15/01
Analysis Date..: 10/15/01 **Prep Batch #...:** 1288178
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(80 - 120)
1,2-Dichloroethane-d4	86	(80 - 120)
Toluene-d8	97	(80 - 120)
Bromofluorobenzene	98	(72 - 135)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J100121 Work Order #...: EL5V41AA 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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J100121 **Work Order #...:** EL5V41AC **Matrix.....:** WATER
LCS Lot-Sample#: H1J150000-178
Prep Date.....: 10/15/01 **Analysis Date..:** 10/15/01
Prep Batch #...: 1288178
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**10.2**	**ug/L**	**102**	**SW846 8260B**
Trichloroethene	**10.0**	**10.9**	**ug/L**	**109**	**SW846 8260B**
Benzene	**10.0**	**11.0**	**ug/L**	**110**	**SW846 8260B**
Toluene	**10.0**	**11.6**	**ug/L**	**116**	**SW846 8260B**
Chlorobenzene	**10.0**	**11.1**	**ug/L**	**111**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(80 - 120)
1,2-Dichloroethane-d4	85	(80 - 120)
Toluene-d8	100	(80 - 120)
Bromofluorobenzene	91	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J100121 **Work Order #...:** EL5V41AC **Matrix.....:** WATER
LCS Lot-Sample#: H1J150000-178
Prep Date.....: 10/15/01 **Analysis Date..:** 10/15/01
Prep Batch #...: 1288178
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**102**	**(69 - 120)**	**SW846 8260B**
Trichloroethene	**109**	**(76 - 120)**	**SW846 8260B**
Benzene	**110**	**(76 - 120)**	**SW846 8260B**
Toluene	**116**	**(77 - 120)**	**SW846 8260B**
Chlorobenzene	**111**	**(75 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(80 - 120)
1,2-Dichloroethane-d4	85	(80 - 120)
Toluene-d8	100	(80 - 120)
Bromofluorobenzene	91	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

TCLP GC/MS Volatiles

Client Lot #...: H1J100121 **Work Order #...:** EL6GD1AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J150000-388
Leach Date.....: 10/16/01 **Prep Date.....:** 10/16/01 **Analysis Date..:** 10/16/01
Leach Batch #..: P128805 **Prep Batch #...:** 1290155
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.050	mg/L	SW846 8260B
Carbon tetrachloride	ND	0.050	mg/L	SW846 8260B
Chlorobenzene	ND	0.050	mg/L	SW846 8260B
Chloroform	ND	0.050	mg/L	SW846 8260B
1,2-Dichloroethane	ND	0.050	mg/L	SW846 8260B
1,1-Dichloroethylene	ND	0.050	mg/L	SW846 8260B
Methyl ethyl ketone	ND	0.20	mg/L	SW846 8260B
Tetrachloroethylene	ND	0.050	mg/L	SW846 8260B
Trichloroethylene	ND	0.050	mg/L	SW846 8260B
Vinyl chloride	ND	0.10	mg/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(77 - 123)
1,2-Dichloroethane-d4	87	(80 - 122)
Toluene-d8	96	(80 - 120)
Bromofluorobenzene	100	(74 - 137)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J100121 **Work Order #...:** EL86D1AA **Matrix.....:** SOLID
LCS Lot-Sample#: H1J170000-155
Prep Date.....: 10/16/01 **Analysis Date..:** 10/16/01
Prep Batch #...: 1290155
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**0.200**	**0.219**	**mg/L**	**109**	**SW846 8260B**
Carbon tetrachloride	**0.200**	**0.138**	**mg/L**	**69**	**SW846 8260B**
Chlorobenzene	**0.200**	**0.214**	**mg/L**	**107**	**SW846 8260B**
Chloroform	**0.200**	**0.194**	**mg/L**	**97**	**SW846 8260B**
1,2-Dichloroethane	**0.200**	**0.174**	**mg/L**	**87**	**SW846 8260B**
1,1-Dichloroethylene	**0.200**	**0.198**	**mg/L**	**99**	**SW846 8260B**
Methyl ethyl ketone	**0.800**	**0.599**	**mg/L**	**75**	**SW846 8260B**
Tetrachloroethylene	**0.200**	**0.217**	**mg/L**	**109**	**SW846 8260B**
Trichloroethylene	**0.200**	**0.214**	**mg/L**	**107**	**SW846 8260B**
Vinyl chloride	**0.200**	**0.235**	**mg/L**	**118**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(77 - 123)
1,2-Dichloroethane-d4	79 *	(80 - 122)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	91	(74 - 137)

NOTE(S):

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

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J100121 Work Order #...: EL86D1AA Matrix.....: SOLID
LCS Lot-Sample#: H1J170000-155
Prep Date.....: 10/16/01 Analysis Date..: 10/16/01
Prep Batch #...: 1290155
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**109**	**(74 - 120)**	**SW846 8260B**
Carbon tetrachloride	**69**	**(64 - 134)**	**SW846 8260B**
Chlorobenzene	**107**	**(76 - 120)**	**SW846 8260B**
Chloroform	**97**	**(74 - 120)**	**SW846 8260B**
1,2-Dichloroethane	**87**	**(70 - 125)**	**SW846 8260B**
1,1-Dichloroethylene	**99**	**(74 - 120)**	**SW846 8260B**
Methyl ethyl ketone	**75**	**(39 - 138)**	**SW846 8260B**
Tetrachloroethylene	**109**	**(74 - 120)**	**SW846 8260B**
Trichloroethylene	**107**	**(76 - 120)**	**SW846 8260B**
Vinyl chloride	**118**	**(66 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(77 - 123)
1,2-Dichloroethane-d4	79 *	(80 - 122)
Toluene-d8	99	(80 - 120)
Bromofluorobenzene	91	(74 - 137)

NOTE(S):

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

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J100121 **Work Order #...:** EL9AN1AA **Matrix.....:** WATER
MB Lot-Sample #: H1J170000-219

Prep Date.....: 10/17/01
Analysis Date..: 10/17/01 **Prep Batch #...:** 1290219
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.22 J**	**2.0**	**ug/L**	**SW846 8260B**
Acetone	**0.66 J**	**10**	**ug/L**	**SW846 8260B**
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	106	(80 - 120)
Toluene-d8	110	(80 - 120)
Bromofluorobenzene	111	(72 - 135)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J100121 Work Order #...: EL9AN1AA 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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J100121 **Work Order #...:** EL9AN1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J170000-219 EL9AN1AD-LCSD
Prep Date.....: 10/17/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1290219
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**10.0**	**8.69**	**ug/L**	**87**		**SW846 8260B**
	10.0	**8.94**	**ug/L**	**89**	**2.9**	**SW846 8260B**
Trichloroethene	**10.0**	**9.70**	**ug/L**	**97**		**SW846 8260B**
	10.0	**10.2**	**ug/L**	**102**	**5.1**	**SW846 8260B**
Benzene	**10.0**	**9.82**	**ug/L**	**98**		**SW846 8260B**
	10.0	**10.2**	**ug/L**	**102**	**4.2**	**SW846 8260B**
Toluene	**10.0**	**10.3**	**ug/L**	**103**		**SW846 8260B**
	10.0	**10.5**	**ug/L**	**105**	**1.9**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.86**	**ug/L**	**99**		**SW846 8260B**
	10.0	**10.1**	**ug/L**	**101**	**2.8**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
	103	(80 - 120)
1,2-Dichloroethane-d4	105	(80 - 120)
	106	(80 - 120)
Toluene-d8	111	(80 - 120)
	110	(80 - 120)
Bromofluorobenzene	108	(72 - 135)
	109	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J100121 Work Order #...: EL9AN1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J170000-219 EL9AN1AD-LCSD
Prep Date.....: 10/17/01 Analysis Date..: 10/17/01
Prep Batch #...: 1290219
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**87**	**(69 - 120)**			**SW846 8260B**
	89	**(69 - 120)**	**2.9**	**(0-26)**	**SW846 8260B**
Trichloroethene	**97**	**(76 - 120)**			**SW846 8260B**
	102	**(76 - 120)**	**5.1**	**(0-17)**	**SW846 8260B**
Benzene	**98**	**(76 - 120)**			**SW846 8260B**
	102	**(76 - 120)**	**4.2**	**(0-19)**	**SW846 8260B**
Toluene	**103**	**(77 - 120)**			**SW846 8260B**
	105	**(77 - 120)**	**1.9**	**(0-17)**	**SW846 8260B**
Chlorobenzene	**99**	**(75 - 120)**			**SW846 8260B**
	101	**(75 - 120)**	**2.8**	**(0-17)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
	103	(80 - 120)
1,2-Dichloroethane-d4	105	(80 - 120)
	106	(80 - 120)
Toluene-d8	111	(80 - 120)
	110	(80 - 120)
Bromofluorobenzene	108	(72 - 135)
	109	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

TCLP GC/MS Volatiles

Client Lot #...: H1J100121 **Work Order #...:** EL7V21AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J160000-310
Leach Date.....: 10/16/01 **Prep Date.....:** 10/19/01 **Analysis Date..:** 10/19/01
Leach Batch #..: P128910 **Prep Batch #...:** 1292206
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.050	mg/L	SW846 8260B
Carbon tetrachloride	ND	0.050	mg/L	SW846 8260B
Chlorobenzene	ND	0.050	mg/L	SW846 8260B
Chloroform	ND	0.050	mg/L	SW846 8260B
1,2-Dichloroethane	ND	0.050	mg/L	SW846 8260B
1,1-Dichloroethylene	ND	0.050	mg/L	SW846 8260B
Methyl ethyl ketone	ND	0.20	mg/L	SW846 8260B
Tetrachloroethylene	ND	0.050	mg/L	SW846 8260B
Trichloroethylene	ND	0.050	mg/L	SW846 8260B
Vinyl chloride	ND	0.10	mg/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(77 - 123)
1,2-Dichloroethane-d4	99	(80 - 122)
Toluene-d8	104	(80 - 120)
Bromofluorobenzene	99	(74 - 137)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J100121 **Work Order #...:** EME8L1AA **Matrix.....:** SOLID
LCS Lot-Sample#: H1J190000-206
Prep Date.....: 10/19/01 **Analysis Date..:** 10/19/01
Prep Batch #...: 1292206
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**0.200**	**0.195**	**mg/L**	**97**	**SW846 8260B**
Carbon tetrachloride	**0.200**	**0.192**	**mg/L**	**96**	**SW846 8260B**
Chlorobenzene	**0.200**	**0.190**	**mg/L**	**95**	**SW846 8260B**
Chloroform	**0.200**	**0.181**	**mg/L**	**91**	**SW846 8260B**
1,2-Dichloroethane	**0.200**	**0.188**	**mg/L**	**94**	**SW846 8260B**
1,1-Dichloroethylene	**0.200**	**0.191**	**mg/L**	**96**	**SW846 8260B**
Methyl ethyl ketone	**0.800**	**0.597**	**mg/L**	**75**	**SW846 8260B**
Tetrachloroethylene	**0.200**	**0.221**	**mg/L**	**110**	**SW846 8260B**
Trichloroethylene	**0.200**	**0.185**	**mg/L**	**92**	**SW846 8260B**
Vinyl chloride	**0.200**	**0.190**	**mg/L**	**95**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(77 - 123)
1,2-Dichloroethane-d4	99	(80 - 122)
Toluene-d8	104	(80 - 120)
Bromofluorobenzene	94	(74 - 137)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J100121 Work Order #...: EME8L1AA Matrix.....: SOLID
LCS Lot-Sample#: H1J190000-206
Prep Date.....: 10/19/01 Analysis Date..: 10/19/01
Prep Batch #...: 1292206
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**97**	**(74 - 120)**	**SW846 8260B**
Carbon tetrachloride	**96**	**(64 - 134)**	**SW846 8260B**
Chlorobenzene	**95**	**(76 - 120)**	**SW846 8260B**
Chloroform	**91**	**(74 - 120)**	**SW846 8260B**
1,2-Dichloroethane	**94**	**(70 - 125)**	**SW846 8260B**
1,1-Dichloroethylene	**96**	**(74 - 120)**	**SW846 8260B**
Methyl ethyl ketone	**75**	**(39 - 138)**	**SW846 8260B**
Tetrachloroethylene	**110**	**(74 - 120)**	**SW846 8260B**
Trichloroethylene	**92**	**(76 - 120)**	**SW846 8260B**
Vinyl chloride	**95**	**(66 - 120)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(77 - 123)
1,2-Dichloroethane-d4	99	(80 - 122)
Toluene-d8	104	(80 - 120)
Bromofluorobenzene	94	(74 - 137)

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: BD3037

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-001 Work Order #...: ELV821A5 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01
Prep Date.....: 10/13/01 Analysis Date..: 10/23/01
Prep Batch #...: 1285258
Dilution Factor: 10 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**13 J**	**100**	**ug/L**
bis(2-Chloroethyl)-ether	ND	100	ug/L
2-Chlorophenol	ND	100	ug/L
1,3-Dichlorobenzene	ND	100	ug/L
1,4-Dichlorobenzene	ND	100	ug/L
1,2-Dichlorobenzene	ND	100	ug/L
2-Methylphenol	ND	100	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	100	ug/L
4-Methylphenol	**9.8 J**	**100**	**ug/L**
N-Nitrosodi-n-propyl-amine	ND	100	ug/L
Hexachloroethane	ND	100	ug/L
Nitrobenzene	ND	100	ug/L
Isophorone	ND	100	ug/L
2-Nitrophenol	ND	100	ug/L
2,4-Dimethylphenol	**13 J**	**100**	**ug/L**
bis(2-Chloroethoxy) methane	ND	100	ug/L
2,4-Dichlorophenol	ND	100	ug/L
1,2,4-Trichloro-benzene	ND	100	ug/L
Naphthalene	**170**	**100**	**ug/L**
4-Chloroaniline	ND	100	ug/L
Hexachlorobutadiene	ND	100	ug/L
4-Chloro-3-methylphenol	ND	100	ug/L
2-Methylnaphthalene	**470**	**100**	**ug/L**
Hexachlorocyclopenta-diene	ND	500	ug/L
2,4,6-Trichloro-phenol	ND	100	ug/L
2,4,5-Trichloro-phenol	ND	100	ug/L
2-Chloronaphthalene	ND	100	ug/L
2-Nitroaniline	ND	500	ug/L
Dimethyl phthalate	ND	100	ug/L
Acenaphthylene	ND	100	ug/L
2,6-Dinitrotoluene	ND	100	ug/L

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3037

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-001 Work Order #...: ELV821A5 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	500	ug/L
Acenaphthene	ND	100	ug/L
2,4-Dinitrophenol	ND	500	ug/L
4-Nitrophenol	ND	500	ug/L
Dibenzofuran	**12 J**	**100**	**ug/L**
2,4-Dinitrotoluene	ND	100	ug/L
Diethyl phthalate	ND	100	ug/L
4-Chlorophenyl phenyl ether	ND	100	ug/L
Fluorene	**28 J**	**100**	**ug/L**
4-Nitroaniline	ND	500	ug/L
4,6-Dinitro-2-methylphenol	ND	500	ug/L
N-Nitrosodiphenylamine	ND	100	ug/L
4-Bromophenyl phenyl ether	ND	100	ug/L
Hexachlorobenzene	ND	100	ug/L
Pentachlorophenol	ND	500	ug/L
Phenanthrene	**74 J**	**100**	**ug/L**
Anthracene	ND	100	ug/L
Carbazole	ND	100	ug/L
Di-n-butyl phthalate	ND	100	ug/L
Fluoranthene	ND	100	ug/L
Pyrene	ND	100	ug/L
Butyl benzyl phthalate	ND	100	ug/L
3,3'-Dichlorobenzidine	ND	500	ug/L
Benzo(a)anthracene	ND	100	ug/L
Chrysene	**15 J**	**100**	**ug/L**
bis(2-Ethylhexyl) phthalate	**8.6 J**	**100**	**ug/L**
Di-n-octyl phthalate	ND	100	ug/L
Benzo(b)fluoranthene	ND	100	ug/L
Benzo(k)fluoranthene	ND	100	ug/L
Benzo(a)pyrene	ND	100	ug/L
Indeno(1,2,3-cd)pyrene	ND	100	ug/L
Dibenz(a,h)anthracene	ND	100	ug/L
Benzo(ghi)perylene	ND	100	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(29 - 110)
Phenol-d5	NC,DIL	(41 - 115)
Nitrobenzene-d5	NC,DIL	(46 - 117)
2-Fluorobiphenyl	NC,DIL	(44 - 116)
2,4,6-Tribromophenol	NC,DIL	(31 - 138)
Terphenyl-d14	NC,DIL	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3037

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-001 Work Order #...: ELV821A5 Matrix.....: WATER

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3037

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-001 Work Order #...: ELV822A5 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01
Prep Date.....: 10/23/01 Analysis Date..: 10/25/01
Prep Batch #...: 1296248
Dilution Factor: 30 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	300	ug/L
bis(2-Chloroethyl)-ether	ND	300	ug/L
2-Chlorophenol	ND	300	ug/L
1,3-Dichlorobenzene	ND	300	ug/L
1,4-Dichlorobenzene	ND	300	ug/L
1,2-Dichlorobenzene	ND	300	ug/L
2-Methylphenol	ND	300	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	300	ug/L
4-Methylphenol	ND	300	ug/L
N-Nitrosodi-n-propyl-amine	ND	300	ug/L
Hexachloroethane	ND	300	ug/L
Nitrobenzene	ND	300	ug/L
Isophorone	ND	300	ug/L
2-Nitrophenol	ND	300	ug/L
2,4-Dimethylphenol	ND	300	ug/L
bis(2-Chloroethoxy) methane	ND	300	ug/L
2,4-Dichlorophenol	ND	300	ug/L
1,2,4-Trichloro-benzene	ND	300	ug/L
Naphthalene	**220 J**	**300**	**ug/L**
4-Chloroaniline	ND	300	ug/L
Hexachlorobutadiene	ND	300	ug/L
4-Chloro-3-methylphenol	ND	300	ug/L
2-Methylnaphthalene	**690**	**300**	**ug/L**
Hexachlorocyclopenta-diene	ND	1500	ug/L
2,4,6-Trichloro-phenol	ND	300	ug/L
2,4,5-Trichloro-phenol	ND	300	ug/L
2-Chloronaphthalene	ND	300	ug/L
2-Nitroaniline	ND	1500	ug/L
Dimethyl phthalate	ND	300	ug/L
Acenaphthylene	ND	300	ug/L
2,6-Dinitrotoluene	ND	300	ug/L

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3037

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-001 Work Order #...: ELV822A5 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	1500	ug/L
Acenaphthene	ND	300	ug/L
2,4-Dinitrophenol	ND	1500	ug/L
4-Nitrophenol	ND	1500	ug/L
Dibenzofuran	ND	300	ug/L
2,4-Dinitrotoluene	ND	300	ug/L
Diethyl phthalate	ND	300	ug/L
4-Chlorophenyl phenyl ether	ND	300	ug/L
Fluorene	**50 J**	**300**	**ug/L**
4-Nitroaniline	ND	1500	ug/L
4,6-Dinitro-2-methylphenol	ND	1500	ug/L
N-Nitrosodiphenylamine	ND	300	ug/L
4-Bromophenyl phenyl ether	ND	300	ug/L
Hexachlorobenzene	ND	300	ug/L
Pentachlorophenol	ND	1500	ug/L
Phenanthrene	**100 J**	**300**	**ug/L**
Anthracene	ND	300	ug/L
Carbazole	ND	300	ug/L
Di-n-butyl phthalate	ND	300	ug/L
Fluoranthene	ND	300	ug/L
Pyrene	ND	300	ug/L
Butyl benzyl phthalate	ND	300	ug/L
3,3'-Dichlorobenzidine	ND	1500	ug/L
Benzo(a)anthracene	ND	300	ug/L
Chrysene	**43 J**	**300**	**ug/L**
bis(2-Ethylhexyl) phthalate	ND	300	ug/L
Di-n-octyl phthalate	ND	300	ug/L
Benzo(b)fluoranthene	ND	300	ug/L
Benzo(k)fluoranthene	ND	300	ug/L
Benzo(a)pyrene	ND	300	ug/L
Indeno(1,2,3-cd)pyrene	ND	300	ug/L
Dibenz(a,h)anthracene	ND	300	ug/L
Benzo(ghi)perylene	ND	300	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(29 - 110)
Phenol-d5	NC,DIL	(41 - 115)
Nitrobenzene-d5	NC,DIL	(46 - 117)
2-Fluorobiphenyl	NC,DIL	(44 - 116)
2,4,6-Tribromophenol	NC,DIL	(31 - 138)
Terphenyl-d14	NC,DIL	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3037

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-001 Work Order #...: ELV822A5 Matrix.....: WATER

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3032

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-002 Work Order #...: ELV831A5 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01
Prep Date.....: 10/13/01 Analysis Date..: 10/23/01
Prep Batch #...: 1285258
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**1.3 J**	**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-propyl-amine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	**3.1 J**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
Naphthalene	**17**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**24**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3032

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-002 Work Order #...: ELV831A5 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	**1.4 J**	**10**	**ug/L**
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**2.9 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	47	(29 - 110)
Phenol-d5	58	(41 - 115)
Nitrobenzene-d5	61	(46 - 117)
2-Fluorobiphenyl	63	(44 - 116)
2,4,6-Tribromophenol	90	(31 - 138)
Terphenyl-d14	73	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3032

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-002 Work Order #...: ELV831A5 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3032

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-002 Work Order #...: ELV832A5 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01
Prep Date.....: 10/23/01 Analysis Date..: 10/25/01
Prep Batch #...: 1296248
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**1.4 J**	**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	**0.99 J**	**10**	**ug/L**
N-Nitrosodi-n-propyl-amine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	**3.3 J**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
Naphthalene	**20**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**29**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3032

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-002 Work Order #...: ELV832A5 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	**1.7 J**	**10**	**ug/L**
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**3.1 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Flucrophenol	44	(29 - 110)
Phenol-d5	60	(41 - 115)
Nitrobenzene-d5	69	(46 - 117)
2-Fluorobiphenyl	76	(44 - 116)
2,4,6-Tribromophenol	101	(31 - 138)
Terphenyl-d14	87	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3032

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-002 Work Order #...: ELV832A5 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3029

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-003 Work Order #...: ELV861AG Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01
Prep Date.....: 10/13/01 Analysis Date..: 10/23/01
Prep Batch #...: 1285258
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**1.4 J**	**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-propyl-amine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	**1.1 J**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
Naphthalene	**2.9 J**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**3.6 J**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3029

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-003 Work Order #...: ELV861AG Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(29 - 110)
Phenol-d5	73	(41 - 115)
Nitrobenzene-d5	75	(46 - 117)
2-Fluorobiphenyl	75	(44 - 116)
2,4,6-Tribromophenol	99	(31 - 138)
Terphenyl-d14	91	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3029

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-003 Work Order #...: ELV861AG Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3029

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-003 Work Order #...: ELV862AG Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01
Prep Date.....: 10/23/01 Analysis Date..: 10/25/01
Prep Batch #...: 1296248
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**1.4 J**	**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-propyl-amine	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	**0.88 J**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
Naphthalene	**3.4 J**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**4.2 J**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3029

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-003 Work Order #...: ELV862AG Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(29 - 110)
Phenol-d5	83	(41 - 115)
Nitrobenzene-d5	91	(46 - 117)
2-Fluorobiphenyl	86	(44 - 116)
2,4,6-Tribromophenol	105	(31 - 138)
Terphenyl-d14	93	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3029

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-003 Work Order #...: ELV862AG Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3028

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-004 Work Order #...: ELV871AG Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01
Prep Date.....: 10/13/01 Analysis Date..: 10/23/01
Prep Batch #...: 1285258
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**80**	**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	**25**	**10**	**ug/L**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	**21**	**10**	**ug/L**
N-Nitrosodi-n-propyl-amine	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	**42**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
Naphthalene	**21**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**22**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3028

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-004 Work Order #...: ELV871AG Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
Diethyl phthalate	**1.2 J**	**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	**0.64 J**	**10**	**ug/L**
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	**1.3 J**	**10**	**ug/L**
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	**1.1 J**	**10**	**ug/L**
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	**1.5 J**	**10**	**ug/L**
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**7.1 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(29 - 110)
Phenol-d5	68	(41 - 115)
Nitrobenzene-d5	83	(46 - 117)
2-Fluorobiphenyl	76	(44 - 116)
2,4,6-Tribromophenol	98	(31 - 138)
Terphenyl-d14	82	(36 - 134)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3028

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-004 Work Order #...: ELV871AG Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3028

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-004 Work Order #...: ELV872AG Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01
Prep Date.....: 10/23/01 Analysis Date..: 10/25/01
Prep Batch #...: 1296248
Dilution Factor: 1.34 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**120**	**13**	**ug/L**
bis(2-Chloroethyl)-ether	ND	13	ug/L
2-Chlorophenol	ND	13	ug/L
1,3-Dichlorobenzene	ND	13	ug/L
1,4-Dichlorobenzene	ND	13	ug/L
1,2-Dichlorobenzene	ND	13	ug/L
2-Methylphenol	**19**	**13**	**ug/L**
2,2'-oxybis(1-Chloro-propane)	ND	13	ug/L
4-Methylphenol	**11 J**	**13**	**ug/L**
N-Nitrosodi-n-propyl-amine	ND	13	ug/L
Hexachloroethane	ND	13	ug/L
Nitrobenzene	ND	13	ug/L
Isophorone	ND	13	ug/L
2-Nitrophenol	ND	13	ug/L
2,4-Dimethylphenol	**39**	**13**	**ug/L**
bis(2-Chloroethoxy) methane	ND	13	ug/L
2,4-Dichlorophenol	ND	13	ug/L
1,2,4-Trichloro-benzene	ND	13	ug/L
Naphthalene	**3.9 J**	**13**	**ug/L**
4-Chloroaniline	ND	13	ug/L
Hexachlorobutadiene	ND	13	ug/L
4-Chloro-3-methylphenol	ND	13	ug/L
2-Methylnaphthalene	**5.7 J**	**13**	**ug/L**
Hexachlorocyclopenta-diene	ND	67	ug/L
2,4,6-Trichloro-phenol	ND	13	ug/L
2,4,5-Trichloro-phenol	ND	13	ug/L
2-Chloronaphthalene	ND	13	ug/L
2-Nitroaniline	ND	67	ug/L
Dimethyl phthalate	ND	13	ug/L
Acenaphthylene	ND	13	ug/L
2,6-Dinitrotoluene	ND	13	ug/L

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3028

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-004 Work Order #...: ELV872AG Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	67	ug/L
Acenaphthene	ND	13	ug/L
2,4-Dinitrophenol	ND	67	ug/L
4-Nitrophenol	ND	67	ug/L
Dibenzofuran	ND	13	ug/L
2,4-Dinitrotoluene	ND	13	ug/L
Diethyl phthalate	**1.3 J**	**13**	**ug/L**
4-Chlorophenyl phenyl ether	ND	13	ug/L
Fluorene	ND	13	ug/L
4-Nitroaniline	ND	67	ug/L
4,6-Dinitro-2-methylphenol	ND	67	ug/L
N-Nitrosodiphenylamine	ND	13	ug/L
4-Bromophenyl phenyl ether	ND	13	ug/L
Hexachlorobenzene	ND	13	ug/L
Pentachlorophenol	ND	67	ug/L
Phenanthrene	**1.2 J**	**13**	**ug/L**
Anthracene	ND	13	ug/L
Carbazole	ND	13	ug/L
Di-n-butyl phthalate	**1.2 J**	**13**	**ug/L**
Fluoranthene	ND	13	ug/L
Pyrene	ND	13	ug/L
Butyl benzyl phthalate	ND	13	ug/L
3,3'-Dichlorobenzidine	ND	67	ug/L
Benzo(a)anthracene	ND	13	ug/L
Chrysene	ND	13	ug/L
bis(2-Ethylhexyl) phthalate	**6.6 J**	**13**	**ug/L**
Di-n-octyl phthalate	ND	13	ug/L
Benzo(b)fluoranthene	ND	13	ug/L
Benzo(k)fluoranthene	ND	13	ug/L
Benzo(a)pyrene	ND	13	ug/L
Indeno(1,2,3-cd)pyrene	ND	13	ug/L
Dibenz(a,h)anthracene	ND	13	ug/L
Benzo(ghi)perylene	ND	13	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(29 - 110)
Phenol-d5	66	(41 - 115)
Nitrobenzene-d5	89	(46 - 117)
2-Fluorobiphenyl	80	(44 - 116)
2,4,6-Tribromophenol	98	(31 - 138)
Terphenyl-d14	85	(36 - 134)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3028

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-004 Work Order #...: ELV872AG Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3019

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-005 Work Order #...: ELV881AG Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01
Prep Date.....: 10/13/01 Analysis Date..: 10/23/01
Prep Batch #...: 1285258
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**12**	**10**	**ug/L**
bis(2-Chloroethyl)-ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	**3.3 J**	**10**	**ug/L**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	**4.2 J**	**10**	**ug/L**
N-Nitrosodi-n-propyl-amine	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	**5.6 J**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
Naphthalene	**24**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**25**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3019

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-005 Work Order #...: ELV881AG Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	**0.98 J**	**10**	**ug/L**
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**2.2 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(29 - 110)
Phenol-d5	80	(41 - 115)
Nitrobenzene-d5	79	(46 - 117)
2-Fluorobiphenyl	73	(44 - 116)
2,4,6-Tribromophenol	96	(31 - 138)
Terphenyl-d14	81	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3019

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-005 Work Order #...: ELV881AG Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3019

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-005 Work Order #...: ELV882AG Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01
Prep Date.....: 10/23/01 Analysis Date..: 10/25/01
Prep Batch #...: 1296248
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**12**	**10**	**ug/L**
bis(2-Chloroethyl)-ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	**3.6 J**	**10**	**ug/L**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	**4.6 J**	**10**	**ug/L**
N-Nitrosodi-n-propyl-amine	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	**6.7 J**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
Naphthalene	**25**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**26**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3019

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-005 Work Order #...: ELV882AG Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
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	**0.97 J**	**10**	**ug/L**
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**1.9 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(29 - 110)
Phenol-d5	83	(41 - 115)
Nitrobenzene-d5	87	(46 - 117)
2-Fluorobiphenyl	81	(44 - 116)
2,4,6-Tribromophenol	101	(31 - 138)
Terphenyl-d14	85	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3019

GC/MS Semivolatiles

Lot-Sample #...: H1J100121-005 Work Order #...: ELV882AG Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9012

TCLP GC/MS Semivolatiles

Lot-Sample #...:	H1J100121-012	Work Order #...:	ELV9P1AQ	Matrix.....:	SOLID
Date Sampled...:	10/06/01	Date Received..:	10/10/01		
Leach Date.....:	10/11/01	Prep Date.....:	10/13/01	Analysis Date..:	10/23/01
Leach Batch #..:	P128406	Prep Batch #...:	1285226		
Dilution Factor:	1				
% Moisture.....:	23	Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	ND	0.10	mg/L
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	**0.33**	**0.050**	**mg/L**
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichloro-phenol	ND	0.050	mg/L
2,4,6-Trichloro-phenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(19 - 100)
Phenol-d5	85	(15 - 124)
Nitrobenzene-d5	91	(35 - 122)
2-Fluorobiphenyl	86	(34 - 115)
2,4,6-Tribromophenol	96	(33 - 130)
Terphenyl-d14	91	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9013

TCLP GC/MS Semivolatiles

Lot-Sample #...: H1J100121-013 Work Order #...: ELV9W1AQ Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
Leach Date.....: 10/11/01 Prep Date.....: 10/13/01 Analysis Date..: 10/23/01
Leach Batch #..: P128406 Prep Batch #...: 1285226
Dilution Factor: 1
% Moisture.....: 22 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	ND	0.10	mg/L
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	**21 E**	**0.050**	**mg/L**
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichloro-phenol	ND	0.050	mg/L
2,4,6-Trichloro-phenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(19 - 100)
Phenol-d5	81	(15 - 124)
Nitrobenzene-d5	89	(35 - 122)
2-Fluorobiphenyl	86	(34 - 115)
2,4,6-Tribromophenol	91	(33 - 130)
Terphenyl-d14	90	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

E Estimated result. Result concentration exceeds the calibration range.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9013

TCLP GC/MS Semivolatiles

Lot-Sample #...:	H1J100121-013	Work Order #...:	ELV9W2AQ	Matrix.....:	SOLID
Date Sampled...:	10/06/01	Date Received..:	10/10/01		
Leach Date.....:	10/11/01	Prep Date.....:	10/13/01	Analysis Date..:	10/24/01
Leach Batch #..:	P128406	Prep Batch #...:	1285226		
Dilution Factor:	75				
% Moisture.....:	22	Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2,4-Dinitrotoluene	38 D	3.8	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(19 - 100)
Phenol-d5	NC,DIL	(15 - 124)
Nitrobenzene-d5	NC,DIL	(35 - 122)
2-Fluorobiphenyl	NC,DIL	(34 - 115)
2,4,6-Tribromophenol	NC,DIL	(33 - 130)
Terphenyl-d14	NC,DIL	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

NC The recovery and/or RPD were not calculated.

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

D Result was obtained from the analysis of a dilution.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9014

TCLP GC/MS Semivolatiles

Lot-Sample #...:	H1J100121-014	Work Order #...:	ELV9X1AQ	Matrix.....:	SOLID
Date Sampled...:	10/06/01	Date Received..:	10/10/01		
Leach Date.....:	10/16/01	Prep Date.....:	10/18/01	Analysis Date..:	10/22/01
Leach Batch #..:	P128909	Prep Batch #...:	1290130		
Dilution Factor:	1				
% Moisture.....:	9.8	Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	ND	0.10	mg/L
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	**0.071**	**0.050**	**mg/L**
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichloro-phenol	ND	0.050	mg/L
2,4,6-Trichloro-phenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	79	(19 - 100)
Phenol-d5	89	(15 - 124)
Nitrobenzene-d5	97	(35 - 122)
2-Fluorobiphenyl	90	(34 - 115)
2,4,6-Tribromophenol	97	(33 - 130)
Terphenyl-d14	92	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9015

TCLP GC/MS Semivolatiles

Lot-Sample #...:	H1J100121-015	**Work Order #...:**	ELV901AQ	**Matrix.....:**	SOLID
Date Sampled...:	10/06/01	**Date Received..:**	10/10/01		
Leach Date.....:	10/11/01	**Prep Date.....:**	10/13/01	**Analysis Date..:**	10/24/01
Leach Batch #..:	P128406	**Prep Batch #...:**	1285226		
Dilution Factor:	1				
% Moisture.....:	24	**Method.....:**	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	ND	0.10	mg/L
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	**0.17**	**0.050**	**mg/L**
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichloro-phenol	ND	0.050	mg/L
2,4,6-Trichloro-phenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	77	(19 - 100)
Phenol-d5	87	(15 - 124)
Nitrobenzene-d5	93	(35 - 122)
2-Fluorobiphenyl	86	(34 - 115)
2,4,6-Tribromophenol	98	(33 - 130)
Terphenyl-d14	86	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9016

TCLP GC/MS Semivolatiles

Lot-Sample #...:	H1J100121-016	Work Order #...:	ELV921AQ	Matrix.....:	SOLID
Date Sampled...:	10/06/01	Date Received..:	10/10/01		
Leach Date.....:	10/16/01	Prep Date.....:	10/18/01	Analysis Date..:	10/22/01
Leach Batch #..:	P128909	Prep Batch #...:	1290130		
Dilution Factor:	1				
% Moisture.....:	21	Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	ND	0.10	mg/L
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	ND	0.050	mg/L
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichloro-phenol	ND	0.050	mg/L
2,4,6-Trichloro-phenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	82	(19 - 100)
Phenol-d5	93	(15 - 124)
Nitrobenzene-d5	97	(35 - 122)
2-Fluorobiphenyl	93	(34 - 115)
2,4,6-Tribromophenol	99	(33 - 130)
Terphenyl-d14	97	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9017

TCLP GC/MS Semivolatiles

Lot-Sample #...:	H1J100121-017	Work Order #...:	ELV931AQ	Matrix.....:	SOLID
Date Sampled...:	10/06/01	Date Received..:	10/10/01		
Leach Date.....:	10/16/01	Prep Date.....:	10/18/01	Analysis Date..:	10/22/01
Leach Batch #..:	P128909	Prep Batch #...:	1290130		
Dilution Factor:	1				
% Moisture.....:	56	Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	**0.014 J**	**0.10**	**mg/L**
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	ND	0.050	mg/L
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichloro-phenol	ND	0.050	mg/L
2,4,6-Trichloro-phenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	79	(19 - 100)
Phenol-d5	89	(15 - 124)
Nitrobenzene-d5	93	(35 - 122)
2-Fluorobiphenyl	88	(34 - 115)
2,4,6-Tribromophenol	100	(33 - 130)
Terphenyl-d14	92	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9018

TCLP GC/MS Semivolatiles

Lot-Sample #...:	H1J100121-018	Work Order #...:	ELV941AQ	Matrix.....:	SOLID
Date Sampled...:	10/06/01	Date Received..:	10/10/01		
Leach Date.....:	10/11/01	Prep Date.....:	10/13/01	Analysis Date..:	10/23/01
Leach Batch #..:	P128406	Prep Batch #...:	1285226		
Dilution Factor:	1				
% Moisture.....:	27	Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	ND	0.10	mg/L
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	ND	0.050	mg/L
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichloro-phenol	ND	0.050	mg/L
2,4,6-Trichloro-phenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(19 - 100)
Phenol-d5	84	(15 - 124)
Nitrobenzene-d5	91	(35 - 122)
2-Fluorobiphenyl	83	(34 - 115)
2,4,6-Tribromophenol	96	(33 - 130)
Terphenyl-d14	95	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9019

TCLP GC/MS Semivolatiles

Lot-Sample #...:	H1J100121-019	Work Order #...:	ELV951AQ	Matrix.....:	SOLID
Date Sampled...:	10/06/01	Date Received..:	10/10/01		
Leach Date.....:	10/11/01	Prep Date.....:	10/13/01	Analysis Date..:	10/23/01
Leach Batch #..:	P128406	Prep Batch #...:	1285226		
Dilution Factor:	1				
% Moisture.....:	52	Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	ND	0.10	mg/L
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	ND	0.050	mg/L
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichloro-phenol	ND	0.050	mg/L
2,4,6-Trichloro-phenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	80	(19 - 100)
Phenol-d5	83	(15 - 124)
Nitrobenzene-d5	89	(35 - 122)
2-Fluorobiphenyl	85	(34 - 115)
2,4,6-Tribromophenol	88	(33 - 130)
Terphenyl-d14	93	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9020

TCLP GC/MS Semivolatiles

Lot-Sample #...: H1J100121-020 Work Order #...: ELV961AQ Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
Leach Date.....: 10/11/01 Prep Date.....: 10/13/01 Analysis Date..: 10/23/01
Leach Batch #..: P128406 Prep Batch #...: 1285226
Dilution Factor: 1
% Moisture.....: 15 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	ND	0.10	mg/L
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	ND	0.050	mg/L
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichloro-phenol	ND	0.050	mg/L
2,4,6-Trichloro-phenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	76	(19 - 100)
Phenol-d5	84	(15 - 124)
Nitrobenzene-d5	94	(35 - 122)
2-Fluorobiphenyl	88	(34 - 115)
2,4,6-Tribromophenol	89	(33 - 130)
Terphenyl-d14	98	(28 - 132)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

METHOD BLANK REPORT

TCLP GC/MS Semivolatiles

Client Lot #...: H1J100121 Work Order #...: EL1HR1AK Matrix.....: SOLID
MB Lot-Sample #: H1J110000-458
Leach Date.....: 10/11/01 Prep Date.....: 10/13/01 Analysis Date..: 10/17/01
Leach Batch #..: P128406 Prep Batch #...: 1285226
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
o-Cresol	ND	0.050	mg/L	SW846 8270C
m-Cresol & p-Cresol	ND	0.10	mg/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.050	mg/L	SW846 8270C
2,4-Dinitrotoluene	ND	0.050	mg/L	SW846 8270C
Hexachlorobenzene	ND	0.050	mg/L	SW846 8270C
Hexachlorobutadiene	ND	0.050	mg/L	SW846 8270C
Hexachloroethane	ND	0.050	mg/L	SW846 8270C
Nitrobenzene	ND	0.050	mg/L	SW846 8270C
Pentachlorophenol	ND	0.25	mg/L	SW846 8270C
Pyridine	ND	0.10	mg/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	0.050	mg/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	0.050	mg/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(19 - 100)
Phenol-d5	86	(15 - 124)
Nitrobenzene-d5	89	(35 - 122)
2-Fluorobiphenyl	85	(34 - 115)
2,4,6-Tribromophenol	89	(33 - 130)
Terphenyl-d14	90	(28 - 132)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J100121 Work Order #...: EL2021AA Matrix.....: SOLID
LCS Lot-Sample#: H1J120000-226
Prep Date.....: 10/13/01 Analysis Date..: 10/17/01
Prep Batch #...: 1285226
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
o-Cresol	0.500	0.414	mg/L	83	SW846 8270C
m-Cresol & p-Cresol	1.00	0.782	mg/L	78	SW846 8270C
1,4-Dichlorobenzene	0.500	0.407	mg/L	81	SW846 8270C
2,4-Dinitrotoluene	0.500	0.457	mg/L	91	SW846 8270C
Hexachlorobenzene	0.500	0.422	mg/L	84	SW846 8270C
Hexachlorobutadiene	0.500	0.377	mg/L	75	SW846 8270C
Hexachloroethane	0.500	0.417	mg/L	83	SW846 8270C
Nitrobenzene	0.500	0.418	mg/L	84	SW846 8270C
Pentachlorophenol	0.500	0.465	mg/L	93	SW846 8270C
Pyridine	0.500	0.380	mg/L	76	SW846 8270C
2,4,5-Trichloro-phenol	0.500	0.456	mg/L	91	SW846 8270C
2,4,6-Trichloro-phenol	0.500	0.454	mg/L	91	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	80	(19 - 100)
Phenol-d5	88	(15 - 124)
Nitrobenzene-d5	85	(35 - 122)
2-Fluorobiphenyl	87	(34 - 115)
2,4,6-Tribromophenol	94	(33 - 130)
Terphenyl-d14	93	(28 - 132)

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 #...: H1J100121 Work Order #...: EL2021AA Matrix.....: SOLID
LCS Lot-Sample#: H1J120000-226
Prep Date.....: 10/13/01 Analysis Date..: 10/17/01
Prep Batch #...: 1285226
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
o-Cresol	**83**	**(34 - 118)**	**SW846 8270C**
m-Cresol & p-Cresol	**78**	**(29 - 134)**	**SW846 8270C**
1,4-Dichlorobenzene	**81**	**(34 - 104)**	**SW846 8270C**
2,4-Dinitrotoluene	**91**	**(47 - 122)**	**SW846 8270C**
Hexachlorobenzene	**84**	**(42 - 139)**	**SW846 8270C**
Hexachlorobutadiene	**75**	**(28 - 105)**	**SW846 8270C**
Hexachloroethane	**83**	**(24 - 103)**	**SW846 8270C**
Nitrobenzene	**84**	**(30 - 135)**	**SW846 8270C**
Pentachlorophenol	**93**	**(29 - 124)**	**SW846 8270C**
Pyridine	**76**	**(10 - 128)**	**SW846 8270C**
2,4,5-Trichloro-phenol	**91**	**(43 - 124)**	**SW846 8270C**
2,4,6-Trichloro-phenol	**91**	**(42 - 114)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	80	(19 - 100)
Phenol-d5	88	(15 - 124)
Nitrobenzene-d5	85	(35 - 122)
2-Fluorobiphenyl	87	(34 - 115)
2,4,6-Tribromophenol	94	(33 - 130)
Terphenyl-d14	93	(28 - 132)

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 #...: H1J100121 Work Order #...: EL3CD1AA Matrix.....: WATER
MB Lot-Sample #: H1J120000-258

Prep Date.....: 10/13/01
Analysis Date..: 10/22/01 Prep Batch #...: 1285258
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J100121 Work Order #...: EL3CD1AA Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(29 - 110)
Phenol-d5	79	(41 - 115)
Nitrobenzene-d5	84	(46 - 117)
2-Fluorobiphenyl	81	(44 - 116)
2,4,6-Tribromophenol	82	(31 - 138)
Terphenyl-d14	86	(36 - 134)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J100121 Work Order #...: EL3CD1AA Matrix.....: WATER

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J100121 Work Order #...: EL3CD1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J120000-258 EL3CD1AD-LCSD
Prep Date.....: 10/13/01 Analysis Date..: 10/22/01
Prep Batch #...: 1285258
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Phenol	100	75.5	ug/L	76		SW846 8270C
	100	76.2	ug/L	76	0.92	SW846 8270C
2-Chlorophenol	100	78.3	ug/L	78		SW846 8270C
	100	78.4	ug/L	78	0.12	SW846 8270C
1,4-Dichlorobenzene	100	76.1	ug/L	76		SW846 8270C
	100	77.4	ug/L	77	1.7	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	74.0	ug/L	74		SW846 8270C
	100	74.9	ug/L	75	1.2	SW846 8270C
1,2,4-Trichloro-benzene	100	80.1	ug/L	80		SW846 8270C
	100	78.8	ug/L	79	1.6	SW846 8270C
4-Chloro-3-methylphenol	100	86.5	ug/L	86		SW846 8270C
	100	87.0	ug/L	87	0.57	SW846 8270C
Acenaphthene	100	72.3	ug/L	72		SW846 8270C
	100	71.4	ug/L	71	1.2	SW846 8270C
4-Nitrophenol	100	89.3	ug/L	89		SW846 8270C
	100	92.5	ug/L	92	3.5	SW846 8270C
2,4-Dinitrotoluene	100	102	ug/L	102		SW846 8270C
	100	103	ug/L	103	0.97	SW846 8270C
Pentachlorophenol	100	83.8	ug/L	84		SW846 8270C
	100	86.5	ug/L	86	3.2	SW846 8270C
Pyrene	100	74.0 a	ug/L	74		SW846 8270C
	100	73.7 a	ug/L	74	0.40	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(29 - 110)
	74	(29 - 110)
Phenol-d5	79	(41 - 115)
	79	(41 - 115)
Nitrobenzene-d5	84	(46 - 117)
	85	(46 - 117)
2-Fluorobiphenyl	83	(44 - 116)
	80	(44 - 116)
2,4,6-Tribromophenol	90	(31 - 138)
	91	(31 - 138)
Terphenyl-d14	88	(36 - 134)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J100121 Work Order #...: EL3CD1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J120000-258 EL3CD1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	89	(36 - 134)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J100121
LCS Lot-Sample#: H1J120000-258
Prep Date.....: 10/13/01
Prep Batch #...: 1285258
Dilution Factor: 1

Work Order #...: EL3CD1AC-LCS
EL3CD1AD-LCSD
Analysis Date..: 10/22/01

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	76	(61 - 111)			SW846 8270C
	76	(61 - 111)	0.92	(0-39)	SW846 8270C
2-Chlorophenol	78	(61 - 110)			SW846 8270C
	78	(61 - 110)	0.12	(0-41)	SW846 8270C
1,4-Dichlorobenzene	76	(49 - 110)			SW846 8270C
	77	(49 - 110)	1.7	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	74	(62 - 117)			SW846 8270C
	75	(62 - 117)	1.2	(0-31)	SW846 8270C
1,2,4-Trichloro-benzene	80	(64 - 109)			SW846 8270C
	79	(64 - 109)	1.6	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	86	(70 - 109)			SW846 8270C
	87	(70 - 109)	0.57	(0-28)	SW846 8270C
Acenaphthene	72	(69 - 107)			SW846 8270C
	71	(69 - 107)	1.2	(0-29)	SW846 8270C
4-Nitrophenol	89	(59 - 120)			SW846 8270C
	92	(59 - 120)	3.5	(0-30)	SW846 8270C
2,4-Dinitrotoluene	102	(77 - 118)			SW846 8270C
	103	(77 - 118)	0.97	(0-29)	SW846 8270C
Pentachlorophenol	84	(38 - 124)			SW846 8270C
	86	(38 - 124)	3.2	(0-41)	SW846 8270C
Pyrene	74 a	(75 - 125)			SW846 8270C
	74 a	(75 - 125)	0.40	(0-26)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(29 - 110)
	74	(29 - 110)
Phenol-d5	79	(41 - 115)
	79	(41 - 115)
Nitrobenzene-d5	84	(46 - 117)
	85	(46 - 117)
2-Fluorobiphenyl	83	(44 - 116)
	80	(44 - 116)
2,4,6-Tribromophenol	90	(31 - 138)
	91	(31 - 138)
Terphenyl-d14	88	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J100121 Work Order #...: EL3CD1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J120000-258 EL3CD1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	89	(36 - 134)

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.

METHOD BLANK REPORT

TCLP GC/MS Semivolatiles

Client Lot #...: H1J100121
MB Lot-Sample #: H1J160000-308
Leach Date.....: 10/16/01
Leach Batch #..: P128909
Dilution Factor: 1

Work Order #...: EL7VW1AK
Prep Date.....: 10/18/01
Prep Batch #...: 1290130

Matrix.....: SOLID
Analysis Date..: 10/22/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
o-Cresol	ND	0.050	mg/L	SW846 8270C
m-Cresol & p-Cresol	ND	0.10	mg/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.050	mg/L	SW846 8270C
2,4-Dinitrotoluene	ND	0.050	mg/L	SW846 8270C
Hexachlorobenzene	ND	0.050	mg/L	SW846 8270C
Hexachlorobutadiene	ND	0.050	mg/L	SW846 8270C
Hexachloroethane	ND	0.050	mg/L	SW846 8270C
Nitrobenzene	ND	0.050	mg/L	SW846 8270C
Pentachlorophenol	ND	0.25	mg/L	SW846 8270C
Pyridine	ND	0.10	mg/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	0.050	mg/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	0.050	mg/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	82	(19 - 100)
Phenol-d5	89	(15 - 124)
Nitrobenzene-d5	96	(35 - 122)
2-Fluorobiphenyl	91	(34 - 115)
2,4,6-Tribromophenol	94	(33 - 130)
Terphenyl-d14	92	(28 - 132)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J100121 Work Order #...: EL84W1AA Matrix.....: SOLID
LCS Lot-Sample#: H1J170000-130
Prep Date.....: 10/18/01 Analysis Date..: 10/22/01
Prep Batch #...: 1290130
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
o-Cresol	0.500	0.395	mg/L	79	SW846 8270C
m-Cresol & p-Cresol	1.00	0.746	mg/L	75	SW846 8270C
1,4-Dichlorobenzene	0.500	0.402	mg/L	80	SW846 8270C
2,4-Dinitrotoluene	0.500	0.526	mg/L	105	SW846 8270C
Hexachlorobenzene	0.500	0.418	mg/L	84	SW846 8270C
Hexachlorobutadiene	0.500	0.388	mg/L	78	SW846 8270C
Hexachloroethane	0.500	0.410	mg/L	82	SW846 8270C
Nitrobenzene	0.500	0.435	mg/L	87	SW846 8270C
Pentachlorophenol	0.500	0.448	mg/L	90	SW846 8270C
Pyridine	0.500	0.396	mg/L	79	SW846 8270C
2,4,5-Trichloro-phenol	0.500	0.442	mg/L	88	SW846 8270C
2,4,6-Trichloro-phenol	0.500	0.444	mg/L	89	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(19 - 100)
Phenol-d5	84	(15 - 124)
Nitrobenzene-d5	90	(35 - 122)
2-Fluorobiphenyl	88	(34 - 115)
2,4,6-Tribromophenol	94	(33 - 130)
Terphenyl-d14	90	(28 - 132)

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 #...: H1J100121 Work Order #...: EL84W1AA Matrix.....: SOLID
LCS Lot-Sample#: H1J170000-130
Prep Date.....: 10/18/01 Analysis Date..: 10/22/01
Prep Batch #...: 1290130
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
o-Cresol	79	(34 - 118)	SW846 8270C
m-Cresol & p-Cresol	75	(29 - 134)	SW846 8270C
1,4-Dichlorobenzene	80	(34 - 104)	SW846 8270C
2,4-Dinitrotoluene	105	(47 - 122)	SW846 8270C
Hexachlorobenzene	84	(42 - 139)	SW846 8270C
Hexachlorobutadiene	78	(28 - 105)	SW846 8270C
Hexachloroethane	82	(24 - 103)	SW846 8270C
Nitrobenzene	87	(30 - 135)	SW846 8270C
Pentachlorophenol	90	(29 - 124)	SW846 8270C
Pyridine	79	(10 - 128)	SW846 8270C
2,4,5-Trichloro-phenol	88	(43 - 124)	SW846 8270C
2,4,6-Trichloro-phenol	89	(42 - 114)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(19 - 100)
Phenol-d5	84	(15 - 124)
Nitrobenzene-d5	90	(35 - 122)
2-Fluorobiphenyl	88	(34 - 115)
2,4,6-Tribromophenol	94	(33 - 130)
Terphenyl-d14	90	(28 - 132)

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 #...: H1J100121 Work Order #...: EMK8E1AA Matrix.....: WATER
MB Lot-Sample #: H1J230000-248

Prep Date.....: 10/23/01
Analysis Date..: 10/25/01 Prep Batch #...: 1296248
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J100121 Work Order #...: EMK8E1AA Matrix.....: WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(29 - 110)
Phenol-d5	80	(41 - 115)
Nitrobenzene-d5	88	(46 - 117)
2-Fluorobiphenyl	85	(44 - 116)
2,4,6-Tribromophenol	85	(31 - 138)
Terphenyl-d14	87	(36 - 134)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J100121 Work Order #...: EMK8E1AA Matrix.....: WATER

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J100121 Work Order #...: EMK8E1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J230000-248 EMK8E1AD-LCSD
Prep Date.....: 10/23/01 Analysis Date..: 10/25/01
Prep Batch #...: 1296248
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Phenol	100	80.4	ug/L	80		SW846 8270C
	100	83.7	ug/L	84	4.0	SW846 8270C
2-Chlorophenol	100	83.4	ug/L	83		SW846 8270C
	100	88.4	ug/L	88	5.8	SW846 8270C
1,4-Dichlorobenzene	100	84.5	ug/L	84		SW846 8270C
	100	86.5	ug/L	86	2.3	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	79.6	ug/L	80		SW846 8270C
	100	81.1	ug/L	81	1.9	SW846 8270C
1,2,4-Trichloro-benzene	100	87.5	ug/L	88		SW846 8270C
	100	89.3	ug/L	89	2.0	SW846 8270C
4-Chloro-3-methylphenol	100	91.2	ug/L	91		SW846 8270C
	100	90.7	ug/L	91	0.55	SW846 8270C
Acenaphthene	100	76.8	ug/L	77		SW846 8270C
	100	75.1	ug/L	75	2.2	SW846 8270C
4-Nitrophenol	100	98.7	ug/L	99		SW846 8270C
	100	104	ug/L	104	5.2	SW846 8270C
2,4-Dinitrotoluene	100	114	ug/L	114		SW846 8270C
	100	116	ug/L	116	1.7	SW846 8270C
Pentachlorophenol	100	94.7	ug/L	95		SW846 8270C
	100	103	ug/L	103	8.4	SW846 8270C
Pyrene	100	76.5	ug/L	76		SW846 8270C
	100	77.0	ug/L	77	0.65	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(29 - 110)
	80	(29 - 110)
Phenol-d5	81	(41 - 115)
	83	(41 - 115)
Nitrobenzene-d5	96	(46 - 117)
	98	(46 - 117)
2-Fluorobiphenyl	94	(44 - 116)
	91	(44 - 116)
2,4,6-Tribromophenol	100	(31 - 138)
	100	(31 - 138)
Terphenyl-d14	96	(36 - 134)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J100121 Work Order #...: EMK8E1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J230000-248 EMK8E1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	95	(36 - 134)

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 #...: H1J100121 Work Order #...: EMK8E1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J230000-248 EMK8E1AD-LCSD
Prep Date.....: 10/23/01 Analysis Date..: 10/25/01
Prep Batch #...: 1296248
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	80	(61 - 111)			SW846 8270C
	84	(61 - 111)	4.0	(0-39)	SW846 8270C
2-Chlorophenol	83	(61 - 110)			SW846 8270C
	88	(61 - 110)	5.8	(0-41)	SW846 8270C
1,4-Dichlorobenzene	84	(49 - 110)			SW846 8270C
	86	(49 - 110)	2.3	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	80	(62 - 117)			SW846 8270C
	81	(62 - 117)	1.9	(0-31)	SW846 8270C
1,2,4-Trichloro-benzene	88	(64 - 109)			SW846 8270C
	89	(64 - 109)	2.0	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	91	(70 - 109)			SW846 8270C
	91	(70 - 109)	0.55	(0-28)	SW846 8270C
Acenaphthene	77	(69 - 107)			SW846 8270C
	75	(69 - 107)	2.2	(0-29)	SW846 8270C
4-Nitrophenol	99	(59 - 120)			SW846 8270C
	104	(59 - 120)	5.2	(0-30)	SW846 8270C
2,4-Dinitrotoluene	114	(77 - 118)			SW846 8270C
	116	(77 - 118)	1.7	(0-29)	SW846 8270C
Pentachlorophenol	95	(38 - 124)			SW846 8270C
	103	(38 - 124)	8.4	(0-41)	SW846 8270C
Pyrene	76	(75 - 125)			SW846 8270C
	77	(75 - 125)	0.65	(0-26)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(29 - 110)
	80	(29 - 110)
Phenol-d5	81	(41 - 115)
	83	(41 - 115)
Nitrobenzene-d5	96	(46 - 117)
	98	(46 - 117)
2-Fluorobiphenyl	94	(44 - 116)
	91	(44 - 116)
2,4,6-Tribromophenol	100	(31 - 138)
	100	(31 - 138)
Terphenyl-d14	96	(36 - 134)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J100121 Work Order #...: EMK8E1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J230000-248 EMK8E1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	95	(36 - 134)

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: BD3037

HPLC

Lot-Sample #...: H1J100121-001 **Work Order #...:** ELV821A3 **Matrix.....:** WATER
Date Sampled...: 10/09/01 **Date Received..:** 10/10/01
Prep Date.....: 10/15/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	ug/L
RDX	ND	0.50	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND G	0.33	ug/L
Tetryl	ND	0.20	ug/L
Nitrobenzene	ND I	0.20	ug/L
2,4,6-Trinitrotoluene	ND G	1.0	ug/L
4-Amino-2,6-dinitrotoluene	**1.3**	**0.20**	**ug/L**
2-Amino-4,6-dinitrotoluene	**0.33**	**0.20**	**ug/L**
2,6-Dinitrotoluene	ND G	1.1	ug/L
2,4-Dinitrotoluene	ND G	1.8	ug/L
2-Nitrotoluene	ND G	8.1	ug/L
4-Nitrotoluene	ND G	2.6	ug/L
3-Nitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	70	(53 - 133)

NOTE(S):

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

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3032

HPLC

Lot-Sample #...: H1J100121-002 **Work Order #...:** ELV831A3 **Matrix.....:** WATER
Date Sampled...: 10/09/01 **Date Received..:** 10/10/01
Prep Date.....: 10/15/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	ug/L
RDX	ND I	0.50	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND	0.20	ug/L
Tetryl	ND	0.20	ug/L
Nitrobenzene	ND	0.20	ug/L
2,4,6-Trinitrotoluene	ND G	0.33	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L
2,6-Dinitrotoluene	**1.1**	**0.20**	**ug/L**
2,4-Dinitrotoluene	**1.5**	**0.20**	**ug/L**
2-Nitrotoluene	ND	0.20	ug/L
4-Nitrotoluene	ND	0.20	ug/L
3-Nitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	69	(53 - 133)

NOTE(S):

I Matrix interference.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3029

HPLC

Lot-Sample #...: H1J100121-003 **Work Order #...:** ELV861AE **Matrix.....:** WATER
Date Sampled...: 10/09/01 **Date Received..:** 10/10/01
Prep Date.....: 10/15/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	ug/L
RDX	ND G	0.61	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND	0.20	ug/L
Tetryl	ND	0.20	ug/L
Nitrobenzene	ND	0.20	ug/L
2,4,6-Trinitrotoluene	ND I	0.20	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.20	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND G	0.44	ug/L
2,4-Dinitrotoluene	ND I	0.20	ug/L
2-Nitrotoluene	ND	0.20	ug/L
4-Nitrotoluene	ND	0.20	ug/L
3-Nitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	126	(53 - 133)

NOTE(S):

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

I Matrix interference.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3028

HPLC

Lot-Sample #...: H1J100121-004 **Work Order #...:** ELV871AE **Matrix.....:** WATER
Date Sampled...: 10/09/01 **Date Received..:** 10/10/01
Prep Date.....: 10/15/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	ug/L
RDX	ND	0.50	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND G	0.98	ug/L
Tetryl	ND	0.20	ug/L
Nitrobenzene	ND G	0.21	ug/L
2,4,6-Trinitrotoluene	ND G	0.86	ug/L
4-Amino-2,6-dinitrotoluene	ND G	2.6	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND G	6.0	ug/L
2,4-Dinitrotoluene	ND G	1.9	ug/L
2-Nitrotoluene	ND	0.20	ug/L
4-Nitrotoluene	ND	0.20	ug/L
3-Nitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	189 *	(53 - 133)

NOTE(S):

* Surrogate recovery is outside stated control limits.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3019

HPLC

Lot-Sample #...: H1J100121-005 **Work Order #...:** ELV881AE **Matrix.....:** WATER
Date Sampled...: 10/09/01 **Date Received..:** 10/10/01
Prep Date.....: 10/15/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND I	0.50	ug/L
RDX	ND	0.50	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND	0.20	ug/L
Tetryl	ND	0.20	ug/L
Nitrobenzene	ND	0.20	ug/L
2,4,6-Trinitrotoluene	**1.6**	**0.20**	**ug/L**
4-Amino-2,6-dinitrotoluene	ND G	0.62	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND G	2.4	ug/L
2,4-Dinitrotoluene	ND G	0.28	ug/L
2-Nitrotoluene	ND	0.20	ug/L
4-Nitrotoluene	ND	0.20	ug/L
3-Nitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	93	(53 - 133)

NOTE(S):

I Matrix interference.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9012

HPLC

Lot-Sample #...: H1J100121-012 **Work Order #...:** ELV9P1AC **Matrix.....:** SOLID
Date Sampled...: 10/06/01 **Date Received..:** 10/10/01
Prep Date.....: 10/18/01 **Analysis Date..:** 10/23/01
Prep Batch #...: 1291407
Dilution Factor: 100
% Moisture.....: 23 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	50	mg/kg
RDX	ND	50	mg/kg
1,3,5-Trinitrobenzene	ND	25	mg/kg
1,3-Dinitrobenzene	ND	25	mg/kg
Tetryl	ND	65	mg/kg
Nitrobenzene	ND	25	mg/kg
2,4,6-Trinitrotoluene	**340**	**25**	**mg/kg**
4-Amino-2,6-dinitrotoluene	ND	25	mg/kg
2-Amino-4,6-dinitrotoluene	ND	25	mg/kg
2,6-Dinitrotoluene	**210**	**25**	**mg/kg**
2,4-Dinitrotoluene	**8.6 J**	**25**	**mg/kg**
2-Nitrotoluene	ND	25	mg/kg
4-Nitrotoluene	ND	25	mg/kg
3-Nitrotoluene	ND	25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(74 - 121)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9013

HPLC

Lot-Sample #...: H1J100121-013 **Work Order #...:** ELV9W1AC **Matrix.....:** SOLID
Date Sampled...: 10/06/01 **Date Received..:** 10/10/01
Prep Date.....: 10/18/01 **Analysis Date..:** 10/23/01
Prep Batch #...: 1291407
Dilution Factor: 200
% Moisture.....: 22 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	100	mg/kg
RDX	ND	100	mg/kg
1,3,5-Trinitrobenzene	ND	50	mg/kg
1,3-Dinitrobenzene	ND	50	mg/kg
Tetryl	ND	130	mg/kg
Nitrobenzene	ND	50	mg/kg
2,4,6-Trinitrotoluene	**1300**	**50**	**mg/kg**
4-Amino-2,6-dinitrotoluene	ND	50	mg/kg
2-Amino-4,6-dinitrotoluene	ND	50	mg/kg
2,6-Dinitrotoluene	**220**	**50**	**mg/kg**
2,4-Dinitrotoluene	**1200**	**50**	**mg/kg**
2-Nitrotoluene	ND	50	mg/kg
4-Nitrotoluene	ND	50	mg/kg
3-Nitrotoluene	ND	50	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	NC,DIL	(74 - 121)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9014

HPLC

Lot-Sample #...: H1J100121-014 **Work Order #...:** ELV9X1AC **Matrix.....:** SOLID
Date Sampled...: 10/06/01 **Date Received..:** 10/10/01
Prep Date.....: 10/18/01 **Analysis Date..:** 10/23/01
Prep Batch #...: 1291407
Dilution Factor: 1
% Moisture.....: 9.8 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	**0.46**	**0.25**	**mg/kg**
4-Amino-2,6-dinitrotoluene	**0.36**	**0.25**	**mg/kg**
2-Amino-4,6-dinitrotoluene	**0.25**	**0.25**	**mg/kg**
2,6-Dinitrotoluene	ND G	1.5	mg/kg
2,4-Dinitrotoluene	**2.4**	**0.25**	**mg/kg**
2-Nitrotoluene	**0.30**	**0.25**	**mg/kg**
4-Nitrotoluene	**0.27**	**0.25**	**mg/kg**
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	104	(74 - 121)

NOTE(S):

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9015

HPLC

Lot-Sample #...: H1J100121-015 **Work Order #...:** ELV901AC **Matrix.....:** SOLID
Date Sampled...: 10/06/01 **Date Received..:** 10/10/01
Prep Date.....: 10/18/01 **Analysis Date..:** 10/23/01
Prep Batch #...: 1291407
Dilution Factor: 5
% Moisture.....: 24 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	2.5	mg/kg
RDX	ND G	4.2	mg/kg
1,3,5-Trinitrobenzene	**29**	**1.2**	**mg/kg**
1,3-Dinitrobenzene	**6.5**	**1.2**	**mg/kg**
Tetryl	ND	3.2	mg/kg
Nitrobenzene	ND	1.2	mg/kg
2,4,6-Trinitrotoluene	ND	1.2	mg/kg
4-Amino-2,6-dinitrotoluene	ND	1.2	mg/kg
2-Amino-4,6-dinitrotoluene	ND	1.2	mg/kg
2,6-Dinitrotoluene	**1.4**	**1.2**	**mg/kg**
2,4-Dinitrotoluene	**18**	**1.2**	**mg/kg**
2-Nitrotoluene	ND	1.2	mg/kg
4-Nitrotoluene	ND	1.2	mg/kg
3-Nitrotoluene	ND	1.2	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	100	(74 - 121)

NOTE(S):

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9016

HPLC

Lot-Sample #...: H1J100121-016 **Work Order #...:** ELV921AC **Matrix.....:** SOLID
Date Sampled...: 10/06/01 **Date Received..:** 10/10/01
Prep Date.....: 10/18/01 **Analysis Date..:** 10/23/01
Prep Batch #...: 1291407
Dilution Factor: 1
% Moisture.....: 21 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	**0.35**	**0.25**	**mg/kg**
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	ND	0.25	mg/kg
4-Amino-2,6-dinitrotoluene	ND	0.25	mg/kg
2-Amino-4,6-dinitrotoluene	ND	0.25	mg/kg
2,6-Dinitrotoluene	ND	0.25	mg/kg
2,4-Dinitrotoluene	**0.31**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	103	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9017

HPLC

Lot-Sample #...: H1J100121-017 **Work Order #...:** ELV931AC **Matrix.....:** SOLID
Date Sampled...: 10/06/01 **Date Received..:** 10/10/01
Prep Date.....: 10/18/01 **Analysis Date..:** 10/23/01
Prep Batch #...: 1291407
Dilution Factor: 1
% Moisture.....: 56 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	**0.22 J**	**0.25**	**mg/kg**
4-Amino-2,6-dinitrotoluene	**0.33**	**0.25**	**mg/kg**
2-Amino-4,6-dinitrotoluene	**0.16 J**	**0.25**	**mg/kg**
2,6-Dinitrotoluene	**2.4**	**0.25**	**mg/kg**
2,4-Dinitrotoluene	**2.1**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	105	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9018

HPLC

Lot-Sample #...: H1J100121-018 **Work Order #...:** ELV941AC **Matrix.....:** SOLID
Date Sampled...: 10/06/01 **Date Received..:** 10/10/01
Prep Date.....: 10/18/01 **Analysis Date..:** 10/23/01
Prep Batch #...: 1291407
Dilution Factor: 1
% Moisture.....: 27 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	mg/kg
RDX	ND	0.50	mg/kg
1,3,5-Trinitrobenzene	ND	0.25	mg/kg
1,3-Dinitrobenzene	ND	0.25	mg/kg
Tetryl	ND	0.65	mg/kg
Nitrobenzene	ND	0.25	mg/kg
2,4,6-Trinitrotoluene	**1.3**	**0.25**	**mg/kg**
4-Amino-2,6-dinitrotoluene	**0.90**	**0.25**	**mg/kg**
2-Amino-4,6-dinitrotoluene	**0.85**	**0.25**	**mg/kg**
2,6-Dinitrotoluene	**0.15 J**	**0.25**	**mg/kg**
2,4-Dinitrotoluene	**0.065 J**	**0.25**	**mg/kg**
2-Nitrotoluene	ND	0.25	mg/kg
4-Nitrotoluene	ND	0.25	mg/kg
3-Nitrotoluene	ND	0.25	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	100	(74 - 121)

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9019

HPLC

Lot-Sample #...: H1J100121-019 **Work Order #...:** ELV951AC **Matrix.....:** SOLID
Date Sampled...: 10/06/01 **Date Received..:** 10/10/01
Prep Date.....: 10/18/01 **Analysis Date..:** 10/23/01
Prep Batch #...: 1291407
Dilution Factor: 1
% Moisture.....: 52 **Method.....:** SW846 8330

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	99	(74 - 121)

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9020

HPLC

Lot-Sample #...: H1J100121-020 Work Order #...: ELV961AC Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
Prep Date.....: 10/18/01 Analysis Date..: 10/23/01
Prep Batch #...: 1291407
Dilution Factor: 2
% Moisture.....: 15 Method.....: SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	1.0	mg/kg
RDX	ND	1.0	mg/kg
1,3,5-Trinitrobenzene	ND	0.50	mg/kg
1,3-Dinitrobenzene	ND	0.50	mg/kg
Tetryl	ND	1.3	mg/kg
Nitrobenzene	ND	0.50	mg/kg
2,4,6-Trinitrotoluene	**14**	**0.50**	**mg/kg**
4-Amino-2,6-dinitrotoluene	ND G	3.7	mg/kg
2-Amino-4,6-dinitrotoluene	**2.4**	**0.50**	**mg/kg**
2,6-Dinitrotoluene	ND I	0.50	mg/kg
2,4-Dinitrotoluene	**0.48 J**	**0.50**	**mg/kg**
2-Nitrotoluene	ND	0.50	mg/kg
4-Nitrotoluene	ND	0.50	mg/kg
3-Nitrotoluene	ND	0.50	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(74 - 121)

NOTE(S):

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

I Matrix interference.

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

HPLC

Client Lot #...: H1J100121 **Work Order #...:** EL5K71AA **Matrix.....:** WATER
MB Lot-Sample #: H1J150000-098

Prep Date.....: 10/15/01
Analysis Date..: 10/17/01 **Prep Batch #...:** 1288098
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	73	(53 - 133)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J100121 Work Order #...: EL5K71AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J150000-098 EL5K71AD-LCSD
Prep Date.....: 10/15/01 Analysis Date..: 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	3.00	3.27	ug/L	109		SW846 8330
	3.00	3.09	ug/L	103	5.8	SW846 8330
RDX	3.00	3.40	ug/L	113		SW846 8330
	3.00	3.27	ug/L	109	3.8	SW846 8330
1,3,5-Trinitrobenzene	3.00	3.31	ug/L	110		SW846 8330
	3.00	3.24	ug/L	108	2.3	SW846 8330
1,3-Dinitrobenzene	3.00	3.14	ug/L	105		SW846 8330
	3.00	3.05	ug/L	102	3.0	SW846 8330
Tetryl	3.00	3.31	ug/L	110		SW846 8330
	3.00	3.24	ug/L	108	2.3	SW846 8330
Nitrobenzene	3.00	2.74	ug/L	91		SW846 8330
	3.00	2.54	ug/L	85	7.6	SW846 8330
2,4,6-Trinitrotoluene	3.00	3.21	ug/L	107		SW846 8330
	3.00	3.13	ug/L	104	2.5	SW846 8330
4-Amino-2,6-dinitrotoluene	3.00	2.48	ug/L	83		SW846 8330
	3.00	2.58	ug/L	86	4.0	SW846 8330
2-Amino-4,6-dinitrotoluene	3.00	2.87	ug/L	96		SW846 8330
	3.00	2.99	ug/L	100	4.1	SW846 8330
2,6-Dinitrotoluene	3.00	3.23	ug/L	108		SW846 8330
	3.00	3.27	ug/L	109	1.1	SW846 8330
2,4-Dinitrotoluene	3.00	3.09	ug/L	103		SW846 8330
	3.00	3.01	ug/L	100	2.5	SW846 8330
2-Nitrotoluene	3.00	2.47	ug/L	82		SW846 8330
	3.00	2.26	ug/L	75	9.0	SW846 8330
4-Nitrotoluene	3.00	2.56	ug/L	85		SW846 8330
	3.00	2.50	ug/L	83	2.2	SW846 8330
3-Nitrotoluene	3.00	2.54	ug/L	85		SW846 8330
	3.00	2.46	ug/L	82	3.4	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	80	(53 - 133)
	85	(53 - 133)

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 #...: H1J100121 Work Order #...: EL5K71AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J150000-098 EL5K71AD-LCSD
Prep Date.....: 10/15/01 Analysis Date..: 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**109**	**(68 - 122)**			**SW846 8330**
	103	**(68 - 122)**	**5.8**	**(0-25)**	**SW846 8330**
RDX	**113**	**(71 - 127)**			**SW846 8330**
	109	**(71 - 127)**	**3.8**	**(0-26)**	**SW846 8330**
1,3,5-Trinitrobenzene	**110**	**(70 - 124)**			**SW846 8330**
	108	**(70 - 124)**	**2.3**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**105**	**(72 - 124)**			**SW846 8330**
	102	**(72 - 124)**	**3.0**	**(0-25)**	**SW846 8330**
Tetryl	**110**	**(68 - 123)**			**SW846 8330**
	108	**(68 - 123)**	**2.3**	**(0-26)**	**SW846 8330**
Nitrobenzene	**91**	**(60 - 122)**			**SW846 8330**
	85	**(60 - 122)**	**7.6**	**(0-26)**	**SW846 8330**
2,4,6-Trinitrotoluene	**107**	**(71 - 123)**			**SW846 8330**
	104	**(71 - 123)**	**2.5**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**83**	**(66 - 122)**			**SW846 8330**
	86	**(66 - 122)**	**4.0**	**(0-26)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**96**	**(65 - 124)**			**SW846 8330**
	100	**(65 - 124)**	**4.1**	**(0-26)**	**SW846 8330**
2,6-Dinitrotoluene	**108**	**(66 - 129)**			**SW846 8330**
	109	**(66 - 129)**	**1.1**	**(0-26)**	**SW846 8330**
2,4-Dinitrotoluene	**103**	**(70 - 125)**			**SW846 8330**
	100	**(70 - 125)**	**2.5**	**(0-26)**	**SW846 8330**
2-Nitrotoluene	**82**	**(54 - 121)**			**SW846 8330**
	75	**(54 - 121)**	**9.0**	**(0-27)**	**SW846 8330**
4-Nitrotoluene	**85**	**(59 - 123)**			**SW846 8330**
	83	**(59 - 123)**	**2.2**	**(0-27)**	**SW846 8330**
3-Nitrotoluene	**85**	**(58 - 124)**			**SW846 8330**
	82	**(58 - 124)**	**3.4**	**(0-27)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	80	(53 - 133)
	85	(53 - 133)

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 #...: H1J100121 **Work Order #...:** EMD0C1AA **Matrix.....:** SOLID
MB Lot-Sample #: H1J180000-407

Prep Date.....: 10/18/01
Analysis Date..: 10/23/01 **Prep Batch #...:** 1291407
Dilution Factor: 1

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	105	(74 - 121)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J100121 **Work Order #...:** EMD0C1AC-LCS **Matrix.....:** SOLID
LCS Lot-Sample#: H1J180000-407 EMD0C1AD-LCSD
Prep Date.....: 10/18/01 **Analysis Date..:** 10/24/01
Prep Batch #...: 1291407
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	**3.00**	**2.97**	**mg/kg**	**99**		**SW846 8330**
	3.00	**2.95**	**mg/kg**	**98**	**0.64**	**SW846 8330**
RDX	**3.00**	**3.01**	**mg/kg**	**100**		**SW846 8330**
	3.00	**3.12**	**mg/kg**	**104**	**3.6**	**SW846 8330**
1,3,5-Trinitrobenzene	**3.00**	**2.94**	**mg/kg**	**98**		**SW846 8330**
	3.00	**2.84**	**mg/kg**	**95**	**3.3**	**SW846 8330**
1,3-Dinitrobenzene	**3.00**	**2.95**	**mg/kg**	**98**		**SW846 8330**
	3.00	**2.95**	**mg/kg**	**98**	**0.030**	**SW846 8330**
Tetryl	**3.00**	**2.69**	**mg/kg**	**90**		**SW846 8330**
	3.00	**2.33**	**mg/kg**	**78**	**14**	**SW846 8330**
Nitrobenzene	**3.00**	**2.98**	**mg/kg**	**99**		**SW846 8330**
	3.00	**3.00**	**mg/kg**	**100**	**0.47**	**SW846 8330**
2,4,6-Trinitrotoluene	**3.00**	**3.04**	**mg/kg**	**101**		**SW846 8330**
	3.00	**3.06**	**mg/kg**	**102**	**0.57**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**3.00**	**3.29**	**mg/kg**	**110**		**SW846 8330**
	3.00	**3.36**	**mg/kg**	**112**	**2.1**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**3.00**	**3.01**	**mg/kg**	**100**		**SW846 8330**
	3.00	**3.01**	**mg/kg**	**100**	**0.070**	**SW846 8330**
2,6-Dinitrotoluene	**3.00**	**2.87**	**mg/kg**	**96**		**SW846 8330**
	3.00	**2.87**	**mg/kg**	**96**	**0.15**	**SW846 8330**
2,4-Dinitrotoluene	**3.00**	**3.00**	**mg/kg**	**100**		**SW846 8330**
	3.00	**3.00**	**mg/kg**	**100**	**0.0**	**SW846 8330**
2-Nitrotoluene	**3.00**	**2.97**	**mg/kg**	**99**		**SW846 8330**
	3.00	**3.00**	**mg/kg**	**100**	**0.81**	**SW846 8330**
4-Nitrotoluene	**3.00**	**3.00**	**mg/kg**	**100**		**SW846 8330**
	3.00	**3.00**	**mg/kg**	**100**	**0.0**	**SW846 8330**
3-Nitrotoluene	**3.00**	**3.00**	**mg/kg**	**100**		**SW846 8330**
	3.00	**3.01**	**mg/kg**	**100**	**0.17**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(74 - 121)
	97	(74 - 121)

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 #...: H1J100121 Work Order #...: EMD0C1AC-LCS Matrix.....: SOLID
LCS Lot-Sample#: H1J180000-407 EMD0C1AD-LCSD
Prep Date.....: 10/18/01 Analysis Date..: 10/24/01
Prep Batch #...: 1291407
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	99	(76 - 121)			SW846 8330
	98	(76 - 121)	0.64	(0-26)	SW846 8330
RDX	100	(79 - 118)			SW846 8330
	104	(79 - 118)	3.6	(0-23)	SW846 8330
1,3,5-Trinitrobenzene	98	(76 - 116)			SW846 8330
	95	(76 - 116)	3.3	(0-27)	SW846 8330
1,3-Dinitrobenzene	98	(75 - 117)			SW846 8330
	98	(75 - 117)	0.030	(0-25)	SW846 8330
Tetryl	90	(42 - 125)			SW846 8330
	78	(42 - 125)	14	(0-39)	SW846 8330
Nitrobenzene	99	(78 - 115)			SW846 8330
	100	(78 - 115)	0.47	(0-22)	SW846 8330
2,4,6-Trinitrotoluene	101	(76 - 118)			SW846 8330
	102	(76 - 118)	0.57	(0-26)	SW846 8330
4-Amino-2,6-dinitrotoluene	110	(80 - 122)			SW846 8330
	112	(80 - 122)	2.1	(0-25)	SW846 8330
2-Amino-4,6-dinitrotoluene	100	(78 - 119)			SW846 8330
	100	(78 - 119)	0.070	(0-24)	SW846 8330
2,6-Dinitrotoluene	96	(74 - 122)			SW846 8330
	96	(74 - 122)	0.15	(0-24)	SW846 8330
2,4-Dinitrotoluene	100	(78 - 118)			SW846 8330
	100	(78 - 118)	0.0	(0-24)	SW846 8330
2-Nitrotoluene	99	(78 - 117)			SW846 8330
	100	(78 - 117)	0.81	(0-24)	SW846 8330
4-Nitrotoluene	100	(78 - 118)			SW846 8330
	100	(78 - 118)	0.0	(0-26)	SW846 8330
3-Nitrotoluene	100	(78 - 117)			SW846 8330
	100	(78 - 117)	0.17	(0-24)	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	96	(74 - 121)
	97	(74 - 121)

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: BD3037

TOTAL Metals

Lot-Sample #...: H1J100121-001 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1288369						
Mercury	0.000067 B	0.00020	mg/L	SW846 7470A	10/16/01	ELV821A2
		Dilution Factor: 1		Analysis Time..: 15:22		
Prep Batch #...: 1290139						
Aluminum	ND	200	ug/L	SW846 6010B	10/17-10/18/01	ELV821AA
		Dilution Factor: 1		Analysis Time..: 11:28		
Antimony	ND	60.0	ug/L	SW846 6010B	10/17-10/18/01	ELV821AC
		Dilution Factor: 1		Analysis Time..: 11:28		
Arsenic	10.8	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV821AD
		Dilution Factor: 1		Analysis Time..: 11:28		
Barium	1000	200	ug/L	SW846 6010B	10/17-10/18/01	ELV821AE
		Dilution Factor: 1		Analysis Time..: 11:28		
Beryllium	1.1 B	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV821AF
		Dilution Factor: 1		Analysis Time..: 11:28		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV821AG
		Dilution Factor: 1		Analysis Time..: 11:28		
Calcium	12000000	500000	ug/L	SW846 6010B	10/17-10/18/01	ELV821AH
		Dilution Factor: 100		Analysis Time..: 14:56		
Chromium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV821AJ
		Dilution Factor: 1		Analysis Time..: 11:28		
Cobalt	6.4 B	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV821AK
		Dilution Factor: 1		Analysis Time..: 11:28		
Copper	3.2 B	25.0	ug/L	SW846 6010B	10/17-10/18/01	ELV821AL
		Dilution Factor: 1		Analysis Time..: 11:28		
Iron	127	100	ug/L	SW846 6010B	10/17-10/18/01	ELV821AM
		Dilution Factor: 1		Analysis Time..: 11:28		
Lead	ND	15.0	ug/L	SW846 6010B	10/17-10/18/01	ELV821AN
		Dilution Factor: 5		Analysis Time..: 14:08		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3037

TOTAL Metals

Lot-Sample #...: H1J100121-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	711000	25000	ug/L	SW846 6010B	10/17-10/18/01	ELV821AP
		Dilution Factor: 5		Analysis Time..: 14:08		
Manganese	11700	15.0	ug/L	SW846 6010B	10/17-10/18/01	ELV821AQ
		Dilution Factor: 1		Analysis Time..: 11:28		
Nickel	75.7	40.0	ug/L	SW846 6010B	10/17-10/18/01	ELV821AR
		Dilution Factor: 1		Analysis Time..: 11:28		
Potassium	94200	25000	ug/L	SW846 6010B	10/17-10/18/01	ELV821AT
		Dilution Factor: 5		Analysis Time..: 14:08		
Selenium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV821AU
		Dilution Factor: 1		Analysis Time..: 11:28		
Silver	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV821AV
		Dilution Factor: 1		Analysis Time..: 11:28		
Sodium	442000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV821AW
		Dilution Factor: 1		Analysis Time..: 11:28		
Thallium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV821AX
		Dilution Factor: 1		Analysis Time..: 11:28		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV821A0
		Dilution Factor: 1		Analysis Time..: 11:28		
Zinc	297	20.0	ug/L	SW846 6010B	10/17-10/18/01	ELV821A1
		Dilution Factor: 1		Analysis Time..: 11:28		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3032

TOTAL Metals

Lot-Sample #...: H1J100121-002 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1288369						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/16/01	ELV831A2
		Dilution Factor: 1		Analysis Time..: 15:26		
Prep Batch #...: 1290139						
Aluminum	152 B	200	ug/L	SW846 6010B	10/17-10/18/01	ELV831AA
		Dilution Factor: 1		Analysis Time..: 11:33		
Antimony	ND	60.0	ug/L	SW846 6010B	10/17-10/18/01	ELV831AC
		Dilution Factor: 1		Analysis Time..: 11:33		
Arsenic	4.0 B	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV831AD
		Dilution Factor: 1		Analysis Time..: 11:33		
Barium	133 B	200	ug/L	SW846 6010B	10/17-10/18/01	ELV831AE
		Dilution Factor: 1		Analysis Time..: 11:33		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV831AF
		Dilution Factor: 1		Analysis Time..: 11:33		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV831AG
		Dilution Factor: 1		Analysis Time..: 11:33		
Calcium	462000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV831AH
		Dilution Factor: 1		Analysis Time..: 11:33		
Chromium	7.1 B	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV831AJ
		Dilution Factor: 1		Analysis Time..: 11:33		
Cobalt	3.1 B	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV831AK
		Dilution Factor: 1		Analysis Time..: 11:33		
Copper	13.3 B	25.0	ug/L	SW846 6010B	10/17-10/18/01	ELV831AL
		Dilution Factor: 1		Analysis Time..: 11:33		
Iron	43100	100	ug/L	SW846 6010B	10/17-10/18/01	ELV831AM
		Dilution Factor: 1		Analysis Time..: 11:33		
Lead	ND	3.0	ug/L	SW846 6010B	10/17-10/18/01	ELV831AN
		Dilution Factor: 1		Analysis Time..: 11:33		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3032

TOTAL Metals

Lot-Sample #...: H1J100121-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	166000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV831AP
		Dilution Factor: 1		Analysis Time..: 11:33		
Manganese	680	15.0	ug/L	SW846 6010B	10/17-10/18/01	ELV831AQ
		Dilution Factor: 1		Analysis Time..: 11:33		
Nickel	12.4 B	40.0	ug/L	SW846 6010B	10/17-10/18/01	ELV831AR
		Dilution Factor: 1		Analysis Time..: 11:33		
Potassium	41500	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV831AT
		Dilution Factor: 1		Analysis Time..: 11:33		
Selenium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV831AU
		Dilution Factor: 1		Analysis Time..: 11:33		
Silver	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV831AV
		Dilution Factor: 1		Analysis Time..: 11:33		
Sodium	96000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV831AW
		Dilution Factor: 1		Analysis Time..: 11:33		
Thallium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV831AX
		Dilution Factor: 1		Analysis Time..: 11:33		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV831A0
		Dilution Factor: 1		Analysis Time..: 11:33		
Zinc	21.6	20.0	ug/L	SW846 6010B	10/17-10/18/01	ELV831A1
		Dilution Factor: 1		Analysis Time..: 11:33		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3029

TOTAL Metals

Lot-Sample #...: H1J100121-003 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1288369						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/16/01	ELV861AD
		Dilution Factor: 1		Analysis Time..: 15:31		
Prep Batch #...: 1290139						
Aluminum	37.8 B	200	ug/L	SW846 6010B	10/17-10/18/01	ELV861AM
		Dilution Factor: 1		Analysis Time..: 11:37		
Antimony	ND	60.0	ug/L	SW846 6010B	10/17-10/18/01	ELV861AN
		Dilution Factor: 1		Analysis Time..: 11:37		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV861AP
		Dilution Factor: 1		Analysis Time..: 11:37		
Barium	932	200	ug/L	SW846 6010B	10/17-10/18/01	ELV861AQ
		Dilution Factor: 1		Analysis Time..: 11:37		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV861AR
		Dilution Factor: 1		Analysis Time..: 11:37		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV861AT
		Dilution Factor: 1		Analysis Time..: 11:37		
Calcium	158000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV861AU
		Dilution Factor: 1		Analysis Time..: 11:37		
Chromium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV861AV
		Dilution Factor: 1		Analysis Time..: 11:37		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV861AW
		Dilution Factor: 1		Analysis Time..: 11:37		
Copper	ND	25.0	ug/L	SW846 6010B	10/17-10/18/01	ELV861AX
		Dilution Factor: 1		Analysis Time..: 11:37		
Iron	48.3 B	100	ug/L	SW846 6010B	10/17-10/18/01	ELV861A0
		Dilution Factor: 1		Analysis Time..: 11:37		
Lead	ND	3.0	ug/L	SW846 6010B	10/17-10/18/01	ELV861A1
		Dilution Factor: 1		Analysis Time..: 11:37		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3029

TOTAL Metals

Lot-Sample #...: H1J100121-003 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	78500	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV861A2
		Dilution Factor: 1		Analysis Time..: 11:37		
Manganese	24.8	15.0	ug/L	SW846 6010B	10/17-10/18/01	ELV861A3
		Dilution Factor: 1		Analysis Time..: 11:37		
Nickel	ND	40.0	ug/L	SW846 6010B	10/17-10/18/01	ELV861A4
		Dilution Factor: 1		Analysis Time..: 11:37		
Potassium	32100	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV861A5
		Dilution Factor: 1		Analysis Time..: 11:37		
Selenium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV861A6
		Dilution Factor: 1		Analysis Time..: 11:37		
Silver	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV861A7
		Dilution Factor: 1		Analysis Time..: 11:37		
Sodium	90800	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV861A8
		Dilution Factor: 1		Analysis Time..: 11:37		
Thallium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV861A9
		Dilution Factor: 1		Analysis Time..: 11:37		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV861AA
		Dilution Factor: 1		Analysis Time..: 11:37		
Zinc	ND	20.0	ug/L	SW846 6010B	10/17-10/18/01	ELV861AC
		Dilution Factor: 1		Analysis Time..: 11:37		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3028

TOTAL Metals

Lot-Sample #...: H1J100121-004 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1288369						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/16/01	ELV871AD
		Dilution Factor: 1		Analysis Time..: 15:33		
Prep Batch #...: 1290139						
Aluminum	350	200	ug/L	SW846 6010B	10/17-10/18/01	ELV871AM
		Dilution Factor: 1		Analysis Time..: 11:42		
Antimony	ND	60.0	ug/L	SW846 6010B	10/17-10/18/01	ELV871AN
		Dilution Factor: 1		Analysis Time..: 11:42		
Arsenic	4.2 B	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV871AP
		Dilution Factor: 1		Analysis Time..: 11:42		
Barium	64.2 B	200	ug/L	SW846 6010B	10/17-10/18/01	ELV871AQ
		Dilution Factor: 1		Analysis Time..: 11:42		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV871AR
		Dilution Factor: 1		Analysis Time..: 11:42		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV871AT
		Dilution Factor: 1		Analysis Time..: 11:42		
Calcium	369000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV871AU
		Dilution Factor: 1		Analysis Time..: 11:42		
Chromium	15.0	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV871AV
		Dilution Factor: 1		Analysis Time..: 11:42		
Cobalt	5.9 B	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV871AW
		Dilution Factor: 1		Analysis Time..: 11:42		
Copper	4.8 B	25.0	ug/L	SW846 6010B	10/17-10/18/01	ELV871AX
		Dilution Factor: 1		Analysis Time..: 11:42		
Iron	7280	100	ug/L	SW846 6010B	10/17-10/18/01	ELV871A0
		Dilution Factor: 1		Analysis Time..: 11:42		
Lead	ND	3.0	ug/L	SW846 6010B	10/17-10/18/01	ELV871A1
		Dilution Factor: 1		Analysis Time..: 11:42		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3028

TOTAL Metals

Lot-Sample #...: H1J100121-004 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	210000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV871A2
		Dilution Factor: 1		Analysis Time..: 11:42		
Manganese	1170	15.0	ug/L	SW846 6010B	10/17-10/18/01	ELV871A3
		Dilution Factor: 1		Analysis Time..: 11:42		
Nickel	13.6 B	40.0	ug/L	SW846 6010B	10/17-10/18/01	ELV871A4
		Dilution Factor: 1		Analysis Time..: 11:42		
Potassium	77700	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV871A5
		Dilution Factor: 1		Analysis Time..: 11:42		
Selenium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV871A6
		Dilution Factor: 1		Analysis Time..: 11:42		
Silver	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV871A7
		Dilution Factor: 1		Analysis Time..: 11:42		
Sodium	590000	25000	ug/L	SW846 6010B	10/17-10/18/01	ELV871A8
		Dilution Factor: 5		Analysis Time..: 14:12		
Thallium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV871A9
		Dilution Factor: 1		Analysis Time..: 11:42		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV871AA
		Dilution Factor: 1		Analysis Time..: 11:42		
Zinc	18.0 B	20.0	ug/L	SW846 6010B	10/17-10/18/01	ELV871AC
		Dilution Factor: 1		Analysis Time..: 11:42		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3019

TOTAL Metals

Lot-Sample #...: H1J100121-005 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1288369						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/16/01	ELV881AD
		Dilution Factor: 1		Analysis Time..: 15:35		
Prep Batch #...: 1290139						
Aluminum	**51.1 B**	**200**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELV881AM**
		Dilution Factor: 1		Analysis Time..: 11:55		
Antimony	ND	60.0	ug/L	SW846 6010B	10/17-10/18/01	ELV881AN
		Dilution Factor: 1		Analysis Time..: 11:55		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV881AP
		Dilution Factor: 1		Analysis Time..: 11:55		
Barium	**481**	**200**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELV881AQ**
		Dilution Factor: 1		Analysis Time..: 11:55		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV881AR
		Dilution Factor: 1		Analysis Time..: 11:55		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV881AT
		Dilution Factor: 1		Analysis Time..: 11:55		
Calcium	**199000**	**5000**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELV881AU**
		Dilution Factor: 1		Analysis Time..: 11:55		
Chromium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV881AV
		Dilution Factor: 1		Analysis Time..: 11:55		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV881AW
		Dilution Factor: 1		Analysis Time..: 11:55		
Copper	ND	25.0	ug/L	SW846 6010B	10/17-10/18/01	ELV881AX
		Dilution Factor: 1		Analysis Time..: 11:55		
Iron	ND	100	ug/L	SW846 6010B	10/17-10/18/01	ELV881A0
		Dilution Factor: 1		Analysis Time..: 11:55		
Lead	ND	3.0	ug/L	SW846 6010B	10/17-10/18/01	ELV881A1
		Dilution Factor: 1		Analysis Time..: 11:55		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3019

TOTAL Metals

Lot-Sample #...: H1J100121-005 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	169000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV881A2
		Dilution Factor: 1		Analysis Time..: 11:55		
Manganese	5.6 B	15.0	ug/L	SW846 6010B	10/17-10/18/01	ELV881A3
		Dilution Factor: 1		Analysis Time..: 11:55		
Nickel	3.8 B	40.0	ug/L	SW846 6010B	10/17-10/18/01	ELV881A4
		Dilution Factor: 1		Analysis Time..: 11:55		
Potassium	62100	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV881A5
		Dilution Factor: 1		Analysis Time..: 11:55		
Selenium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV881A6
		Dilution Factor: 1		Analysis Time..: 11:55		
Silver	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV881A7
		Dilution Factor: 1		Analysis Time..: 11:55		
Sodium	566000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV881A8
		Dilution Factor: 1		Analysis Time..: 11:55		
Thallium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV881A9
		Dilution Factor: 1		Analysis Time..: 11:55		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV881AA
		Dilution Factor: 1		Analysis Time..: 11:55		
Zinc	ND	20.0	ug/L	SW846 6010B	10/17-10/18/01	ELV881AC
		Dilution Factor: 1		Analysis Time..: 11:55		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3037

DISSOLVED Metals

Lot-Sample #...: H1J100121-007 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1289381						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/17/01	ELV9D1A2
		Dilution Factor: 1		Analysis Time..: 15:14		
Prep Batch #...: 1290143						
Aluminum	239	200	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AA
		Dilution Factor: 1		Analysis Time..: 13:11		
Antimony	ND	60.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AC
		Dilution Factor: 1		Analysis Time..: 13:11		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AD
		Dilution Factor: 1		Analysis Time..: 13:11		
Barium	382	200	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AE
		Dilution Factor: 1		Analysis Time..: 13:11		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AF
		Dilution Factor: 1		Analysis Time..: 13:11		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AG
		Dilution Factor: 1		Analysis Time..: 13:11		
Calcium	425000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AH
		Dilution Factor: 1		Analysis Time..: 13:11		
Chromium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AJ
		Dilution Factor: 1		Analysis Time..: 13:11		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AK
		Dilution Factor: 1		Analysis Time..: 13:11		
Copper	ND	25.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AL
		Dilution Factor: 1		Analysis Time..: 13:11		
Iron	856	100	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AM
		Dilution Factor: 1		Analysis Time..: 13:11		
Lead	ND	3.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AN
		Dilution Factor: 1		Analysis Time..: 13:11		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3037

DISSOLVED Metals

Lot-Sample #...: H1J100121-007 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	26400	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AP
		Dilution Factor: 1		Analysis Time..: 13:11		
Manganese	54.6	15.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AQ
		Dilution Factor: 1		Analysis Time..: 13:11		
Nickel	ND	40.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AR
		Dilution Factor: 1		Analysis Time..: 13:11		
Potassium	128000	25000	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AT
		Dilution Factor: 5		Analysis Time..: 14:21		
Selenium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AU
		Dilution Factor: 1		Analysis Time..: 13:11		
Silver	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AV
		Dilution Factor: 1		Analysis Time..: 13:11		
Sodium	705000	25000	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AW
		Dilution Factor: 5		Analysis Time..: 14:21		
Thallium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1AX
		Dilution Factor: 1		Analysis Time..: 13:11		
Vanadium	12.5 B	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1A0
		Dilution Factor: 1		Analysis Time..: 13:11		
Zinc	17.1 B	20.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9D1A1
		Dilution Factor: 1		Analysis Time..: 13:11		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3032

DISSOLVED Metals

Lot-Sample #...: H1J100121-008 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1289381						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/17/01	ELV9E1AD
		Dilution Factor: 1		Analysis Time..: 15:23		
Prep Batch #...: 1290143						
Aluminum	58.0 B	200	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AE
		Dilution Factor: 1		Analysis Time..: 13:15		
Antimony	ND	60.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AF
		Dilution Factor: 1		Analysis Time..: 13:15		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AG
		Dilution Factor: 1		Analysis Time..: 13:15		
Barium	126 B	200	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AH
		Dilution Factor: 1		Analysis Time..: 13:15		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AJ
		Dilution Factor: 1		Analysis Time..: 13:15		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AK
		Dilution Factor: 1		Analysis Time..: 13:15		
Calcium	427000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AL
		Dilution Factor: 1		Analysis Time..: 13:15		
Chromium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AM
		Dilution Factor: 1		Analysis Time..: 13:15		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AN
		Dilution Factor: 1		Analysis Time..: 13:15		
Copper	ND	25.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AP
		Dilution Factor: 1		Analysis Time..: 13:15		
Iron	144	100	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AQ
		Dilution Factor: 1		Analysis Time..: 13:15		
Lead	ND	3.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AR
		Dilution Factor: 1		Analysis Time..: 13:15		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3032

DISSOLVED Metals

Lot-Sample #...: H1J100121-008 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	162000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AT
		Dilution Factor: 1		Analysis Time..: 13:15		
Manganese	141	15.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AU
		Dilution Factor: 1		Analysis Time..: 13:15		
Nickel	2.0 B	40.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AV
		Dilution Factor: 1		Analysis Time..: 13:15		
Potassium	42200	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AW
		Dilution Factor: 1		Analysis Time..: 13:15		
Selenium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AX
		Dilution Factor: 1		Analysis Time..: 13:15		
Silver	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1A0
		Dilution Factor: 1		Analysis Time..: 13:15		
Sodium	95500	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1A1
		Dilution Factor: 1		Analysis Time..: 13:15		
Thallium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1A2
		Dilution Factor: 1		Analysis Time..: 13:15		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AA
		Dilution Factor: 1		Analysis Time..: 13:15		
Zinc	ND	20.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9E1AC
		Dilution Factor: 1		Analysis Time..: 13:15		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3029

DISSOLVED Metals

Lot-Sample #...: H1J100121-009 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1289381						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/17/01	ELV9F1AL
		Dilution Factor: 1		Analysis Time..: 15:25		
Prep Batch #...: 1290143						
Aluminum	**55.1 B**	**200**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELV9F1AE**
		Dilution Factor: 1		Analysis Time..: 13:20		
Antimony	ND	60.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1AF
		Dilution Factor: 1		Analysis Time..: 13:20		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1AG
		Dilution Factor: 1		Analysis Time..: 13:20		
Barium	**942**	**200**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELV9F1AH**
		Dilution Factor: 1		Analysis Time..: 13:20		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1AJ
		Dilution Factor: 1		Analysis Time..: 13:20		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1AK
		Dilution Factor: 1		Analysis Time..: 13:20		
Calcium	**159000**	**5000**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELV9F1AL**
		Dilution Factor: 1		Analysis Time..: 13:20		
Chromium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1AM
		Dilution Factor: 1		Analysis Time..: 13:20		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1AN
		Dilution Factor: 1		Analysis Time..: 13:20		
Copper	ND	25.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1AP
		Dilution Factor: 1		Analysis Time..: 13:20		
Iron	ND	100	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1AQ
		Dilution Factor: 1		Analysis Time..: 13:20		
Lead	ND	3.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1AR
		Dilution Factor: 1		Analysis Time..: 13:20		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3029

DISSOLVED Metals

Lot-Sample #...: H1J100121-009 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	78500	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1AT
		Dilution Factor: 1		Analysis Time..: 13:20		
Manganese	22.1	15.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1AU
		Dilution Factor: 1		Analysis Time..: 13:20		
Nickel	ND	40.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1AV
		Dilution Factor: 1		Analysis Time..: 13:20		
Potassium	30700	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1AW
		Dilution Factor: 1		Analysis Time..: 13:20		
Selenium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1AX
		Dilution Factor: 1		Analysis Time..: 13:20		
Silver	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1A0
		Dilution Factor: 1		Analysis Time..: 13:20		
Sodium	90500	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1A1
		Dilution Factor: 1		Analysis Time..: 13:20		
Thallium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1A2
		Dilution Factor: 1		Analysis Time..: 13:20		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1AA
		Dilution Factor: 1		Analysis Time..: 13:20		
Zinc	ND	20.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9F1AC
		Dilution Factor: 1		Analysis Time..: 13:20		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3028

DISSOLVED Metals

Lot-Sample #...: H1J100121-010 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1289381						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/17/01	ELV9G1AG
		Dilution Factor: 1		Analysis Time..: 15:27		
Prep Batch #...: 1290143						
Aluminum	93.6 B	200	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AH
		Dilution Factor: 1		Analysis Time..: 13:26		
Antimony	ND	60.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AJ
		Dilution Factor: 1		Analysis Time..: 13:26		
Arsenic	2.9 B	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AK
		Dilution Factor: 1		Analysis Time..: 13:26		
Barium	54.4 B	200	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AL
		Dilution Factor: 1		Analysis Time..: 13:26		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AM
		Dilution Factor: 1		Analysis Time..: 13:26		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AN
		Dilution Factor: 1		Analysis Time..: 13:26		
Calcium	279000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AP
		Dilution Factor: 1		Analysis Time..: 13:26		
Chromium	1.5 B	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AQ
		Dilution Factor: 1		Analysis Time..: 13:26		
Cobalt	2.6 B	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AR
		Dilution Factor: 1		Analysis Time..: 13:26		
Copper	ND	25.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AT
		Dilution Factor: 1		Analysis Time..: 13:26		
Iron	3060	100	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AU
		Dilution Factor: 1		Analysis Time..: 13:26		
Lead	ND	3.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AV
		Dilution Factor: 1		Analysis Time..: 13:26		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3028

DISSOLVED Metals

Lot-Sample #...: H1J100121-010 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	203000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AW
		Dilution Factor: 1		Analysis Time..: 13:26		
Manganese	988	15.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AX
		Dilution Factor: 1		Analysis Time..: 13:26		
Nickel	5.0 B	40.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1A0
		Dilution Factor: 1		Analysis Time..: 13:26		
Potassium	75500	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1A1
		Dilution Factor: 1		Analysis Time..: 13:26		
Selenium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1A2
		Dilution Factor: 1		Analysis Time..: 13:26		
Silver	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AA
		Dilution Factor: 1		Analysis Time..: 13:26		
Sodium	596000	25000	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AC
		Dilution Factor: 5		Analysis Time..: 14:26		
Thallium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AD
		Dilution Factor: 1		Analysis Time..: 13:26		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AE
		Dilution Factor: 1		Analysis Time..: 13:26		
Zinc	ND	20.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9G1AF
		Dilution Factor: 1		Analysis Time..: 13:26		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3019

DISSOLVED Metals

Lot-Sample #...: H1J100121-011 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1289381						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/17/01	ELV9J1AG
		Dilution Factor: 1		Analysis Time..: 15:29		
Prep Batch #...: 1290143						
Aluminum	64.5 B	200	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AH
		Dilution Factor: 1		Analysis Time..: 13:31		
Antimony	ND	60.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AJ
		Dilution Factor: 1		Analysis Time..: 13:31		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AK
		Dilution Factor: 1		Analysis Time..: 13:31		
Barium	484	200	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AL
		Dilution Factor: 1		Analysis Time..: 13:31		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AM
		Dilution Factor: 1		Analysis Time..: 13:31		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AN
		Dilution Factor: 1		Analysis Time..: 13:31		
Calcium	199000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AP
		Dilution Factor: 1		Analysis Time..: 13:31		
Chromium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AQ
		Dilution Factor: 1		Analysis Time..: 13:31		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AR
		Dilution Factor: 1		Analysis Time..: 13:31		
Copper	ND	25.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AT
		Dilution Factor: 1		Analysis Time..: 13:31		
Iron	ND	100	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AU
		Dilution Factor: 1		Analysis Time..: 13:31		
Lead	ND	3.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AV
		Dilution Factor: 1		Analysis Time..: 13:31		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3019

DISSOLVED Metals

Lot-Sample #...: H1J100121-011 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	171000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AW
		Dilution Factor: 1		Analysis Time..: 13:31		
Manganese	5.2 B	15.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AX
		Dilution Factor: 1		Analysis Time..: 13:31		
Nickel	2.4 B	40.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1A0
		Dilution Factor: 1		Analysis Time..: 13:31		
Potassium	62200	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1A1
		Dilution Factor: 1		Analysis Time..: 13:31		
Selenium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1A2
		Dilution Factor: 1		Analysis Time..: 13:31		
Silver	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AA
		Dilution Factor: 1		Analysis Time..: 13:31		
Sodium	572000	5000	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AC
		Dilution Factor: 1		Analysis Time..: 13:31		
Thallium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AD
		Dilution Factor: 1		Analysis Time..: 13:31		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AE
		Dilution Factor: 1		Analysis Time..: 13:31		
Zinc	ND	20.0	ug/L	SW846 6010B	10/17-10/18/01	ELV9J1AF
		Dilution Factor: 1		Analysis Time..: 13:31		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9012

TCLP Metals

Lot-Sample #...: H1J100121-012 **Matrix.....:** SOLID
Date Sampled...: 10/06/01 **Date Received..:** 10/10/01
Leach Date.....: 10/11/01 **Leach Batch #..:** P128406

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1287121						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/15/01	ELV9P1AL
		Dilution Factor: 1		Analysis Time..: 16:58		
Prep Batch #...: 1288126						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV9P1AD
		Dilution Factor: 1		Analysis Time..: 14:09		
Barium	**0.13 B,J**	**10.0**	**mg/L**	**SW846 6010B**	**10/15-10/16/01**	**ELV9P1AE**
		Dilution Factor: 1		Analysis Time..: 14:09		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/15-10/16/01	ELV9P1AF
		Dilution Factor: 1		Analysis Time..: 14:09		
Chromium	**0.013 B**	**0.50**	**mg/L**	**SW846 6010B**	**10/15-10/16/01**	**ELV9P1AG**
		Dilution Factor: 1		Analysis Time..: 14:09		
Lead	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV9P1AH
		Dilution Factor: 1		Analysis Time..: 14:09		
Selenium	ND	0.25	mg/L	SW846 6010B	10/15-10/16/01	ELV9P1AJ
		Dilution Factor: 1		Analysis Time..: 14:09		
Silver	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV9P1AK
		Dilution Factor: 1		Analysis Time..: 14:09		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9013

TCLP Metals

Lot-Sample #...: H1J100121-013 Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
Leach Date.....: 10/11/01 Leach Batch #..: P128406

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1287121						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/15/01	ELV9W1AL
		Dilution Factor: 1		Analysis Time..: 17:00		
Prep Batch #...: 1288126						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV9W1AD
		Dilution Factor: 1		Analysis Time..: 14:26		
Barium	0.81 B,J	10.0	mg/L	SW846 6010B	10/15-10/16/01	ELV9W1AE
		Dilution Factor: 1		Analysis Time..: 14:26		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/15-10/16/01	ELV9W1AF
		Dilution Factor: 1		Analysis Time..: 14:26		
Chromium	0.0098 B	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV9W1AG
		Dilution Factor: 1		Analysis Time..: 14:26		
Lead	0.036 B	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV9W1AH
		Dilution Factor: 1		Analysis Time..: 14:26		
Selenium	ND	0.25	mg/L	SW846 6010B	10/15-10/16/01	ELV9W1AJ
		Dilution Factor: 1		Analysis Time..: 14:26		
Silver	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV9W1AK
		Dilution Factor: 1		Analysis Time..: 14:26		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9014

TCLP Metals

Lot-Sample #...: H1J100121-014 Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
Leach Date.....: 10/16/01 Leach Batch #..: P128909

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1290339						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/18-10/23/01	ELV9X1AD
		Dilution Factor: 1		Analysis Time..: 13:03		
Barium	0.29 B,J	10.0	mg/L	SW846 6010B	10/18-10/23/01	ELV9X1AE
		Dilution Factor: 1		Analysis Time..: 13:03		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/18-10/23/01	ELV9X1AF
		Dilution Factor: 1		Analysis Time..: 13:03		
Chromium	0.011 B	0.50	mg/L	SW846 6010B	10/18-10/23/01	ELV9X1AG
		Dilution Factor: 1		Analysis Time..: 13:03		
Lead	ND	0.50	mg/L	SW846 6010B	10/18-10/23/01	ELV9X1AH
		Dilution Factor: 1		Analysis Time..: 13:03		
Selenium	ND	0.25	mg/L	SW846 6010B	10/18-10/23/01	ELV9X1AJ
		Dilution Factor: 1		Analysis Time..: 13:03		
Silver	ND	0.50	mg/L	SW846 6010B	10/18-10/23/01	ELV9X1AK
		Dilution Factor: 1		Analysis Time..: 13:03		
Prep Batch #...: 1290370						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/21/01	ELV9X1AL
		Dilution Factor: 1		Analysis Time..: 16:01		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9015

TCLP Metals

Lot-Sample #...: H1J100121-015 Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
Leach Date.....: 10/11/01 Leach Batch #..: P128406

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1287121						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/15/01	ELV901AL
		Dilution Factor: 1		Analysis Time..: 17:03		
Prep Batch #...: 1288126						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV901AD
		Dilution Factor: 1		Analysis Time..: 14:30		
Barium	0.24 B,J	10.0	mg/L	SW846 6010B	10/15-10/16/01	ELV901AE
		Dilution Factor: 1		Analysis Time..: 14:30		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/15-10/16/01	ELV901AF
		Dilution Factor: 1		Analysis Time..: 14:30		
Chromium	0.0075 B	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV901AG
		Dilution Factor: 1		Analysis Time..: 14:30		
Lead	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV901AH
		Dilution Factor: 1		Analysis Time..: 14:30		
Selenium	ND	0.25	mg/L	SW846 6010B	10/15-10/16/01	ELV901AJ
		Dilution Factor: 1		Analysis Time..: 14:30		
Silver	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV901AK
		Dilution Factor: 1		Analysis Time..: 14:30		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9016

TCLP Metals

Lot-Sample #...: H1J100121-016 Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
Leach Date.....: 10/16/01 Leach Batch #..: P128909

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1290339						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/18-10/23/01	ELV921AD
		Dilution Factor: 1		Analysis Time..: 13:07		
Barium	0.35 B,J	10.0	mg/L	SW846 6010B	10/18-10/23/01	ELV921AE
		Dilution Factor: 1		Analysis Time..: 13:07		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/18-10/23/01	ELV921AF
		Dilution Factor: 1		Analysis Time..: 13:07		
Chromium	0.0066 B	0.50	mg/L	SW846 6010B	10/18-10/23/01	ELV921AG
		Dilution Factor: 1		Analysis Time..: 13:07		
Lead	ND	0.50	mg/L	SW846 6010B	10/18-10/23/01	ELV921AH
		Dilution Factor: 1		Analysis Time..: 13:07		
Selenium	ND	0.25	mg/L	SW846 6010B	10/18-10/23/01	ELV921AJ
		Dilution Factor: 1		Analysis Time..: 13:07		
Silver	ND	0.50	mg/L	SW846 6010B	10/18-10/23/01	ELV921AK
		Dilution Factor: 1		Analysis Time..: 13:07		
Prep Batch #...: 1290370						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/21/01	ELV921AL
		Dilution Factor: 1		Analysis Time..: 16:03		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9017

TCLP Metals

Lot-Sample #...: H1J100121-017 Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
Leach Date.....: 10/16/01 Leach Batch #..: P128909

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1290339						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/18-10/23/01	ELV931AD
		Dilution Factor: 1		Analysis Time..: 13:11		
Barium	0.24 B,J	10.0	mg/L	SW846 6010B	10/18-10/23/01	ELV931AE
		Dilution Factor: 1		Analysis Time..: 13:11		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/18-10/23/01	ELV931AF
		Dilution Factor: 1		Analysis Time..: 13:11		
Chromium	0.012 B	0.50	mg/L	SW846 6010B	10/18-10/23/01	ELV931AG
		Dilution Factor: 1		Analysis Time..: 13:11		
Lead	ND	0.50	mg/L	SW846 6010B	10/18-10/23/01	ELV931AH
		Dilution Factor: 1		Analysis Time..: 13:11		
Selenium	ND	0.25	mg/L	SW846 6010B	10/18-10/23/01	ELV931AJ
		Dilution Factor: 1		Analysis Time..: 13:11		
Silver	ND	0.50	mg/L	SW846 6010B	10/18-10/23/01	ELV931AK
		Dilution Factor: 1		Analysis Time..: 13:11		
Prep Batch #...: 1290370						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/21/01	ELV931AL
		Dilution Factor: 1		Analysis Time..: 16:05		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9018

TCLP Metals

Lot-Sample #...: H1J100121-018 Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
Leach Date.....: 10/11/01 Leach Batch #..: P128406

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1287121						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/15/01	ELV941AL
		Dilution Factor: 1		Analysis Time..: 17:05		
Prep Batch #...: 1288126						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV941AD
		Dilution Factor: 1		Analysis Time..: 14:34		
Barium	**0.37 B,J**	**10.0**	**mg/L**	**SW846 6010B**	**10/15-10/16/01**	**ELV941AE**
		Dilution Factor: 1		Analysis Time..: 14:34		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/15-10/16/01	ELV941AF
		Dilution Factor: 1		Analysis Time..: 14:34		
Chromium	**0.0094 B**	**0.50**	**mg/L**	**SW846 6010B**	**10/15-10/16/01**	**ELV941AG**
		Dilution Factor: 1		Analysis Time..: 14:34		
Lead	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV941AH
		Dilution Factor: 1		Analysis Time..: 14:34		
Selenium	ND	0.25	mg/L	SW846 6010B	10/15-10/16/01	ELV941AJ
		Dilution Factor: 1		Analysis Time..: 14:34		
Silver	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV941AK
		Dilution Factor: 1		Analysis Time..: 14:34		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9019

TCLP Metals

Lot-Sample #...: H1J100121-019 Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
Leach Date.....: 10/11/01 Leach Batch #..: P128406

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1287121						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/15/01	ELV951AL
		Dilution Factor: 1		Analysis Time..: 17:07		
Prep Batch #...: 1288126						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV951AD
		Dilution Factor: 1		Analysis Time..: 14:38		
Barium	**0.50 B,J**	**10.0**	**mg/L**	**SW846 6010B**	**10/15-10/16/01**	**ELV951AE**
		Dilution Factor: 1		Analysis Time..: 14:38		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/15-10/16/01	ELV951AF
		Dilution Factor: 1		Analysis Time..: 14:38		
Chromium	**0.012 B**	**0.50**	**mg/L**	**SW846 6010B**	**10/15-10/16/01**	**ELV951AG**
		Dilution Factor: 1		Analysis Time..: 14:38		
Lead	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV951AH
		Dilution Factor: 1		Analysis Time..: 14:38		
Selenium	ND	0.25	mg/L	SW846 6010B	10/15-10/16/01	ELV951AJ
		Dilution Factor: 1		Analysis Time..: 14:38		
Silver	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV951AK
		Dilution Factor: 1		Analysis Time..: 14:38		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9020

TCLP Metals

Lot-Sample #...: H1J100121-020 **Matrix.....:** SOLID
Date Sampled...: 10/06/01 **Date Received..:** 10/10/01
Leach Date.....: 10/11/01 **Leach Batch #..:** P128406

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1287121						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/15/01	ELV961AL
		Dilution Factor: 1		Analysis Time..: 17:09		
Prep Batch #...: 1288126						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV961AD
		Dilution Factor: 1		Analysis Time..: 14:43		
Barium	**0.31 B,J**	**10.0**	**mg/L**	**SW846 6010B**	**10/15-10/16/01**	**ELV961AE**
		Dilution Factor: 1		Analysis Time..: 14:43		
Cadmium	ND	0.10	mg/L	SW846 6010B	10/15-10/16/01	ELV961AF
		Dilution Factor: 1		Analysis Time..: 14:43		
Chromium	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV961AG
		Dilution Factor: 1		Analysis Time..: 14:43		
Lead	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV961AH
		Dilution Factor: 1		Analysis Time..: 14:43		
Selenium	ND	0.25	mg/L	SW846 6010B	10/15-10/16/01	ELV961AJ
		Dilution Factor: 1		Analysis Time..: 14:43		
Silver	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	ELV961AK
		Dilution Factor: 1		Analysis Time..: 14:43		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

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

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: H1J100121 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J110000-458 Prep Batch #...: 1288126						
Leach Date.....: 10/11/01 Leach Batch #..: P128406						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	EL1HR1AA
		Dilution Factor: 1				
		Analysis Time..: 13:36				
Barium	0.0096 B	10.0	mg/L	SW846 6010B	10/15-10/16/01	EL1HR1AC
		Dilution Factor: 1				
		Analysis Time..: 13:36				
Cadmium	ND	0.10	mg/L	SW846 6010B	10/15-10/16/01	EL1HR1AD
		Dilution Factor: 1				
		Analysis Time..: 13:36				
Chromium	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	EL1HR1AE
		Dilution Factor: 1				
		Analysis Time..: 13:36				
Lead	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	EL1HR1AF
		Dilution Factor: 1				
		Analysis Time..: 13:36				
Selenium	ND	0.25	mg/L	SW846 6010B	10/15-10/16/01	EL1HR1AG
		Dilution Factor: 1				
		Analysis Time..: 13:36				
Silver	ND	0.50	mg/L	SW846 6010B	10/15-10/16/01	EL1HR1AH
		Dilution Factor: 1				
		Analysis Time..: 13:36				
MB Lot-Sample #: H1J110000-458 Prep Batch #...: 1287121						
Leach Date.....: 10/11/01 Leach Batch #..: P128406						
Mercury	ND	0.0020	mg/L	SW846 7470A	10/15/01	EL1HR1AJ
		Dilution Factor: 1				
		Analysis Time..: 16:42				
MB Lot-Sample #: H1J160000-308 Prep Batch #...: 1290339						
Leach Date.....: 10/16/01 Leach Batch #..: P128909						
Arsenic	ND	0.50	mg/L	SW846 6010B	10/18-10/23/01	EL7VW1AA
		Dilution Factor: 1				
		Analysis Time..: 12:55				

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METHOD BLANK REPORT

TCLP Metals

Client Lot #...: H1J100121 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Barium	**0.015 B**	**10.0**	**mg/L**	**SW846 6010B**	**10/18-10/23/01**	**EL7VW1AC**
		Dilution Factor: 1				
		Analysis Time..: 12:55				
Cadmium	ND	0.10	mg/L	SW846 6010B	10/18-10/23/01	EL7VW1AD
		Dilution Factor: 1				
		Analysis Time..: 12:55				
Chromium	ND	0.50	mg/L	SW846 6010B	10/18-10/23/01	EL7VW1AE
		Dilution Factor: 1				
		Analysis Time..: 12:55				
Lead	ND	0.50	mg/L	SW846 6010B	10/18-10/23/01	EL7VW1AF
		Dilution Factor: 1				
		Analysis Time..: 12:55				
Selenium	ND	0.25	mg/L	SW846 6010B	10/18-10/23/01	EL7VW1AG
		Dilution Factor: 1				
		Analysis Time..: 12:55				
Silver	ND	0.50	mg/L	SW846 6010B	10/18-10/23/01	EL7VW1AH
		Dilution Factor: 1				
		Analysis Time..: 12:55				

MB Lot-Sample #: H1J160000-308 **Prep Batch #...:** 1290370
Leach Date.....: 10/16/01 **Leach Batch #..:** P128909

Mercury	ND	0.0020	mg/L	SW846 7470A	10/21/01	EL7VW1AJ
		Dilution Factor: 1				
		Analysis Time..: 15:57				

NOTE(S):

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

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J100121 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J150000-369 Prep Batch #...: 1288369						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/16/01	EL6E71AA
		Dilution Factor: 1				
		Analysis Time..: 15:12				
MB Lot-Sample #: H1J170000-139 Prep Batch #...: 1290139						
Aluminum	ND	200	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AA
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Antimony	ND	60.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AC
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AD
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Barium	ND	200	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AE
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AF
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AG
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Calcium	ND	5000	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AH
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Chromium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AJ
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AK
		Dilution Factor: 1				
		Analysis Time..: 11:01				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J100121 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	ND	25.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AL
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Iron	ND	100	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AM
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Lead	ND	3.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AN
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Magnesium	ND	5000	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AP
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Manganese	ND	15.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AQ
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Nickel	ND	40.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AR
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Potassium	ND	5000	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AT
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Selenium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AU
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Silver	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AV
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Sodium	ND	5000	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AW
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Thallium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AX
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1A0
		Dilution Factor: 1				
		Analysis Time..: 11:01				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J100121 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	20.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1A1

Dilution Factor: 1

Analysis Time..: 11:01

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J100121 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J160000-381 **Prep Batch #...:** 1289381						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/17/01	EL8AG1AA
		Dilution Factor: 1				
		Analysis Time..: 15:09				
MB Lot-Sample #: H1J170000-143 **Prep Batch #...:** 1290143						
Aluminum	ND	200	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AG
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Antimony	ND	60.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AH
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AJ
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Barium	ND	200	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AK
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AL
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AM
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Calcium	ND	5000	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AN
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Chromium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AP
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AQ
		Dilution Factor: 1				
		Analysis Time..: 11:10				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J100121 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	ND	25.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AR
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Iron	ND	100	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AT
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Lead	ND	3.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AU
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Magnesium	ND	5000	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AV
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Manganese	ND	15.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AW
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Nickel	ND	40.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AX
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Potassium	ND	5000	ug/L	SW846 6010B	10/17-10/18/01	EL85P1A0
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Selenium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1A1
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Silver	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AA
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Sodium	ND	5000	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AC
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Thallium	5.6 B	10.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AD
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AE
		Dilution Factor: 1				
		Analysis Time..: 11:10				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J100121 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	20.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AF

Dilution Factor: 1
Analysis Time..: 11:10

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

TCLP Metals

Client Lot #...: H1J100121 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J140000-121 **Prep Batch #...:** 1287121							
Mercury	0.00500	0.00552	mg/L	110	SW846 7470A	10/15/01	EL5J71AA
			Dilution Factor: 1				
			Analysis Time..: 16:43				
LCS Lot-Sample#: H1J150000-126 **Prep Batch #...:** 1288126							
Arsenic	5.00	5.25	mg/L	105	SW846 6010B	10/15-10/16/01	EL5MA1AA
			Dilution Factor: 1				
			Analysis Time..: 13:40				
Barium	50.0	51.0	mg/L	102	SW846 6010B	10/15-10/16/01	EL5MA1AC
			Dilution Factor: 1				
			Analysis Time..: 13:40				
Cadmium	1.00	1.01	mg/L	101	SW846 6010B	10/15-10/16/01	EL5MA1AD
			Dilution Factor: 1				
			Analysis Time..: 13:40				
Chromium	5.00	5.08	mg/L	102	SW846 6010B	10/15-10/16/01	EL5MA1AE
			Dilution Factor: 1				
			Analysis Time..: 13:40				
Lead	5.00	5.02	mg/L	100	SW846 6010B	10/15-10/16/01	EL5MA1AF
			Dilution Factor: 1				
			Analysis Time..: 13:40				
Selenium	1.00	1.11	mg/L	111	SW846 6010B	10/15-10/16/01	EL5MA1AG
			Dilution Factor: 1				
			Analysis Time..: 13:40				
Silver	1.00	0.999	mg/L	100	SW846 6010B	10/15-10/16/01	EL5MA1AH
			Dilution Factor: 1				
			Analysis Time..: 13:40				
LCS Lot-Sample#: H1J170000-339 **Prep Batch #...:** 1290339							
Arsenic	5.00	5.12	mg/L	102	SW846 6010B	10/18-10/23/01	EL9T51AA
			Dilution Factor: 1				
			Analysis Time..: 12:59				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TCLP Metals

Client Lot #...: H1J100121 **Matrix.....:** SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Barium	50.0	50.0	mg/L	100	SW846 6010B	10/18-10/23/01	EL9T51AC
			Dilution Factor: 1				
			Analysis Time..: 12:59				
Cadmium	1.00	0.996	mg/L	100	SW846 6010B	10/18-10/23/01	EL9T51AD
			Dilution Factor: 1				
			Analysis Time..: 12:59				
Chromium	5.00	5.02	mg/L	100	SW846 6010B	10/18-10/23/01	EL9T51AE
			Dilution Factor: 1				
			Analysis Time..: 12:59				
Lead	5.00	4.92	mg/L	98	SW846 6010B	10/18-10/23/01	EL9T51AF
			Dilution Factor: 1				
			Analysis Time..: 12:59				
Selenium	1.00	1.12	mg/L	112	SW846 6010B	10/18-10/23/01	EL9T51AG
			Dilution Factor: 1				
			Analysis Time..: 12:59				
Silver	1.00	0.983	mg/L	98	SW846 6010B	10/18-10/23/01	EL9T51AH
			Dilution Factor: 1				
			Analysis Time..: 12:59				

LCS Lot-Sample#: H1J170000-370 **Prep Batch #...:** 1290370

Mercury	0.00500	0.00521	mg/L	104	SW846 7470A	10/21/01	EL9W31AA
			Dilution Factor: 1				
			Analysis Time..: 15:59				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J100121 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J150000-369 Prep Batch #...: 1288369							
Mercury	0.00500	0.00535	mg/L	107	SW846 7470A	10/16/01	EL6E71AC
			Dilution Factor: 1				
			Analysis Time..: 15:19				
LCS Lot-Sample#: H1J170000-139 Prep Batch #...: 1290139							
Aluminum	2000	2010	ug/L	100	SW846 6010B	10/17-10/18/01	EL85G1A2
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Antimony	500	492	ug/L	98	SW846 6010B	10/17-10/18/01	EL85G1A3
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Arsenic	2000	2020	ug/L	101	SW846 6010B	10/17-10/18/01	EL85G1A4
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Barium	2000	2000	ug/L	100	SW846 6010B	10/17-10/18/01	EL85G1A5
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Beryllium	50.0	52.0	ug/L	104	SW846 6010B	10/17-10/18/01	EL85G1A6
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Cadmium	50.0	50.2	ug/L	100	SW846 6010B	10/17-10/18/01	EL85G1A7
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Calcium	50000	50000	ug/L	100	SW846 6010B	10/17-10/18/01	EL85G1A8
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Chromium	200	202	ug/L	101	SW846 6010B	10/17-10/18/01	EL85G1A9
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Cobalt	500	508	ug/L	102	SW846 6010B	10/17-10/18/01	EL85G1CA
			Dilution Factor: 1				
			Analysis Time..: 11:06				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J100121 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	250	248	ug/L	99	SW846 6010B	10/17-10/18/01	EL85G1CC
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Iron	1000	1010	ug/L	101	SW846 6010B	10/17-10/18/01	EL85G1CD
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Lead	500	502	ug/L	100	SW846 6010B	10/17-10/18/01	EL85G1CE
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Magnesium	50000	49300	ug/L	99	SW846 6010B	10/17-10/18/01	EL85G1CF
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Manganese	500	513	ug/L	103	SW846 6010B	10/17-10/18/01	EL85G1CG
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Nickel	500	505	ug/L	101	SW846 6010B	10/17-10/18/01	EL85G1CH
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Potassium	50000	48100	ug/L	96	SW846 6010B	10/17-10/18/01	EL85G1CJ
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Selenium	2000	2060	ug/L	103	SW846 6010B	10/17-10/18/01	EL85G1CK
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Silver	50.0	49.9	ug/L	100	SW846 6010B	10/17-10/18/01	EL85G1CL
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Sodium	50000	49800	ug/L	100	SW846 6010B	10/17-10/18/01	EL85G1CM
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Thallium	2000	2030	ug/L	101	SW846 6010B	10/17-10/18/01	EL85G1CN
			Dilution Factor: 1				
			Analysis Time..: 11:06				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J100121 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	500	508	ug/L	102	SW846 6010B	10/17-10/18/01	EL85G1CP
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Zinc	500	527	ug/L	105	SW846 6010B	10/17-10/18/01	EL85G1CQ
			Dilution Factor: 1				
			Analysis Time..: 11:06				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J100121 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J160000-381 Prep Batch #...: 1289381							
Mercury	0.00500	0.00531	mg/L	106	SW846 7470A	10/17/01	EL8AG1AC
			Dilution Factor: 1				
			Analysis Time..: 15:12				
LCS Lot-Sample#: H1J170000-143 Prep Batch #...: 1290143							
Aluminum	2000	2050	ug/L	102	SW846 6010B	10/17-10/18/01	EL85P1A7
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Antimony	500	502	ug/L	100	SW846 6010B	10/17-10/18/01	EL85P1A8
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Arsenic	2000	2060	ug/L	103	SW846 6010B	10/17-10/18/01	EL85P1A9
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Barium	2000	2030	ug/L	102	SW846 6010B	10/17-10/18/01	EL85P1CA
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Beryllium	50.0	53.2	ug/L	106	SW846 6010B	10/17-10/18/01	EL85P1CC
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Cadmium	50.0	51.0	ug/L	102	SW846 6010B	10/17-10/18/01	EL85P1CD
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Calcium	50000	51100	ug/L	102	SW846 6010B	10/17-10/18/01	EL85P1CE
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Chromium	200	207	ug/L	103	SW846 6010B	10/17-10/18/01	EL85P1CF
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Cobalt	500	519	ug/L	104	SW846 6010B	10/17-10/18/01	EL85P1CG
			Dilution Factor: 1				
			Analysis Time..: 11:15				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J100121

Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	250	254	ug/L	102	SW846 6010B	10/17-10/18/01	EL85P1CH
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Iron	1000	1030	ug/L	103	SW846 6010B	10/17-10/18/01	EL85P1CJ
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Lead	500	511	ug/L	102	SW846 6010B	10/17-10/18/01	EL85P1CK
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Magnesium	50000	50400	ug/L	101	SW846 6010B	10/17-10/18/01	EL85P1CL
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Manganese	500	524	ug/L	105	SW846 6010B	10/17-10/18/01	EL85P1CM
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Nickel	500	514	ug/L	103	SW846 6010B	10/17-10/18/01	EL85P1CN
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Potassium	50000	49000	ug/L	98	SW846 6010B	10/17-10/18/01	EL85P1CP
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Selenium	2000	2100	ug/L	105	SW846 6010B	10/17-10/18/01	EL85P1CQ
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Silver	50.0	51.0	ug/L	102	SW846 6010B	10/17-10/18/01	EL85P1A2
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Sodium	50000	50900	ug/L	102	SW846 6010B	10/17-10/18/01	EL85P1A3
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Thallium	2000	2080	ug/L	104	SW846 6010B	10/17-10/18/01	EL85P1A4
			Dilution Factor: 1				
			Analysis Time..: 11:15				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J100121 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	500	518	ug/L	104	SW846 6010B	10/17-10/18/01	EL85P1A5
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Zinc	500	538	ug/L	108	SW846 6010B	10/17-10/18/01	EL85P1A6
			Dilution Factor: 1				
			Analysis Time..: 11:15				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: H1J100121 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J140000-121 **Prep Batch #...:** 1287121					
Mercury	110	(80 - 120)	SW846 7470A Dilution Factor: 1 Analysis Time..: 16:43	10/15/01	EL5J71AA
LCS Lot-Sample#: H1J150000-126 **Prep Batch #...:** 1288126					
Arsenic	105	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 13:40	10/15-10/16/01	EL5MA1AA
Barium	102	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 13:40	10/15-10/16/01	EL5MA1AC
Cadmium	101	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 13:40	10/15-10/16/01	EL5MA1AD
Chromium	102	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 13:40	10/15-10/16/01	EL5MA1AE
Lead	100	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 13:40	10/15-10/16/01	EL5MA1AF
Selenium	111	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 13:40	10/15-10/16/01	EL5MA1AG
Silver	100	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 13:40	10/15-10/16/01	EL5MA1AH
LCS Lot-Sample#: H1J170000-339 **Prep Batch #...:** 1290339					
Arsenic	102	(80 - 120)	SW846 6010B Dilution Factor: 1 Analysis Time..: 12:59	10/18-10/23/01	EL9T51AA

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: H1J100121 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Barium	100	(80 - 120)	SW846 6010B	10/18-10/23/01	EL9T51AC
		Dilution Factor: 1			
		Analysis Time..: 12:59			
Cadmium	100	(80 - 120)	SW846 6010B	10/18-10/23/01	EL9T51AD
		Dilution Factor: 1			
		Analysis Time..: 12:59			
Chromium	100	(80 - 120)	SW846 6010B	10/18-10/23/01	EL9T51AE
		Dilution Factor: 1			
		Analysis Time..: 12:59			
Lead	98	(80 - 120)	SW846 6010B	10/18-10/23/01	EL9T51AF
		Dilution Factor: 1			
		Analysis Time..: 12:59			
Selenium	112	(80 - 120)	SW846 6010B	10/18-10/23/01	EL9T51AG
		Dilution Factor: 1			
		Analysis Time..: 12:59			
Silver	98	(80 - 120)	SW846 6010B	10/18-10/23/01	EL9T51AH
		Dilution Factor: 1			
		Analysis Time..: 12:59			

LCS Lot-Sample#: H1J170000-370 **Prep Batch #...:** 1290370

Mercury	104	(80 - 120)	SW846 7470A	10/21/01	EL9W31AA
		Dilution Factor: 1			
		Analysis Time..: 15:59			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J100121 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J150000-369 **Prep Batch #...:** 1288369					
Mercury	107	(90 - 110)	SW846 7470A Dilution Factor: 1 Analysis Time..: 15:19	10/16/01	EL6E71AC
LCS Lot-Sample#: H1J170000-139 **Prep Batch #...:** 1290139					
Aluminum	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1A2
Antimony	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1A3
Arsenic	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1A4
Barium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1A5
Beryllium	104	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1A6
Cadmium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1A7
Calcium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1A8
Chromium	101	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1A9
Cobalt	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1CA

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J100121 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	99	(88 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1CC
Iron	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1CD
Lead	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1CE
Magnesium	99	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1CF
Manganese	103	(90 - 111)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1CG
Nickel	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1CH
Potassium	96	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1CJ
Selenium	103	(90 - 114)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1CK
Silver	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1CL
Sodium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1CM
Thallium	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1CN

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J100121 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	102	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85G1CP
		Dilution Factor: 1			
		Analysis Time..: 11:06			
Zinc	105	(90 - 115)	SW846 6010B	10/17-10/18/01	EL85G1CQ
		Dilution Factor: 1			
		Analysis Time..: 11:06			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J100121 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J160000-381 **Prep Batch #...:** 1289381					
Mercury	106	(90 - 110)	SW846 7470A Dilution Factor: 1 Analysis Time..: 15:12	10/17/01	EL8AG1AC
LCS Lot-Sample#: H1J170000-143 **Prep Batch #...:** 1290143					
Aluminum	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1A7
Antimony	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1A8
Arsenic	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1A9
Barium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1CA
Beryllium	106	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1CC
Cadmium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1CD
Calcium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1CE
Chromium	103	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1CF
Cobalt	104	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1CG

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J100121 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	102	(88 - 110)	SW846 6010B	10/17-10/18/01	EL85P1CH
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Iron	103	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85P1CJ
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Lead	102	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85P1CK
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Magnesium	101	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85P1CL
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Manganese	105	(90 - 111)	SW846 6010B	10/17-10/18/01	EL85P1CM
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Nickel	103	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85P1CN
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Potassium	98	(89 - 110)	SW846 6010B	10/17-10/18/01	EL85P1CP
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Selenium	105	(90 - 114)	SW846 6010B	10/17-10/18/01	EL85P1CQ
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Silver	102	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85P1A2
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Sodium	102	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85P1A3
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Thallium	104	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85P1A4
		Dilution Factor: 1			
		Analysis Time..: 11:15			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J100121 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	104	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85P1A5
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Zinc	108	(90 - 115)	SW846 6010B	10/17-10/18/01	EL85P1A6
		Dilution Factor: 1			
		Analysis Time..: 11:15			

NOTE(S):

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

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3037

General Chemistry

Lot-Sample #...: H1J100121-001 Work Order #...: ELV82 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	12.3	1.0	mg/L	SW846 9060	11/01/01	1306317

Dilution Factor: 1

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3032

General Chemistry

Lot-Sample #...: H1J100121-002 Work Order #...: ELV83 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	260	10.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 10				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/17-10/18/01	1295391
		Dilution Factor: 1				
Hardness, as CaCO3	1910	125	mg/L	MCAWW 130.2	10/25/01	1298557
		Dilution Factor: 25				
Nitrate	ND	1.0	mg/L	MCAWW 353.2	10/10/01	1285395
		Dilution Factor: 10				
Sulfate	1280	250	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 50				
Total Alkalinity	473 J	5.0	mg/L	MCAWW 310.1	10/11/01	1288573
		Dilution Factor: 1				
Total Dissolved Solids	2560	20.0	mg/L	MCAWW 160.1	10/14-10/15/01	1288212
		Dilution Factor: 2				
Total Organic Carbon	3.7	1.0	mg/L	SW846 9060	11/01/01	1306317
		Dilution Factor: 1				
Total Suspended Solids	200	4.0	mg/L	MCAWW 160.2	10/16/01	1290170
		Dilution Factor: 1				
Turbidity	188	12.5	NTU	MCAWW 180.1	10/10/01	1284390
		Dilution Factor: 25				

NOTE(S):

RL Reporting Limit

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3029

General Chemistry

Lot-Sample #...: H1J100121-003 Work Order #...: ELV86 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	149	5.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 5				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/17-10/18/01	1295391
		Dilution Factor: 1				
Hardness, as CaCO3	566	25.0	mg/L	MCAWW 130.2	10/25/01	1298557
		Dilution Factor: 5				
Nitrate	ND	1.0	mg/L	MCAWW 353.2	10/10/01	1285395
		Dilution Factor: 10				
Sulfate	21.4	5.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1				
Total Alkalinity	697 J	5.0	mg/L	MCAWW 310.1	10/11/01	1288573
		Dilution Factor: 1				
Total Dissolved Solids	948	10.0	mg/L	MCAWW 160.1	10/14-10/15/01	1288212
		Dilution Factor: 1				
Total Organic Carbon	3.0	1.0	mg/L	SW846 9060	11/01/01	1306317
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	10/16/01	1290170
		Dilution Factor: 1				
Turbidity	266	25.0	NTU	MCAWW 180.1	10/10/01	1284390
		Dilution Factor: 50				

NOTE(S):

RL Reporting Limit

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3028

General Chemistry

Lot-Sample #...: H1J100121-004 Work Order #...: ELV87 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	2480	25.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 25				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/17-10/18/01	1295380
		Dilution Factor: 1				
Hardness, as CaCO3	5410	125	mg/L	MCAWW 130.2	10/25/01	1298557
		Dilution Factor: 25				
Nitrate	ND	1.0	mg/L	MCAWW 353.2	10/10/01	1285395
		Dilution Factor: 10				
Sulfate	85.8	50.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 10				
Total Alkalinity	227 J	5.0	mg/L	MCAWW 310.1	10/11/01	1288573
		Dilution Factor: 1				
Total Dissolved Solids	3080	40.0	mg/L	MCAWW 160.1	10/14-10/15/01	1288212
		Dilution Factor: 4				
Total Organic Carbon	6.2	1.0	mg/L	SW846 9060	11/01/01	1306317
		Dilution Factor: 1				
Total Suspended Solids	292	4.0	mg/L	MCAWW 160.2	10/16/01	1290170
		Dilution Factor: 1				
Turbidity	324	25.0	NTU	MCAWW 180.1	10/10/01	1284390
		Dilution Factor: 50				

NOTE(S):

RL Reporting Limit

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3019

General Chemistry

Lot-Sample #...: H1J100121-005 Work Order #...: ELV88 Matrix.....: WATER
Date Sampled...: 10/09/01 Date Received..: 10/10/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	1910	25.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 25				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/17-10/18/01	1295391
		Dilution Factor: 1				
Hardness, as CaCO3	855	25.0	mg/L	MCAWW 130.2	10/25/01	1298557
		Dilution Factor: 5				
Nitrate	ND	1.0	mg/L	MCAWW 353.2	10/10/01	1285395
		Dilution Factor: 10				
Sulfate	89.2	50.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 10				
Total Alkalinity	382 J	5.0	mg/L	MCAWW 310.1	10/11/01	1288573
		Dilution Factor: 1				
Total Dissolved Solids	2570	40.0	mg/L	MCAWW 160.1	10/14-10/15/01	1288212
		Dilution Factor: 4				
Total Organic Carbon	8.4	1.0	mg/L	SW846 9060	11/01/01	1306317
		Dilution Factor: 1				
Total Suspended Solids	ND	4.0	mg/L	MCAWW 160.2	10/16/01	1290170
		Dilution Factor: 1				
Turbidity	203	12.5	NTU	MCAWW 180.1	10/10/01	1284390
		Dilution Factor: 25				

NOTE(S):

RL Reporting Limit

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9012

General Chemistry

Lot-Sample #...: H1J100121-012 Work Order #...: ELV9P Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
% Moisture.....: 23

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	8.0	1.0	No Units	SW846 9045A	10/11/01	1287141
		Dilution Factor: 1				
Flashpoint	>180		deg F	SW846 1010	10/24/01	1298095
		Dilution Factor: 1				
Percent Moisture	22.9	0.10	%	MCAWW 160.3 MOD	10/10-10/11/01	1284460
		Dilution Factor: 1				
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/25/01	1299092
		Dilution Factor: 1				
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/25/01	1299093
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9013

General Chemistry

Lot-Sample #...: H1J100121-013 Work Order #...: ELV9W Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
% Moisture.....: 22

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	7.3	1.0	No Units	SW846 9045A	10/11/01	1287141
	Dilution Factor: 1					
Flashpoint	>180		deg F	SW846 1010	10/24/01	1298095
	Dilution Factor: 1					
Percent Moisture	22.4	0.10	%	MCAWW 160.3 MOD	10/10-10/11/01	1284460
	Dilution Factor: 1					
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/25/01	1299092
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/25/01	1299093
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9014

General Chemistry

Lot-Sample #...: H1J100121-014 Work Order #...: ELV9X Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
% Moisture.....: 9.8

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	8.1	1.0	No Units	SW846 9045A	10/11/01	1287141
	Dilution Factor: 1					
Flashpoint	>180		deg F	SW846 1010	10/24/01	1298095
	Dilution Factor: 1					
Percent Moisture	9.8	0.10	%	MCAWW 160.3 MOD	10/10-10/11/01	1284460
	Dilution Factor: 1					
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/25/01	1299092
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/25/01	1299093
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9015

General Chemistry

Lot-Sample #...: H1J100121-015 Work Order #...: ELV90 Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
% Moisture.....: 24

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	8.1	1.0	No Units	SW846 9045A	10/11/01	1287141
	Dilution Factor: 1					
Flashpoint	>180		deg F	SW846 1010	10/24/01	1298095
	Dilution Factor: 1					
Percent Moisture	23.9	0.10	%	MCAWW 160.3 MOD	10/10-10/11/01	1284460
	Dilution Factor: 1					
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/25/01	1299092
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/25/01	1299093
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9016

General Chemistry

Lot-Sample #...: H1J100121-016 Work Order #...: ELV92 Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
% Moisture.....: 21

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	7.4	1.0	No Units	SW846 9045A	10/11/01	1287141
	Dilution Factor: 1					
Flashpoint	>180		deg F	SW846 1010	10/24/01	1298095
	Dilution Factor: 1					
Percent Moisture	21.3	0.10	%	MCAWW 160.3 MOD	10/10-10/11/01	1284460
	Dilution Factor: 1					
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/25/01	1299092
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/25/01	1299093
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9017

General Chemistry

Lot-Sample #...: H1J100121-017 Work Order #...: ELV93 Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
% Moisture.....: 56

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	11.3	1.0	No Units	SW846 9045A	10/11/01	1287141
		Dilution Factor: 1				
Flashpoint	>180		deg F	SW846 1010	10/25/01	1299091
		Dilution Factor: 1				
Percent Moisture	55.8	0.10	%	MCAWW 160.3 MOD	10/10-10/11/01	1284460
		Dilution Factor: 1				
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/25/01	1299092
		Dilution Factor: 1				
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/25/01	1299093
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9018

General Chemistry

Lot-Sample #...: H1J100121-018 Work Order #...: ELV94 Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
% Moisture.....: 27

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	9.4	1.0	No Units	SW846 9045A	10/11/01	1287141
		Dilution Factor: 1				
Flashpoint	>180		deg F	SW846 1010	10/25/01	1299091
		Dilution Factor: 1				
Percent Moisture	26.6	0.10	%	MCAWW 160.3 MOD	10/10-10/11/01	1284460
		Dilution Factor: 1				
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/25/01	1299092
		Dilution Factor: 1				
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/25/01	1299093
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9019

General Chemistry

Lot-Sample #...: H1J100121-019 Work Order #...: ELV95 Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
% Moisture.....: 52

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	10.9	1.0	No Units	SW846 9045A	10/11/01	1287141
	Dilution Factor: 1					
Flashpoint	>180		deg F	SW846 1010	10/25/01	1299091
	Dilution Factor: 1					
Percent Moisture	52.0	0.10	%	MCAWW 160.3 MOD	10/10-10/11/01	1284460
	Dilution Factor: 1					
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/25/01	1299092
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/25/01	1299093
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: BA9020

General Chemistry

Lot-Sample #...: H1J100121-020 Work Order #...: ELV96 Matrix.....: SOLID
Date Sampled...: 10/06/01 Date Received..: 10/10/01
% Moisture.....: 15

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	7.2	1.0	No Units	SW846 9045A	10/11/01	1287141
	Dilution Factor: 1					
Flashpoint	>180		deg F	SW846 1010	10/25/01	1299091
	Dilution Factor: 1					
Percent Moisture	15.4	0.10	%	MCAWW 160.3 MOD	10/10-10/11/01	1284460
	Dilution Factor: 1					
Reactive Cyanide	12.5 B,J	200	mg/kg	SW846 7.3.3	10/25/01	1299092
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	10/25/01	1299093
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1J100121 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JP1AA		MB Lot-Sample #:	A1J140000-110	
	ND	1.0	mg/L	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 1				
Cyanide, Total		Work Order #: EMJ221AA		MB Lot-Sample #:	H1J220000-380	
	ND	0.010	mg/L	SW846 9012A	10/17-10/18/01	1295380
		Dilution Factor: 1				
Cyanide, Total		Work Order #: EMJ3Q1AA		MB Lot-Sample #:	H1J220000-391	
	ND	0.010	mg/L	SW846 9012A	10/17-10/18/01	1295391
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: EMTN61AA		MB Lot-Sample #:	A1J250000-557	
	ND	5.0	mg/L	MCAWW 130.2	10/25/01	1298557
		Dilution Factor: 1				
Nitrate		Work Order #: EL4JC1AA		MB Lot-Sample #:	A1J120000-395	
	ND	0.10	mg/L	MCAWW 353.2	10/10/01	1285395
		Dilution Factor: 1				
Sulfate		Work Order #: EL8KW1AA		MB Lot-Sample #:	A1J160000-369	
	ND	5.0	mg/L	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1				
Total Alkalinity		Work Order #: EL6XE1AA		MB Lot-Sample #:	A1J150000-573	
	1.7 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/11/01**	**1288573**
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: EL50D1AA		MB Lot-Sample #:	A1J150000-212	
	ND	10.0	mg/L	MCAWW 160.1	10/14-10/15/01	1288212
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: EM9GK1AA		MB Lot-Sample #:	A1K020000-317	
	ND	1.0	mg/L	SW846 9060	11/01/01	1306317
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: EL8671AA		MB Lot-Sample #:	A1J170000-170	
	ND	4.0	mg/L	MCAWW 160.2	10/16/01	1290170
		Dilution Factor: 1				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1J100121 Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Reactive Cyanide		Work Order #: EMT0T1AA		MB Lot-Sample #:	A1J260000-092	
	12.5 B	200	mg/kg	SW846 7.3.3	10/25/01	1299092
		Dilution Factor: 1				
Reactive Sulfide		Work Order #: EMT0H1AA		MB Lot-Sample #:	A1J260000-093	
	ND	200	mg/kg	SW846 7.3.4	10/25/01	1299093
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J100121 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated			Work Order #: EL5JP1AC LCS Lot-Sample#: A1J140000-110				
	124	129	mg/L	104	MCAWW 325.2	10/14/01	1287110
			Dilution Factor: 1				
Cyanide, Total			Work Order #: EMJ221AC LCS Lot-Sample#: H1J220000-380				
	0.200	0.209	mg/L	104	SW846 9012A	10/17-10/18/01	1295380
			Dilution Factor: 1				
Cyanide, Total			Work Order #: EMJ3Q1AC LCS Lot-Sample#: H1J220000-391				
	0.200	0.191	mg/L	96	SW846 9012A	10/17-10/18/01	1295391
			Dilution Factor: 1				
Hardness, as CaCO3			Work Order #: EMTN61AC LCS Lot-Sample#: A1J250000-557				
	267	270	mg/L	101	MCAWW 130.2	10/25/01	1298557
			Dilution Factor: 1				
Nitrate			Work Order #: EL4JC1AC LCS Lot-Sample#: A1J120000-395				
	0.500	0.441	mg/L	88	MCAWW 353.2	10/10/01	1285395
			Dilution Factor: 1				
Sulfate			Work Order #: EL8KW1AC LCS Lot-Sample#: A1J160000-369				
	18.3	19.6	mg/L	107	MCAWW 375.4	10/16/01	1289369
			Dilution Factor: 1				
Total Alkalinity			Work Order #: EL6XE1AC LCS Lot-Sample#: A1J150000-573				
	18.3	18.1	mg/L	99	MCAWW 310.1	10/11/01	1288573
			Dilution Factor: 1				
Total Dissolved Solids			Work Order #: EL50D1AC LCS Lot-Sample#: A1J150000-212				
	281	285	mg/L	101	MCAWW 160.1	10/14-10/15/01	1288212
			Dilution Factor: 1				
Total Organic Carbon			Work Order #: EM9GK1AC LCS Lot-Sample#: A1K020000-317				
	50.4	48.2	mg/L	96	SW846 9060	11/01/01	1306317
			Dilution Factor: 1				
Total Suspended Solids			Work Order #: EL8671AC LCS Lot-Sample#: A1J170000-170				
	62.2	59.0	mg/L	95	MCAWW 160.2	10/16/01	1290170
			Dilution Factor: 1				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J100121 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Turbidity			Work Order #:	EL06N1AC	LCS Lot-Sample#:	A1J110000-390	
	1.00	1.06	NTU	106	MCAWW 180.1	10/10/01	1284390
			Dilution Factor: 1				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J100121 Matrix.....: SOLID

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity			Work Order #:	EMAAR1AA	LCS Lot-Sample#:	A1J140000-141	
	9.50	9.35	No Units	98	SW846 9045A	10/11/01	1287141
			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 #...: H1J100121 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JP1AC	LCS Lot-Sample#: A1J140000-110		
	104	(90 - 115)	MCAWW 325.2	10/14/01	1287110
		Dilution Factor: 1			
Cyanide, Total		Work Order #: EMJ221AC	LCS Lot-Sample#: H1J220000-380		
	104	(88 - 113)	SW846 9012A	10/17-10/18/01	1295380
		Dilution Factor: 1			
Cyanide, Total		Work Order #: EMJ3Q1AC	LCS Lot-Sample#: H1J220000-391		
	96	(88 - 113)	SW846 9012A	10/17-10/18/01	1295391
		Dilution Factor: 1			
Hardness, as CaCO3		Work Order #: EMTN61AC	LCS Lot-Sample#: A1J250000-557		
	101	(84 - 116)	MCAWW 130.2	10/25/01	1298557
		Dilution Factor: 1			
Nitrate		Work Order #: EL4JC1AC	LCS Lot-Sample#: A1J120000-395		
	88	(77 - 116)	MCAWW 353.2	10/10/01	1285395
		Dilution Factor: 1			
Sulfate		Work Order #: EL8KW1AC	LCS Lot-Sample#: A1J160000-369		
	107	(80 - 112)	MCAWW 375.4	10/16/01	1289369
		Dilution Factor: 1			
Total Alkalinity		Work Order #: EL6XE1AC	LCS Lot-Sample#: A1J150000-573		
	99	(90 - 127)	MCAWW 310.1	10/11/01	1288573
		Dilution Factor: 1			
Total Dissolved Solids		Work Order #: EL50D1AC	LCS Lot-Sample#: A1J150000-212		
	101	(69 - 120)	MCAWW 160.1	10/14-10/15/01	1288212
		Dilution Factor: 1			
Total Organic Carbon		Work Order #: EM9GK1AC	LCS Lot-Sample#: A1K020000-317		
	96	(88 - 115)	SW846 9060	11/01/01	1306317
		Dilution Factor: 1			
Total Suspended Solids		Work Order #: EL8671AC	LCS Lot-Sample#: A1J170000-170		
	95	(66 - 119)	MCAWW 160.2	10/16/01	1290170
		Dilution Factor: 1			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: H1J100121 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Turbidity		Work Order #: EL06N1AC	LCS Lot-Sample#: A1J110000-390		
	106	(75 - 125)	MCAWW 180.1	10/10/01	1284390
		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 #...: H1J100121 Matrix.....: SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity		Work Order #: EMAAR1AA	LCS Lot-Sample#: A1J140000-141		
	98	(97 - 103)	SW846 9045A	10/11/01	1287141
		Dilution Factor: 1			

NOTE(S):

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

Sample Receipt Documentation

H1J100121

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100901STL-K

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Kessler
Profit Center:
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/09/01
Laboratory Destination: STL - Knoxville
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 830345881162

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD3037 //	Water	10/09/01 14:50	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)	-Ph8, preserved in	Lab with HNO3 to Ph2 By MFH
BD3032 //	Water	10/09/01 11:15	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide-Ph11	-Ph2 -Preserved in Lab	with NAOH to Ph12 By MFH
BD3029 //	Water	10/09/01 09:35	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered) Cyanide-Ph11	-Ph2 -Preserved in Lab	with NAOH to Ph12 By MFH
BD3028 //	Water	10/09/01 11:45	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered) Cyanide Ph11	-Ph2 -Preserved in	Lab with NAOH to Ph12 By MFH
BD3019 //	Water	10/09/01 08:50	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide-Ph12	-Ph2	
TB100901A /	Water	10/09/01 18:00	VOA vials	80 ml	Ice HCl	Volatiles	Rec'd temp 4°C	
	See Page Two for additional samples						Custody Seals intact Fedex# 830345	881162
							MFH 10-10-01	

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: 21 DAYS Rush:

Level of QC Required:
I. ____ II. ____ III. ____ Project Specific: ____

1. Relinquished by: Hugh R. Adams — Date: 10-9-01 Time: 18:10
1. Received by: Matthew J. Howard — Date: 10-10-01 Time: 08:30
2. Relinquished by: — Date: Time:
2. Received by: — Date: Time:
3. Relinquished by: — Date: Time:
2. Received by: — Date: Time:

Comments: Note: No Cyanide sample was shipped for BD3037 due to insufficient sample.
Thank You

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HTJ100121

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100901STL-K

Project Name/No. Plumbrook Ordinace Works / 825635 Laboratory Destination: STL - Knoxville Sample Shipment Date: 10/09/01

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BA9012	Soil	10/06/01 09:45	WMGJ (4 each)	16 oz.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOA, Corrosivity, Ignitability, Reactivity		
BA9013	Soil	10/06/01 10:00	WMGJ (4 each)	16 oz.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOA, Corrosivity, Ignitability, Reactivity		
BA9014	Soil	10/06/01 10:10	WMGJ (4 each)	16 oz.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOA, Corrosivity, Ignitability, Reactivity		
BA9015	Soil	10/06/01 10:20	WMGJ (4 each)	16 oz.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOA, Corrosivity, Ignitability, Reactivity		
BA9016	Soil	10/06/01 10:30	WMGJ (4 each)	16 oz.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOA, Corrosivity, Ignitability, Reactivity		
BA9017	Soil	10/06/01 10:50	WMGJ (4 each)	16 oz.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOA, Corrosivity, Ignitability, Reactivity		
BA9018	Soil	10/06/01 11:30	WMGJ (4 each)	16 oz.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOA, Corrosivity, Ignitability, Reactivity		
BA9019	Soil	10/06/01 12:00	WMGJ (4 each)	16 oz.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOA, Corrosivity, Ignitability, Reactivity		
BA9020	Soil	10/06/01 12:20	WMGJ (4 each)	16 oz.	ICE	Explosives, TCLP Metals, TCLP SVOC, TCLP VOA, Corrosivity, Ignitability, Reactivity		
				10-9-01				
				18:10				

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STL KNOXVILLE
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Page 1 of 2

CLIENT: IT. Corp. PROJECT: Plumbrook ordinace works Lot No.: H1J100121

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?	✓		
(NOTE: North Carolina, 1668, 1613B have 0-4°C requirement)			
c. Were samples received with correct preservative (excluding Encore)? MFH 10-10-01	✗	✓	
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 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? MFH 10-10-01	✗	✓	
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: Matthew J Howard DATE: 10-10-01

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 44281			
b. Informed Login associates of special instructions ?			

2. If custody seals were missing/not intact, was client notified? ___ ___ ___

PROJECT MANAGER : _____ DATE: _____

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
BD3037	MFH ~~Filtered~~ unfiltered Metal	4e	Rec'd pH8 Preserved to pH2 with HNO3 by MFH in Lab
BD3032	cyanide		Rec'd pH11, Preserved to pH12 with NaOH by MFH in Lab
3029			
3028			
BD3029	VOAs	3e	Rec'd 2 of 3 40ml's with Headspace
	Cyanide	6b	COC Does not show cyanide test

☒ Client informed on 10/12/01 by email. Person contacted: M McMyler.
☐ Noted actions in comments section above.
☒ No action necessary; process as is.
Project Manager: JM Date: 10/12/01

STL KNOXVILLE
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 received with < ½ holding time remaining
	4e Sample preservative: Metal ph 8, Cyanide ph 11
	4f 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: _____

MFH 10-10-01

Other (8): _____

STL KNOXVILLE

SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

 Lot # HIJ100121

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
BD3028	Cyanide	6b	COC Does not show cyanide +
BD3037	Filtered metal	4e	sample would not Perserve to PH 2 in La

STL KNOXVILLE
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 received with < ½ holding time remaining
	4e Sample preservative: Attempted to Preserve to pH 2 But sample would not.
	4f 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): _____

STL KNOXVILLE

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT PROJECT: PBOW Lot No.: H1J100121

TO BE COMPETED BY PROJECT MANAGER:

1. Client Documents (Request for Analysis/Chain of Custody):	YES	NO	NA
a. Was QuanTIMS lot number documented on all paperwork?	X		
b. Was RFA/COC signed upon receipt, including date/time?	X		
c. Is preservative check (pH) noted on RFA/COC?	X		
d. Is cooler temperature & custody seal condition noted on COC?	X		

2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	X		
b. Were tests/parameters assigned correctly?	X		
c. Were correct analytical and report due dates assigned?	X		
d. Has the correct fax due date been assigned to the lot?			X
e. Is the correct report format noted in the lot summary?	X		
f. Is percent moisture logged for samples requiring this analysis?	X		
g. Are client assigned QC samples properly defined?			X

3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?			X
b If the purchase order number is given, is it noted in Lot header?			X
c. If samples were subcontracted, was copy of COC in folder?	X		

4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?			X
b Is SDG number noted in Lot header & sample comments?			X
c. If SDG is complete, has the due date been revised & marked closed?			X

5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	X		
b. Was there a CUR?	X		
c. Were all issues resolved?			X

LOT FOLDER REVIEWED BY: JM DATE: 10/11/01

Severn Trent Laboratories, Inc
SAMPLE ANALYSIS REQUISITION

LABORATORY: STL N Canton
4101 Shuffel Drive NW
North Canton OH 44720,DAM ER

NEED ANALYTICAL REPORT BY
10/25/01
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR034046

CLIENT CODE: 99266 PROJECT MANAGER: Jamie A. McKinney

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
~~H1J100121-005~~	~~10/09/01~~	~~Turbidity (180.1)~~
ELV88-1-AK		(TURBID) METHOD: 180.1
H1J100121-005	10/09/01	Alkalinity, Total (310.1)
ELV88-1-AL		(ALK-T) METHOD: 310.1
H1J100121-005	10/09/01	Chloride (325.2, Automated)
ELV88-1-CA		(CL) METHOD: 325.2
H1J100121-005	10/09/01	Nitrate-Nitrite (353.2, Automated)
ELV88-1-CC		(NO3) METHOD: 353.2
H1J100121-005	10/09/01	Sulfate (Turbidimetric - 375.4)
ELV88-1-CD		(SO4-TURB) METHOD: 375.4
H1J100121-005	10/09/01	Carbon, Total Organic "TOC" (9060)
ELV88-1-CE		(TOC) METHOD: 9060
~~H1J100121-005~~	~~10/09/01~~	~~Hardness, Total (130.2, titrimetric)~~ BKD 10-10-01
ELV88-1-CG		(HARDNESS) METHOD: 130.2
H1J100121-012	10/06/01	Cyanide, Reactive (SW7.3.3)
ELV9P-1-AR		(CNREACT) METHOD: 7.3.3
H1J100121-012	10/06/01	Sulfide, Reactive (SW7.3.4)
ELV9P-1-AT		(SULREACT) METHOD: 7.3.4
H1J100121-012	10/06/01	Corrosivity (9045)
ELV9P-1-AU		(CORROS) METHOD: 9045A

Airborne# 73322382 372

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* CONTINUED *
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Severn Trent Laboratories, Inc
SAMPLE ANALYSIS REQUISITION

LABORATORY: STL N Canton
4101 Shuffel Drive NW
North Canton OH 44720,DAM ER

NEED ANALYTICAL REPORT BY
10/25/01
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR034046

CLIENT CODE: 99266 PROJECT MANAGER: Jamie A. McKinney

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H1J100121-012 ELV9P-1-AV	10/06/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010
H1J100121-013 ELV9W-1-AR	10/06/01	Cyanide, Reactive (SW7.3.3) (CNREACT) METHOD: 7.3.3
H1J100121-013 ELV9W-1-AT	10/06/01	Sulfide, Reactive (SW7.3.4) (SULREACT) METHOD: 7.3.4
H1J100121-013 ELV9W-1-AU	10/06/01	Corrosivity (9045) (CORROS) METHOD: 9045A
H1J100121-013 ELV9W-1-AV	10/06/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010
H1J100121-014 ELV9X-1-AR	10/06/01	Cyanide, Reactive (SW7.3.3) (CNREACT) METHOD: 7.3.3
H1J100121-014 ELV9X-1-AT	10/06/01	Sulfide, Reactive (SW7.3.4) (SULREACT) METHOD: 7.3.4
H1J100121-014 ELV9X-1-AU	10/06/01	Corrosivity (9045) (CORROS) METHOD: 9045A
H1J100121-014 ELV9X-1-AV	10/06/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010
H1J100121-015 ELV90-1-AR	10/06/01	Cyanide, Reactive (SW7.3.3) (CNREACT) METHOD: 7.3.3

****
* CONTINUED *
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Severn Trent Laboratories, Inc
SAMPLE ANALYSIS REQUISITION

LABORATORY: STL N Canton
4101 Shuffel Drive NW
North Canton OH 44720,DAM ER

NEED ANALYTICAL REPORT BY
10/25/01
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR034046

CLIENT CODE: 99266 PROJECT MANAGER: Jamie A. McKinney

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H1J100121-015 ELV90-1-AT	10/06/01	Sulfide, Reactive (SW7.3.4) (SULREACT) METHOD: 7.3.4
H1J100121-015 ELV90-1-AU	10/06/01	Corrosivity (9045) (CORROS) METHOD: 9045A
H1J100121-015 ELV90-1-AV	10/06/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010
H1J100121-016 ELV92-1-AR	10/06/01	Cyanide, Reactive (SW7.3.3) (CNREACT) METHOD: 7.3.3
H1J100121-016 ELV92-1-AT	10/06/01	Sulfide, Reactive (SW7.3.4) (SULREACT) METHOD: 7.3.4
H1J100121-016 ELV92-1-AU	10/06/01	Corrosivity (9045) (CORROS) METHOD: 9045A
H1J100121-016 ELV92-1-AV	10/06/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010
H1J100121-017 ELV93-1-AR	10/06/01	Cyanide, Reactive (SW7.3.3) (CNREACT) METHOD: 7.3.3
H1J100121-017 ELV93-1-AT	10/06/01	Sulfide, Reactive (SW7.3.4) (SULREACT) METHOD: 7.3.4
H1J100121-017 ELV93-1-AU	10/06/01	Corrosivity (9045) (CORROS) METHOD: 9045A

****
* CONTINUED *
****

Severn Trent Laboratories, Inc
SAMPLE ANALYSIS REQUISITION

LABORATORY: STL N Canton
4101 Shuffel Drive NW
North Canton OH 44720,DAM ER

NEED ANALYTICAL REPORT BY
10/25/01
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR034046

CLIENT CODE: 99266 PROJECT MANAGER: Jamie A. McKinney

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H1J100121-017 ELV93-1-AV	10/06/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010
H1J100121-018 ELV94-1-AR	10/06/01	Cyanide, Reactive (SW7.3.3) (CNREACT) METHOD: 7.3.3
H1J100121-018 ELV94-1-AT	10/06/01	Sulfide, Reactive (SW7.3.4) (SULREACT) METHOD: 7.3.4
H1J100121-018 ELV94-1-AU	10/06/01	Corrosivity (9045) (CORROS) METHOD: 9045A
H1J100121-018 ELV94-1-AV	10/06/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010
H1J100121-019 ELV95-1-AR	10/06/01	Cyanide, Reactive (SW7.3.3) (CNREACT) METHOD: 7.3.3
H1J100121-019 ELV95-1-AT	10/06/01	Sulfide, Reactive (SW7.3.4) (SULREACT) METHOD: 7.3.4
H1J100121-019 ELV95-1-AU	10/06/01	Corrosivity (9045) (CORROS) METHOD: 9045A
H1J100121-019 ELV95-1-AV	10/06/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010
H1J100121-020 ELV96-1-AR	10/06/01	Cyanide, Reactive (SW7.3.3) (CNREACT) METHOD: 7.3.3

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* CONTINUED *
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Severn Trent Laboratories, Inc
SAMPLE ANALYSIS REQUISITION

LABORATORY: STL N Canton
4101 Shuffel Drive NW
North Canton OH 44720,DAM ER

NEED ANALYTICAL REPORT BY
10/25/01
ROUTINE

ATTN:

LAB PURCHASE ORDER: SR034046

CLIENT CODE: 99266 PROJECT MANAGER: Jamie A. McKinney

NUMBER OF SAMPLES IN LOT: 0000

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H1J100121-020 ELV96-1-AT	10/06/01	Sulfide, Reactive (SW7.3.4) (SULREACT) METHOD: 7.3.4
H1J100121-020 ELV96-1-AU	10/06/01	Corrosivity (9045) (CORROS) METHOD: 9045A
H1J100121-020 ELV96-1-AV	10/06/01	Flash Point (1010, Closed Cup) (FLASH_S) METHOD: 1010

NEED DETECTION LIMIT AND ANALYSIS DATE INCLUDED IN REPORT.

SHIPPING METHOD: AIRBORNE DATE: 10/10/01

SEND REPORT TO: JAMIE MCKINNEY

SAMPLE RECEIVED BY: _____ DATE: _____

PLEASE SEND A SIGNED COPY OF THIS FORM WITH REPORT AT COMPLETION OF ANALYSIS.

THANK YOU.

STL Knoxville
INT: _____ 10/10/01 9:59:58
STL N Canton
4101 Shuffel Drive NW
North Canton OH 44720,DAM ER

RELINQUISHED BY: Matthew F. Howard DATE/TIME: 10-10-01, 13:33

RELINQUISHED BY: _____ DATE/TIME: _____

RECEIVED FOR LAB BY: _____ DATE/TIME: _____

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION

HJ100121

STL Cooler Receipt Form/Narrative
North Canton Facility

Client: IT Project: _____ Quote#: _____
Cooler Received on: 10-10-01 Opened on: 10-10-01 by: _____ (Signature)

Fedx ☒ Client Drop Off ☐ UPS ☐ Airborne ☐
Other: _____

Cooler ☐ Safe ☐ Foam Box ☐ Client Cooler ☒ Other: _____
STL Shipper No#: _____

1. Were custody seals on the outside of the cooler and intact? Yes ☐ No ☒
   If YES, Quantity _____ Location _____
   Were the custody seals signed and dated? Yes ☐ No ☐ NA ☒
2. Shipper's packing slip attached to this form? Yes ☒ No ☐
3. Were custody papers included inside the cooler and relinquished? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used:
Peanuts ☐ Bubble Wrap ☒ Vermiculite ☐ Foam ☐ None ☐ Other: _____
6. Cooler temperature upon receipt 2.0 °C (see back of form for multiple coolers/temp)
METHOD Temperature Vial ☒ Between Coolant & Sample Container ☐ Against Bottles ☐
COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Were all the bottles sealed in separate plastic bags? Yes ☐ No ☒
8. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
9. Did all bottle labels and tags agree with the custody papers? Yes ☒ No ☐
10. Were samples at the correct pH? Yes ☐ No ☒ NA ☐
11. Were correct bottles used for the tests indicated? Yes ☒ No ☐
12. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒
13. Was a sufficient amount of sample sent in each bottle? Yes ☒ No ☐
Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐
Concerning: _____

√	MACRO	MACRO
	1. CHAIN OF CUSTODY	
	SR1A	Samples were received under proper custody procedures and without discrepancies.
	SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred _____
	2. SAMPLE CONDITION	
	SR2A	Sample(s) _____ were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) _____ were received with insufficient volume
	SR2C	Sample(s) _____ were received in a broken container.
	3. SAMPLE PRESERVATION	
√	SR3A	Sample(s) BD3028 - Hardness were further preserved in sample receiving to meet recommended pH level(s).
	SR3B	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
	4. NCM	
	SR4A	NCM has been generated. Refer to Clouseau for details
	5. Other Anomalies (see below or back)	

H13100121

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
BD3032	<2	10-10-01	SE
BD3029	<2		
BD3028	<2		
BD3019	<2		

Cooler	Temp	Method	Comments

Discrepancies Cont.

Macro Name:

Macro Name:

Macro Name:

Macro Name:

Other Anomalies:

SEVERN
TRENT
SERVICES

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921-5947

Tel: 865-291-3000
Fax: 865-584-4315
www.stl-inc.com

ANALYTICAL REPORT

PBOW

Lot #: H1J110141

Maureen McMyler

IT Corporation - Knoxville
312 Directors Drive
Knoxville, TN 37923

SEVERN TRENT LABORATORIES, INC.

Jamie A. McKinney

Jamie A. McKinney
Project Manager

November 7, 2001

H1J110141 Sample Data Summary **1**

Sample Receipt Documentation **73**

Volatiles **80**
Raw Sample Data 81
Standards Data 126
Raw QC Data 177
Miscellaneous Data 209

Semi-Volatiles **215**
Raw Sample Data 216
Standards Data 322
Raw QC Data 422
Miscellaneous Data 481

Explosives **490**
Raw Sample Data 491
Standards Data 497
Raw QC Data 570
Miscellaneous Data 578

Metals **583**
Sample Results 584
QC Summary 589
Quality Control Results SuperTrace ICP 608
Quality Control Results Mercury 627
Raw Data SuperTrace ICP 653
Raw Data Mercury 789
Miscellaneous Data 823

Wet Chemistry **840**
Sample Summary 841
QC Summary 843
Raw Data 849
Miscellaneous Data 1061

Sample Receipt Documentation **1067**

Total Number of Pages **1073**

SAMPLE SUMMARY

H1J110141

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ELX47	001	BD3020	10/10/01	11:30
ELX5G	002	BD3020	10/10/01	11:30
ELX5H	003	TB101001A	10/10/01	18:00

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.

ANALYTICAL METHODS SUMMARY

H1J110141

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Chloride (Colorimetric, Automated Ferricyanide)	MCAWW 325.2
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate	MCAWW 353.2
Nitroaromatics and Nitramines by HPLC	SW846 8330
Non-Filterable Residue (TSS)	MCAWW 160.2
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Sulfate	MCAWW 375.4
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	SW846 9060
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Turbidity (Nephelometric)	MCAWW 180.1
Volatile Organics by GC/MS	SW846 8260B

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
H1J110141

The results reported herein are applicable to the samples submitted for analysis only.

The original chain of custody documentation is included with this report.

Sample Receipt

The metals portion of sample BD3020 was received at pH 12. The sample was preserved by laboratory personnel.

Sample BD3020 had a collection date of 10/10/01 on the sample container label and 10/09/01 on the Chain of Custody. The client was notified (M. McMyler, 10/11/01) and instructed the laboratory to log the sample with the date on the label.

Sample Trip Blank did not have a collection date or time listed on the label.

Subcontract

The following analyses were performed by STL North Canton Laboratory, 4101 Shuffel Drive, NW, North Canton, OH 44720: Hardness (MCAAW 130.2), Total Dissolved Solids (MCAAW 160.1), Total Suspended Solids (MCAAW 160.2), Turbidity (MCAAW 180.1), Alkalinity (MCAAW 310.1), Chloride (MCAAW 325.2), Nitrate (MCAAW 353.2), Sulfate (MCAAW 375.4), and Total Organic Carbon (SW846 9060).

Quality Control

Unless otherwise noted, all holding times and QC criteria were met. The test results shown in this report meet all applicable NELAC requirements. Any exceptions are noted below.

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PROJECT NARRATIVE
H1J110141

Volatiles

The pH of sample BD3020 was greater than 2. The sample was analyzed within the normal 14 day holding time. EPA has indicated that some aromatic compounds in wastewater samples, notably benzene, toluene, and ethyl benzene, may be susceptible to biological degradation if samples are not preserved to a pH of 2.

Sample BD3020 was reported with elevated reporting limits for all analytes due to the presence of non-target compounds. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

Semi-Volatiles

The recoveries for laboratory control sample EL3CD1AC and laboratory control sample duplicate EL3CD1AD were acceptable for all anlaytes except pyrene. The associated samples were reprepared outside the holding time. The recoveries laboratory control sample EMK8E1AC and laboratory control sample duplicate EMK8E1AD were acceptable for all anlaytes. Both sets of data were reported for compliance purposes.

Explosives

Surrogate recoveries for sample BD0320 were above QC limits due to obvious matrix interferences.

Metals

The serial dilution of batch samples ELN6K (calcium)and ELV9J(potassium) were outside control limits due to physical or chemical matrix interferences.

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PROJECT NARRATIVE
H1J110141

Cyanide

The standards and sample BD3020 were treated with bismuth nitrate to remove sulfide prior to distillation.

Total Dissolved Solids

Due to a laboratory error, only one duplicate sample was analyzed with the batch.

Total Suspended Solids

Due to a laboratory error, only one duplicate sample was analyzed with the batch.

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Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3020

GC/MS Volatiles

Lot-Sample #...: H1J110141-001 Work Order #...: ELX471A4 Matrix.....: WATER
Date Sampled...: 10/10/01 Date Received..: 10/11/01
Prep Date.....: 10/17/01 Analysis Date..: 10/17/01
Prep Batch #...: 1290219
Dilution Factor: 50 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	100	ug/L
Bromomethane	ND	100	ug/L
Vinyl chloride	ND	50	ug/L
Chloroethane	ND	100	ug/L
Methylene chloride	**52 J,B**	**100**	**ug/L**
Acetone	**930 B**	**500**	**ug/L**
Carbon disulfide	ND	50	ug/L
1,1-Dichloroethene	ND	50	ug/L
1,1-Dichloroethane	ND	50	ug/L
1,2-Dichloroethene (total)	ND	50	ug/L
Chloroform	ND	50	ug/L
1,2-Dichloroethane	ND	50	ug/L
2-Butanone	ND	250	ug/L
1,1,1-Trichloroethane	ND	50	ug/L
Carbon tetrachloride	ND	50	ug/L
Bromodichloromethane	ND	50	ug/L
1,2-Dichloropropane	ND	50	ug/L
cis-1,3-Dichloropropene	ND	50	ug/L
Trichloroethene	ND	50	ug/L
Dibromochloromethane	ND	50	ug/L
1,1,2-Trichloroethane	ND	50	ug/L
Benzene	**800**	**50**	**ug/L**
trans-1,3-Dichloropropene	ND	50	ug/L
Bromoform	ND	50	ug/L
4-Methyl-2-pentanone	ND	250	ug/L
2-Hexanone	ND	250	ug/L
Tetrachloroethene	ND	50	ug/L
1,1,2,2-Tetrachloroethane	ND	50	ug/L
Toluene	**590**	**50**	**ug/L**
Chlorobenzene	ND	50	ug/L
Ethylbenzene	**200**	**50**	**ug/L**
Styrene	ND	50	ug/L
Xylenes (total)	**1500**	**50**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	107	(80 - 120)
Toluene-d8	111	(80 - 120)
Bromofluorobenzene	108	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3020

GC/MS Volatiles

Lot-Sample #...: H1J110141-001 Work Order #...: ELX471A4 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: TB101001A

GC/MS Volatiles

Lot-Sample #...: H1J110141-003 Work Order #...: ELX5H1AA Matrix.....: WATER
Date Sampled...: 10/10/01 Date Received..: 10/11/01
Prep Date.....: 10/17/01 Analysis Date..: 10/17/01
Prep Batch #...: 1290219
Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**0.52 J,B**	**2.0**	**ug/L**
Acetone	**1.9 J,B**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	5.0	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	5.0	ug/L
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(80 - 120)
1,2-Dichloroethane-d4	109	(80 - 120)
Toluene-d8	112	(80 - 120)
Bromofluorobenzene	107	(72 - 135)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: TB101001A

GC/MS Volatiles

Lot-Sample #...: H1J110141-003 Work Order #...: ELX5H1AA 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 #...: H1J110141 Work Order #...: EL9AN1AA Matrix.....: WATER
MB Lot-Sample #: H1J170000-219

Prep Date.....: 10/17/01
Analysis Date..: 10/17/01 Prep Batch #...: 1290219
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.22 J**	**2.0**	**ug/L**	**SW846 8260B**
Acetone	**0.66 J**	**10**	**ug/L**	**SW846 8260B**
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	106	(80 - 120)
Toluene-d8	110	(80 - 120)
Bromofluorobenzene	111	(72 - 135)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J110141 Work Order #...: EL9AN1AA 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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J110141 Work Order #...: EL9AN1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J170000-219 EL9AN1AD-LCSD
Prep Date.....: 10/17/01 Analysis Date..: 10/17/01
Prep Batch #...: 1290219
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	10.0	8.69	ug/L	87		SW846 8260B
	10.0	8.94	ug/L	89	2.9	SW846 8260B
Trichloroethene	10.0	9.70	ug/L	97		SW846 8260B
	10.0	10.2	ug/L	102	5.1	SW846 8260B
Benzene	10.0	9.82	ug/L	98		SW846 8260B
	10.0	10.2	ug/L	102	4.2	SW846 8260B
Toluene	10.0	10.3	ug/L	103		SW846 8260B
	10.0	10.5	ug/L	105	1.9	SW846 8260B
Chlorobenzene	10.0	9.86	ug/L	99		SW846 8260B
	10.0	10.1	ug/L	101	2.8	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
	103	(80 - 120)
1,2-Dichloroethane-d4	105	(80 - 120)
	106	(80 - 120)
Toluene-d8	111	(80 - 120)
	110	(80 - 120)
Bromofluorobenzene	108	(72 - 135)
	109	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J110141 Work Order #...: EL9AN1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J170000-219 EL9AN1AD-LCSD
Prep Date.....: 10/17/01 Analysis Date..: 10/17/01
Prep Batch #...: 1290219
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**87**	**(69 - 120)**			**SW846 8260B**
	89	**(69 - 120)**	**2.9**	**(0-26)**	**SW846 8260B**
Trichloroethene	**97**	**(76 - 120)**			**SW846 8260B**
	102	**(76 - 120)**	**5.1**	**(0-17)**	**SW846 8260B**
Benzene	**98**	**(76 - 120)**			**SW846 8260B**
	102	**(76 - 120)**	**4.2**	**(0-19)**	**SW846 8260B**
Toluene	**103**	**(77 - 120)**			**SW846 8260B**
	105	**(77 - 120)**	**1.9**	**(0-17)**	**SW846 8260B**
Chlorobenzene	**99**	**(75 - 120)**			**SW846 8260B**
	101	**(75 - 120)**	**2.8**	**(0-17)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
	103	(80 - 120)
1,2-Dichloroethane-d4	105	(80 - 120)
	106	(80 - 120)
Toluene-d8	111	(80 - 120)
	110	(80 - 120)
Bromofluorobenzene	108	(72 - 135)
	109	(72 - 135)

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: BD3020

GC/MS Semivolatiles

Lot-Sample #...: H1J110141-001 **Work Order #...:** ELX471A5 **Matrix.....:** WATER
Date Sampled...: 10/10/01 **Date Received..:** 10/11/01
Prep Date.....: 10/13/01 **Analysis Date..:** 10/23/01
Prep Batch #...: 1285258
Dilution Factor: 1 **Method.....:** SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**4.6 J**	**10**	**ug/L**
bis(2-Chloroethyl)-ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	**1.6 J**	**10**	**ug/L**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	**1.7 J**	**10**	**ug/L**
N-Nitrosodi-n-propyl-amine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	**3.0 J**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
Naphthalene	**52**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**64**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3020

GC/MS Semivolatiles

Lot-Sample #...: H1J110141-001 **Work Order #...:** ELX471A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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	**1.2 J**	**10**	**ug/L**
2,4-Dinitrotoluene	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	**2.8 J**	**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	**5.1 J**	**10**	**ug/L**
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	**0.87 J**	**10**	**ug/L**
bis(2-Ethylhexyl) phthalate	**2.4 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(29 - 110)
Phenol-d5	87	(41 - 115)
Nitrobenzene-d5	99	(46 - 117)
2-Fluorobiphenyl	89	(44 - 116)
2,4,6-Tribromophenol	113	(31 - 138)
Terphenyl-d14	87	(36 - 134)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3020

GC/MS Semivolatiles

Lot-Sample #...: H1J110141-001 Work Order #...: ELX471A5 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3020

GC/MS Semivolatiles

Lot-Sample #...: H1J110141-001 Work Order #...: ELX472A5 Matrix.....: WATER
Date Sampled...: 10/10/01 Date Received..: 10/11/01
Prep Date.....: 10/23/01 Analysis Date..: 10/25/01
Prep Batch #...: 1296248
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	**4.4 J**	**10**	**ug/L**
bis(2-Chloroethyl)-ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	**1.2 J**	**10**	**ug/L**
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L
4-Methylphenol	**1.6 J**	**10**	**ug/L**
N-Nitrosodi-n-propyl-amine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	**3.3 J**	**10**	**ug/L**
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro-benzene	ND	10	ug/L
Naphthalene	**44**	**10**	**ug/L**
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	**48**	**10**	**ug/L**
Hexachlorocyclopenta-diene	ND	50	ug/L
2,4,6-Trichloro-phenol	ND	10	ug/L
2,4,5-Trichloro-phenol	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

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3020

GC/MS Semivolatiles

Lot-Sample #...: H1J110141-001 **Work Order #...:** ELX472A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS
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
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	**1.8 J**	**10**	**ug/L**
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	50	ug/L
Phenanthrene	**2.4 J**	**10**	**ug/L**
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	**0.98 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(29 - 110)
Phenol-d5	83	(41 - 115)
Nitrobenzene-d5	91	(46 - 117)
2-Fluorobiphenyl	82	(44 - 116)
2,4,6-Tribromophenol	108	(31 - 138)
Terphenyl-d14	89	(36 - 134)

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3020

GC/MS Semivolatiles

Lot-Sample #...: H1J110141-001 Work Order #...: ELX472A5 Matrix.....: WATER

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J110141 **Work Order #...:** EL3CD1AA **Matrix.....:** WATER
MB Lot-Sample #: H1J120000-258

Prep Date.....: 10/13/01
Analysis Date..: 10/22/01 **Prep Batch #...:** 1285258
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J110141 **Work Order #...:** EL3CD1AA **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(29 - 110)
Phenol-d5	79	(41 - 115)
Nitrobenzene-d5	84	(46 - 117)
2-Fluorobiphenyl	81	(44 - 116)
2,4,6-Tribromophenol	82	(31 - 138)
Terphenyl-d14	86	(36 - 134)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J110141 Work Order #...: EL3CD1AA Matrix.....: WATER

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J110141 Work Order #...: EL3CD1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J120000-258 EL3CD1AD-LCSD
Prep Date.....: 10/13/01 Analysis Date..: 10/22/01
Prep Batch #...: 1285258
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Phenol	100	75.5	ug/L	76		SW846 8270C
	100	76.2	ug/L	76	0.92	SW846 8270C
2-Chlorophenol	100	78.3	ug/L	78		SW846 8270C
	100	78.4	ug/L	78	0.12	SW846 8270C
1,4-Dichlorobenzene	100	76.1	ug/L	76		SW846 8270C
	100	77.4	ug/L	77	1.7	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	74.0	ug/L	74		SW846 8270C
	100	74.9	ug/L	75	1.2	SW846 8270C
1,2,4-Trichloro-benzene	100	80.1	ug/L	80		SW846 8270C
	100	78.8	ug/L	79	1.6	SW846 8270C
4-Chloro-3-methylphenol	100	86.5	ug/L	86		SW846 8270C
	100	87.0	ug/L	87	0.57	SW846 8270C
Acenaphthene	100	72.3	ug/L	72		SW846 8270C
	100	71.4	ug/L	71	1.2	SW846 8270C
4-Nitrophenol	100	89.3	ug/L	89		SW846 8270C
	100	92.5	ug/L	92	3.5	SW846 8270C
2,4-Dinitrotoluene	100	102	ug/L	102		SW846 8270C
	100	103	ug/L	103	0.97	SW846 8270C
Pentachlorophenol	100	83.8	ug/L	84		SW846 8270C
	100	86.5	ug/L	86	3.2	SW846 8270C
Pyrene	100	74.0 a	ug/L	74		SW846 8270C
	100	73.7 a	ug/L	74	0.40	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(29 - 110)
	74	(29 - 110)
Phenol-d5	79	(41 - 115)
	79	(41 - 115)
Nitrobenzene-d5	84	(46 - 117)
	85	(46 - 117)
2-Fluorobiphenyl	83	(44 - 116)
	80	(44 - 116)
2,4,6-Tribromophenol	90	(31 - 138)
	91	(31 - 138)
Terphenyl-d14	88	(36 - 134)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J110141 **Work Order #...:** EL3CD1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J120000-258 EL3CD1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	89	(36 - 134)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J110141 Work Order #...: EL3CD1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J120000-258 EL3CD1AD-LCSD
Prep Date.....: 10/13/01 Analysis Date..: 10/22/01
Prep Batch #...: 1285258
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	76	(61 - 111)			SW846 8270C
	76	(61 - 111)	0.92	(0-39)	SW846 8270C
2-Chlorophenol	78	(61 - 110)			SW846 8270C
	78	(61 - 110)	0.12	(0-41)	SW846 8270C
1,4-Dichlorobenzene	76	(49 - 110)			SW846 8270C
	77	(49 - 110)	1.7	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	74	(62 - 117)			SW846 8270C
	75	(62 - 117)	1.2	(0-31)	SW846 8270C
1,2,4-Trichloro-benzene	80	(64 - 109)			SW846 8270C
	79	(64 - 109)	1.6	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	86	(70 - 109)			SW846 8270C
	87	(70 - 109)	0.57	(0-28)	SW846 8270C
Acenaphthene	72	(69 - 107)			SW846 8270C
	71	(69 - 107)	1.2	(0-29)	SW846 8270C
4-Nitrophenol	89	(59 - 120)			SW846 8270C
	92	(59 - 120)	3.5	(0-30)	SW846 8270C
2,4-Dinitrotoluene	102	(77 - 118)			SW846 8270C
	103	(77 - 118)	0.97	(0-29)	SW846 8270C
Pentachlorophenol	84	(38 - 124)			SW846 8270C
	86	(38 - 124)	3.2	(0-41)	SW846 8270C
Pyrene	74 a	(75 - 125)			SW846 8270C
	74 a	(75 - 125)	0.40	(0-26)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(29 - 110)
	74	(29 - 110)
Phenol-d5	79	(41 - 115)
	79	(41 - 115)
Nitrobenzene-d5	84	(46 - 117)
	85	(46 - 117)
2-Fluorobiphenyl	83	(44 - 116)
	80	(44 - 116)
2,4,6-Tribromophenol	90	(31 - 138)
	91	(31 - 138)
Terphenyl-d14	88	(36 - 134)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J110141 **Work Order #...:** EL3CD1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J120000-258 EL3CD1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	89	(36 - 134)

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.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J110141 **Work Order #...:** EMK8E1AA **Matrix.....:** WATER
MB Lot-Sample #: H1J230000-248

Prep Date.....: 10/23/01
Analysis Date..: 10/25/01 **Prep Batch #...:** 1296248
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	50	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J110141 **Work Order #...:** EMK8E1AA **Matrix.....:** WATER

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

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(29 - 110)
Phenol-d5	80	(41 - 115)
Nitrobenzene-d5	88	(46 - 117)
2-Fluorobiphenyl	85	(44 - 116)
2,4,6-Tribromophenol	85	(31 - 138)
Terphenyl-d14	87	(36 - 134)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: H1J110141 Work Order #...: EMK8E1AA Matrix.....: WATER

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J110141 Work Order #...: EMK8E1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J230000-248 EMK8E1AD-LCSD
Prep Date.....: 10/23/01 Analysis Date..: 10/25/01
Prep Batch #...: 1296248
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Phenol	100	80.4	ug/L	80		SW846 8270C
	100	83.7	ug/L	84	4.0	SW846 8270C
2-Chlorophenol	100	83.4	ug/L	83		SW846 8270C
	100	88.4	ug/L	88	5.8	SW846 8270C
1,4-Dichlorobenzene	100	84.5	ug/L	84		SW846 8270C
	100	86.5	ug/L	86	2.3	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	79.6	ug/L	80		SW846 8270C
	100	81.1	ug/L	81	1.9	SW846 8270C
1,2,4-Trichloro-benzene	100	87.5	ug/L	88		SW846 8270C
	100	89.3	ug/L	89	2.0	SW846 8270C
4-Chloro-3-methylphenol	100	91.2	ug/L	91		SW846 8270C
	100	90.7	ug/L	91	0.55	SW846 8270C
Acenaphthene	100	76.8	ug/L	77		SW846 8270C
	100	75.1	ug/L	75	2.2	SW846 8270C
4-Nitrophenol	100	98.7	ug/L	99		SW846 8270C
	100	104	ug/L	104	5.2	SW846 8270C
2,4-Dinitrotoluene	100	114	ug/L	114		SW846 8270C
	100	116	ug/L	116	1.7	SW846 8270C
Pentachlorophenol	100	94.7	ug/L	95		SW846 8270C
	100	103	ug/L	103	8.4	SW846 8270C
Pyrene	100	76.5	ug/L	76		SW846 8270C
	100	77.0	ug/L	77	0.65	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(29 - 110)
	80	(29 - 110)
Phenol-d5	81	(41 - 115)
	83	(41 - 115)
Nitrobenzene-d5	96	(46 - 117)
	98	(46 - 117)
2-Fluorobiphenyl	94	(44 - 116)
	91	(44 - 116)
2,4,6-Tribromophenol	100	(31 - 138)
	100	(31 - 138)
Terphenyl-d14	96	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: H1J110141 Work Order #...: EMK8E1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J230000-248 EMK8E1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	95	(36 - 134)

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 #...: H1J110141 Work Order #...: EMK8E1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J230000-248 EMK8E1AD-LCSD
Prep Date.....: 10/23/01 Analysis Date..: 10/25/01
Prep Batch #...: 1296248
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Phenol	80	(61 - 111)			SW846 8270C
	84	(61 - 111)	4.0	(0-39)	SW846 8270C
2-Chlorophenol	83	(61 - 110)			SW846 8270C
	88	(61 - 110)	5.8	(0-41)	SW846 8270C
1,4-Dichlorobenzene	84	(49 - 110)			SW846 8270C
	86	(49 - 110)	2.3	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	80	(62 - 117)			SW846 8270C
	81	(62 - 117)	1.9	(0-31)	SW846 8270C
1,2,4-Trichloro-benzene	88	(64 - 109)			SW846 8270C
	89	(64 - 109)	2.0	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	91	(70 - 109)			SW846 8270C
	91	(70 - 109)	0.55	(0-28)	SW846 8270C
Acenaphthene	77	(69 - 107)			SW846 8270C
	75	(69 - 107)	2.2	(0-29)	SW846 8270C
4-Nitrophenol	99	(59 - 120)			SW846 8270C
	104	(59 - 120)	5.2	(0-30)	SW846 8270C
2,4-Dinitrotoluene	114	(77 - 118)			SW846 8270C
	116	(77 - 118)	1.7	(0-29)	SW846 8270C
Pentachlorophenol	95	(38 - 124)			SW846 8270C
	103	(38 - 124)	8.4	(0-41)	SW846 8270C
Pyrene	76	(75 - 125)			SW846 8270C
	77	(75 - 125)	0.65	(0-26)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(29 - 110)
	80	(29 - 110)
Phenol-d5	81	(41 - 115)
	83	(41 - 115)
Nitrobenzene-d5	96	(46 - 117)
	98	(46 - 117)
2-Fluorobiphenyl	94	(44 - 116)
	91	(44 - 116)
2,4,6-Tribromophenol	100	(31 - 138)
	100	(31 - 138)
Terphenyl-d14	96	(36 - 134)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: H1J110141 **Work Order #...:** EMK8E1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J230000-248 EMK8E1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	95	(36 - 134)

NOTE(S):

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

Bold print denotes control parameters

Sample Data Summary

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3020

HPLC

Lot-Sample #...: H1J110141-001 **Work Order #...:** ELX471A3 **Matrix.....:** WATER
Date Sampled...: 10/10/01 **Date Received..:** 10/11/01
Prep Date.....: 10/15/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
HMX	ND	0.50	ug/L
RDX	ND G	1.5	ug/L
1,3,5-Trinitrobenzene	ND	0.20	ug/L
1,3-Dinitrobenzene	ND	0.20	ug/L
Tetryl	ND	0.20	ug/L
Nitrobenzene	ND G	0.89	ug/L
2,4,6-Trinitrotoluene	ND G	0.34	ug/L
4-Amino-2,6-dinitrotoluene	ND G	2.1	ug/L
2-Amino-4,6-dinitrotoluene	ND G	0.52	ug/L
2,6-Dinitrotoluene	ND G	1.9	ug/L
2,4-Dinitrotoluene	ND	0.20	ug/L
2-Nitrotoluene	ND	0.20	ug/L
4-Nitrotoluene	ND	0.20	ug/L
3-Nitrotoluene	ND	0.20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	136 *	(53 - 133)

NOTE(S):

* Surrogate recovery is outside stated control limits.

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

METHOD BLANK REPORT

HPLC

Client Lot #...: H1J110141 **Work Order #...:** EL5K71AA **Matrix.....:** WATER
MB Lot-Sample #: H1J150000-098

Prep Date.....: 10/15/01
Analysis Date..: 10/17/01 **Prep Batch #...:** 1288098
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
HMX	ND	0.50	ug/L	SW846 8330
RDX	ND	1.5	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.20	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.20	ug/L	SW846 8330
Tetryl	ND	0.20	ug/L	SW846 8330
Nitrobenzene	ND	0.20	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.34	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	2.1	ug/L	SW846 8330
2-Amino-4,6-dinitrotoluene	ND	0.52	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	1.9	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.20	ug/L	SW846 8330
2-Nitrotoluene	ND	0.20	ug/L	SW846 8330
4-Nitrotoluene	ND	0.20	ug/L	SW846 8330
3-Nitrotoluene	ND	0.20	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	73	(53 - 133)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: H1J110141 Work Order #...: EL5K71AC-LCS Matrix.....: WATER
LCS Lot-Sample#: H1J150000-098 EL5K71AD-LCSD
Prep Date.....: 10/15/01 Analysis Date..: 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
HMX	3.00	3.27	ug/L	109		SW846 8330
	3.00	3.09	ug/L	103	5.8	SW846 8330
RDX	3.00	3.40	ug/L	113		SW846 8330
	3.00	3.27	ug/L	109	3.8	SW846 8330
1,3,5-Trinitrobenzene	3.00	3.31	ug/L	110		SW846 8330
	3.00	3.24	ug/L	108	2.3	SW846 8330
1,3-Dinitrobenzene	3.00	3.14	ug/L	105		SW846 8330
	3.00	3.05	ug/L	102	3.0	SW846 8330
Tetryl	3.00	3.31	ug/L	110		SW846 8330
	3.00	3.24	ug/L	108	2.3	SW846 8330
Nitrobenzene	3.00	2.74	ug/L	91		SW846 8330
	3.00	2.54	ug/L	85	7.6	SW846 8330
2,4,6-Trinitrotoluene	3.00	3.21	ug/L	107		SW846 8330
	3.00	3.13	ug/L	104	2.5	SW846 8330
4-Amino-2,6-dinitrotoluene	3.00	2.48	ug/L	83		SW846 8330
	3.00	2.58	ug/L	86	4.0	SW846 8330
2-Amino-4,6-dinitrotoluene	3.00	2.87	ug/L	96		SW846 8330
	3.00	2.99	ug/L	100	4.1	SW846 8330
2,6-Dinitrotoluene	3.00	3.23	ug/L	108		SW846 8330
	3.00	3.27	ug/L	109	1.1	SW846 8330
2,4-Dinitrotoluene	3.00	3.09	ug/L	103		SW846 8330
	3.00	3.01	ug/L	100	2.5	SW846 8330
2-Nitrotoluene	3.00	2.47	ug/L	82		SW846 8330
	3.00	2.26	ug/L	75	9.0	SW846 8330
4-Nitrotoluene	3.00	2.56	ug/L	85		SW846 8330
	3.00	2.50	ug/L	83	2.2	SW846 8330
3-Nitrotoluene	3.00	2.54	ug/L	85		SW846 8330
	3.00	2.46	ug/L	82	3.4	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	80	(53 - 133)
	85	(53 - 133)

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 #...: H1J110141 **Work Order #...:** EL5K71AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J150000-098 EL5K71AD-LCSD
Prep Date.....: 10/15/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1288098
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
HMX	**109**	**(68 - 122)**			**SW846 8330**
	103	**(68 - 122)**	**5.8**	**(0-25)**	**SW846 8330**
RDX	**113**	**(71 - 127)**			**SW846 8330**
	109	**(71 - 127)**	**3.8**	**(0-26)**	**SW846 8330**
1,3,5-Trinitrobenzene	**110**	**(70 - 124)**			**SW846 8330**
	108	**(70 - 124)**	**2.3**	**(0-25)**	**SW846 8330**
1,3-Dinitrobenzene	**105**	**(72 - 124)**			**SW846 8330**
	102	**(72 - 124)**	**3.0**	**(0-25)**	**SW846 8330**
Tetryl	**110**	**(68 - 123)**			**SW846 8330**
	108	**(68 - 123)**	**2.3**	**(0-26)**	**SW846 8330**
Nitrobenzene	**91**	**(60 - 122)**			**SW846 8330**
	85	**(60 - 122)**	**7.6**	**(0-26)**	**SW846 8330**
2,4,6-Trinitrotoluene	**107**	**(71 - 123)**			**SW846 8330**
	104	**(71 - 123)**	**2.5**	**(0-25)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**83**	**(66 - 122)**			**SW846 8330**
	86	**(66 - 122)**	**4.0**	**(0-26)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**96**	**(65 - 124)**			**SW846 8330**
	100	**(65 - 124)**	**4.1**	**(0-26)**	**SW846 8330**
2,6-Dinitrotoluene	**108**	**(66 - 129)**			**SW846 8330**
	109	**(66 - 129)**	**1.1**	**(0-26)**	**SW846 8330**
2,4-Dinitrotoluene	**103**	**(70 - 125)**			**SW846 8330**
	100	**(70 - 125)**	**2.5**	**(0-26)**	**SW846 8330**
2-Nitrotoluene	**82**	**(54 - 121)**			**SW846 8330**
	75	**(54 - 121)**	**9.0**	**(0-27)**	**SW846 8330**
4-Nitrotoluene	**85**	**(59 - 123)**			**SW846 8330**
	83	**(59 - 123)**	**2.2**	**(0-27)**	**SW846 8330**
3-Nitrotoluene	**85**	**(58 - 124)**			**SW846 8330**
	82	**(58 - 124)**	**3.4**	**(0-27)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1-Chloro-3-nitrobenzene	80	(53 - 133)
	85	(53 - 133)

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: BD3020

TOTAL Metals

Lot-Sample #...: H1J110141-001 Matrix.....: WATER
Date Sampled...: 10/10/01 Date Received..: 10/11/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1288369						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/16/01	ELX471A2
		Dilution Factor: 1		Analysis Time..: 15:37		
Prep Batch #...: 1290139						
Aluminum	**36.2 B**	**200**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELX471AA**
		Dilution Factor: 1		Analysis Time..: 11:59		
Antimony	ND	60.0	ug/L	SW846 6010B	10/17-10/18/01	ELX471AC
		Dilution Factor: 1		Analysis Time..: 11:59		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELX471AD
		Dilution Factor: 1		Analysis Time..: 11:59		
Barium	**147 B**	**200**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELX471AE**
		Dilution Factor: 1		Analysis Time..: 11:59		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELX471AF
		Dilution Factor: 1		Analysis Time..: 11:59		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELX471AG
		Dilution Factor: 1		Analysis Time..: 11:59		
Calcium	**645000**	**25000**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELX471AH**
		Dilution Factor: 5		Analysis Time..: 14:17		
Chromium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELX471AJ
		Dilution Factor: 1		Analysis Time..: 11:59		
Cobalt	**2.4 B**	**50.0**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELX471AK**
		Dilution Factor: 1		Analysis Time..: 11:59		
Copper	ND	25.0	ug/L	SW846 6010B	10/17-10/18/01	ELX471AL
		Dilution Factor: 1		Analysis Time..: 11:59		
Iron	**73.2 B**	**100**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELX471AM**
		Dilution Factor: 1		Analysis Time..: 11:59		
Lead	ND	3.0	ug/L	SW846 6010B	10/17-10/18/01	ELX471AN
		Dilution Factor: 1		Analysis Time..: 11:59		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3020

TOTAL Metals

Lot-Sample #...: H1J110141-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	303 B	5000	ug/L	SW846 6010B	10/17-10/18/01	ELX471AP
		Dilution Factor: 1		Analysis Time..: 11:59		
Manganese	2.9 B	15.0	ug/L	SW846 6010B	10/17-10/18/01	ELX471AQ
		Dilution Factor: 1		Analysis Time..: 11:59		
Nickel	10.8 B	40.0	ug/L	SW846 6010B	10/17-10/18/01	ELX471AR
		Dilution Factor: 1		Analysis Time..: 11:59		
Potassium	18600	5000	ug/L	SW846 6010B	10/17-10/18/01	ELX471AT
		Dilution Factor: 1		Analysis Time..: 11:59		
Selenium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELX471AU
		Dilution Factor: 1		Analysis Time..: 11:59		
Silver	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELX471AV
		Dilution Factor: 1		Analysis Time..: 11:59		
Sodium	88200	5000	ug/L	SW846 6010B	10/17-10/18/01	ELX471AW
		Dilution Factor: 1		Analysis Time..: 11:59		
Thallium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELX471AX
		Dilution Factor: 1		Analysis Time..: 11:59		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELX471A0
		Dilution Factor: 1		Analysis Time..: 11:59		
Zinc	ND	20.0	ug/L	SW846 6010B	10/17-10/18/01	ELX471A1
		Dilution Factor: 1		Analysis Time..: 11:59		

NOTE(S):

B Estimated result. Result is less than RL.

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3020

DISSOLVED Metals

Lot-Sample #...: H1J110141-002 **Matrix.....:** WATER
Date Sampled...: 10/10/01 **Date Received..:** 10/11/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1289381						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/17/01	ELX5G1A2
		Dilution Factor: 1		Analysis Time..: 15:31		
Prep Batch #...: 1290143						
Aluminum	**55.2 B**	**200**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELX5G1AA**
		Dilution Factor: 1		Analysis Time..: 13:59		
Antimony	ND	60.0	ug/L	SW846 6010B	10/17-10/18/01	ELX5G1AC
		Dilution Factor: 1		Analysis Time..: 13:59		
Arsenic	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELX5G1AD
		Dilution Factor: 1		Analysis Time..: 13:59		
Barium	**143 B**	**200**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELX5G1AE**
		Dilution Factor: 1		Analysis Time..: 13:59		
Beryllium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELX5G1AF
		Dilution Factor: 1		Analysis Time..: 13:59		
Cadmium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELX5G1AG
		Dilution Factor: 1		Analysis Time..: 13:59		
Calcium	**644000**	**25000**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELX5G1AH**
		Dilution Factor: 5		Analysis Time..: 14:43		
Chromium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELX5G1AJ
		Dilution Factor: 1		Analysis Time..: 13:59		
Cobalt	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELX5G1AK
		Dilution Factor: 1		Analysis Time..: 13:59		
Copper	ND	25.0	ug/L	SW846 6010B	10/17-10/18/01	ELX5G1AL
		Dilution Factor: 1		Analysis Time..: 13:59		
Iron	ND	100	ug/L	SW846 6010B	10/17-10/18/01	ELX5G1AM
		Dilution Factor: 1		Analysis Time..: 13:59		
Lead	ND	3.0	ug/L	SW846 6010B	10/17-10/18/01	ELX5G1AN
		Dilution Factor: 1		Analysis Time..: 13:59		

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IT CORPORATION - KNOXVILLE

Client Sample ID: BD3020

DISSOLVED Metals

Lot-Sample #...: H1J110141-002 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Magnesium	**43.9 B**	**5000**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELX5G1AP**
		Dilution Factor: 1		Analysis Time..: 13:59		
Manganese	ND	15.0	ug/L	SW846 6010B	10/17-10/18/01	ELX5G1AQ
		Dilution Factor: 1		Analysis Time..: 13:59		
Nickel	**10.2 B**	**40.0**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELX5G1AR**
		Dilution Factor: 1		Analysis Time..: 13:59		
Potassium	**17800**	**5000**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELX5G1AT**
		Dilution Factor: 1		Analysis Time..: 13:59		
Selenium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	ELX5G1AU
		Dilution Factor: 1		Analysis Time..: 13:59		
Silver	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	ELX5G1AV
		Dilution Factor: 1		Analysis Time..: 13:59		
Sodium	**85600**	**5000**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELX5G1AW**
		Dilution Factor: 1		Analysis Time..: 13:59		
Thallium	**6.4 B,J**	**10.0**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELX5G1AX**
		Dilution Factor: 1		Analysis Time..: 13:59		
Vanadium	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	ELX5G1A0
		Dilution Factor: 1		Analysis Time..: 13:59		
Zinc	**4.2 B**	**20.0**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**ELX5G1A1**
		Dilution Factor: 1		Analysis Time..: 13:59		

NOTE(S):

B Estimated result. Result is less than RL.

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

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J110141 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J150000-369 Prep Batch #...: 1288369						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/16/01	EL6E71AA
		Dilution Factor: 1				
		Analysis Time..: 15:12				
MB Lot-Sample #: H1J170000-139 Prep Batch #...: 1290139						
Aluminum	ND	200	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AA
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Antimony	ND	60.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AC
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AD
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Barium	ND	200	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AE
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AF
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AG
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Calcium	ND	5000	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AH
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Chromium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AJ
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AK
		Dilution Factor: 1				
		Analysis Time..: 11:01				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J110141 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	ND	25.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AL
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Iron	ND	100	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AM
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Lead	ND	3.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AN
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Magnesium	ND	5000	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AP
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Manganese	ND	15.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AQ
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Nickel	ND	40.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AR
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Potassium	ND	5000	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AT
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Selenium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AU
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Silver	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AV
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Sodium	ND	5000	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AW
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Thallium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1AX
		Dilution Factor: 1				
		Analysis Time..: 11:01				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1A0
		Dilution Factor: 1				
		Analysis Time..: 11:01				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: H1J110141 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	20.0	ug/L	SW846 6010B	10/17-10/18/01	EL85G1A1

Dilution Factor: 1
Analysis Time..: 11:01

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J110141 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: H1J160000-381 **Prep Batch #...:** 1289381						
Mercury	ND	0.00020	mg/L	SW846 7470A	10/17/01	EL8AG1AA
		Dilution Factor: 1				
		Analysis Time..: 15:09				
MB Lot-Sample #: H1J170000-143 **Prep Batch #...:** 1290143						
Aluminum	ND	200	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AG
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Antimony	ND	60.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AH
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Arsenic	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AJ
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Barium	ND	200	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AK
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Beryllium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AL
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Cadmium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AM
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Calcium	ND	5000	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AN
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Chromium	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AP
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Cobalt	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AQ
		Dilution Factor: 1				
		Analysis Time..: 11:10				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J110141 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	ND	25.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AR
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Iron	ND	100	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AT
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Lead	ND	3.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AU
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Magnesium	ND	5000	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AV
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Manganese	ND	15.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AW
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Nickel	ND	40.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AX
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Potassium	ND	5000	ug/L	SW846 6010B	10/17-10/18/01	EL85P1A0
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Selenium	ND	5.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1A1
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Silver	ND	10.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AA
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Sodium	ND	5000	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AC
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Thallium	**5.6 B**	**10.0**	**ug/L**	**SW846 6010B**	**10/17-10/18/01**	**EL85P1AD**
		Dilution Factor: 1				
		Analysis Time..: 11:10				
Vanadium	ND	50.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AE
		Dilution Factor: 1				
		Analysis Time..: 11:10				

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METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: H1J110141 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	ND	20.0	ug/L	SW846 6010B	10/17-10/18/01	EL85P1AF

Dilution Factor: 1
Analysis Time..: 11:10

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J110141 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J150000-369 **Prep Batch #...:** 1288369							
Mercury	0.00500	0.00535	mg/L	107	SW846 7470A	10/16/01	EL6E71AC
			Dilution Factor: 1				
			Analysis Time..: 15:19				
LCS Lot-Sample#: H1J170000-139 **Prep Batch #...:** 1290139							
Aluminum	2000	2010	ug/L	100	SW846 6010B	10/17-10/18/01	EL85G1A2
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Antimony	500	492	ug/L	98	SW846 6010B	10/17-10/18/01	EL85G1A3
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Arsenic	2000	2020	ug/L	101	SW846 6010B	10/17-10/18/01	EL85G1A4
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Barium	2000	2000	ug/L	100	SW846 6010B	10/17-10/18/01	EL85G1A5
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Beryllium	50.0	52.0	ug/L	104	SW846 6010B	10/17-10/18/01	EL85G1A6
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Cadmium	50.0	50.2	ug/L	100	SW846 6010B	10/17-10/18/01	EL85G1A7
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Calcium	50000	50000	ug/L	100	SW846 6010B	10/17-10/18/01	EL85G1A8
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Chromium	200	202	ug/L	101	SW846 6010B	10/17-10/18/01	EL85G1A9
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Cobalt	500	508	ug/L	102	SW846 6010B	10/17-10/18/01	EL85G1CA
			Dilution Factor: 1				
			Analysis Time..: 11:06				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J110141 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	250	248	ug/L	99	SW846 6010B	10/17-10/18/01	EL85G1CC
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Iron	1000	1010	ug/L	101	SW846 6010B	10/17-10/18/01	EL85G1CD
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Lead	500	502	ug/L	100	SW846 6010B	10/17-10/18/01	EL85G1CE
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Magnesium	50000	49300	ug/L	99	SW846 6010B	10/17-10/18/01	EL85G1CF
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Manganese	500	513	ug/L	103	SW846 6010B	10/17-10/18/01	EL85G1CG
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Nickel	500	505	ug/L	101	SW846 6010B	10/17-10/18/01	EL85G1CH
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Potassium	50000	48100	ug/L	96	SW846 6010B	10/17-10/18/01	EL85G1CJ
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Selenium	2000	2060	ug/L	103	SW846 6010B	10/17-10/18/01	EL85G1CK
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Silver	50.0	49.9	ug/L	100	SW846 6010B	10/17-10/18/01	EL85G1CL
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Sodium	50000	49800	ug/L	100	SW846 6010B	10/17-10/18/01	EL85G1CM
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Thallium	2000	2030	ug/L	101	SW846 6010B	10/17-10/18/01	EL85G1CN
			Dilution Factor: 1				
			Analysis Time..: 11:06				

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: H1J110141 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	500	508	ug/L	102	SW846 6010B	10/17-10/18/01	EL85G1CP
			Dilution Factor: 1				
			Analysis Time..: 11:06				
Zinc	500	527	ug/L	105	SW846 6010B	10/17-10/18/01	EL85G1CQ
			Dilution Factor: 1				
			Analysis Time..: 11:06				

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J110141 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J160000-381 **Prep Batch #...:** 1289381							
Mercury	0.00500	0.00531	mg/L	106	SW846 7470A	10/17/01	EL8AG1AC
			Dilution Factor: 1				
			Analysis Time..: 15:12				
LCS Lot-Sample#: H1J170000-143 **Prep Batch #...:** 1290143							
Aluminum	2000	2050	ug/L	102	SW846 6010B	10/17-10/18/01	EL85P1A7
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Antimony	500	502	ug/L	100	SW846 6010B	10/17-10/18/01	EL85P1A8
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Arsenic	2000	2060	ug/L	103	SW846 6010B	10/17-10/18/01	EL85P1A9
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Barium	2000	2030	ug/L	102	SW846 6010B	10/17-10/18/01	EL85P1CA
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Beryllium	50.0	53.2	ug/L	106	SW846 6010B	10/17-10/18/01	EL85P1CC
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Cadmium	50.0	51.0	ug/L	102	SW846 6010B	10/17-10/18/01	EL85P1CD
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Calcium	50000	51100	ug/L	102	SW846 6010B	10/17-10/18/01	EL85P1CE
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Chromium	200	207	ug/L	103	SW846 6010B	10/17-10/18/01	EL85P1CF
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Cobalt	500	519	ug/L	104	SW846 6010B	10/17-10/18/01	EL85P1CG
			Dilution Factor: 1				
			Analysis Time..: 11:15				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J110141 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	250	254	ug/L	102	SW846 6010B	10/17-10/18/01	EL85P1CH
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Iron	1000	1030	ug/L	103	SW846 6010B	10/17-10/18/01	EL85P1CJ
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Lead	500	511	ug/L	102	SW846 6010B	10/17-10/18/01	EL85P1CK
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Magnesium	50000	50400	ug/L	101	SW846 6010B	10/17-10/18/01	EL85P1CL
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Manganese	500	524	ug/L	105	SW846 6010B	10/17-10/18/01	EL85P1CM
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Nickel	500	514	ug/L	103	SW846 6010B	10/17-10/18/01	EL85P1CN
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Potassium	50000	49000	ug/L	98	SW846 6010B	10/17-10/18/01	EL85P1CP
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Selenium	2000	2100	ug/L	105	SW846 6010B	10/17-10/18/01	EL85P1CQ
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Silver	50.0	51.0	ug/L	102	SW846 6010B	10/17-10/18/01	EL85P1A2
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Sodium	50000	50900	ug/L	102	SW846 6010B	10/17-10/18/01	EL85P1A3
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Thallium	2000	2080	ug/L	104	SW846 6010B	10/17-10/18/01	EL85P1A4
			Dilution Factor: 1				
			Analysis Time..: 11:15				

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LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: H1J110141 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	500	518	ug/L	104	SW846 6010B	10/17-10/18/01	EL85P1A5
			Dilution Factor: 1				
			Analysis Time..: 11:15				
Zinc	500	538	ug/L	108	SW846 6010B	10/17-10/18/01	EL85P1A6
			Dilution Factor: 1				
			Analysis Time..: 11:15				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J110141 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J150000-369 **Prep Batch #...:** 1288369					
Mercury	107	(90 - 110)	SW846 7470A Dilution Factor: 1 Analysis Time..: 15:19	10/16/01	EL6E71AC
LCS Lot-Sample#: H1J170000-139 **Prep Batch #...:** 1290139					
Aluminum	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1A2
Antimony	98	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1A3
Arsenic	101	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1A4
Barium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1A5
Beryllium	104	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1A6
Cadmium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1A7
Calcium	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1A8
Chromium	101	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1A9
Cobalt	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:06	10/17-10/18/01	EL85G1CA

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J110141 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	99	(88 - 110)	SW846 6010B	10/17-10/18/01	EL85G1CC
		Dilution Factor: 1			
		Analysis Time..: 11:06			
Iron	101	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85G1CD
		Dilution Factor: 1			
		Analysis Time..: 11:06			
Lead	100	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85G1CE
		Dilution Factor: 1			
		Analysis Time..: 11:06			
Magnesium	99	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85G1CF
		Dilution Factor: 1			
		Analysis Time..: 11:06			
Manganese	103	(90 - 111)	SW846 6010B	10/17-10/18/01	EL85G1CG
		Dilution Factor: 1			
		Analysis Time..: 11:06			
Nickel	101	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85G1CH
		Dilution Factor: 1			
		Analysis Time..: 11:06			
Potassium	96	(89 - 110)	SW846 6010B	10/17-10/18/01	EL85G1CJ
		Dilution Factor: 1			
		Analysis Time..: 11:06			
Selenium	103	(90 - 114)	SW846 6010B	10/17-10/18/01	EL85G1CK
		Dilution Factor: 1			
		Analysis Time..: 11:06			
Silver	100	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85G1CL
		Dilution Factor: 1			
		Analysis Time..: 11:06			
Sodium	100	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85G1CM
		Dilution Factor: 1			
		Analysis Time..: 11:06			
Thallium	101	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85G1CN
		Dilution Factor: 1			
		Analysis Time..: 11:06			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: H1J110141 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	102	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85G1CP
		Dilution Factor: 1			
		Analysis Time..: 11:06			
Zinc	105	(90 - 115)	SW846 6010B	10/17-10/18/01	EL85G1CQ
		Dilution Factor: 1			
		Analysis Time..: 11:06			

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J110141 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: H1J160000-381 **Prep Batch #...:** 1289381					
Mercury	106	(90 - 110)	SW846 7470A Dilution Factor: 1 Analysis Time..: 15:12	10/17/01	EL8AG1AC
LCS Lot-Sample#: H1J170000-143 **Prep Batch #...:** 1290143					
Aluminum	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1A7
Antimony	100	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1A8
Arsenic	103	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1A9
Barium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1CA
Beryllium	106	(90 - 115)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1CC
Cadmium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1CD
Calcium	102	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1CE
Chromium	103	(89 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1CF
Cobalt	104	(90 - 110)	SW846 6010B Dilution Factor: 1 Analysis Time..: 11:15	10/17-10/18/01	EL85P1CG

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J110141 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	102	(88 - 110)	SW846 6010B	10/17-10/18/01	EL85P1CH
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Iron	103	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85P1CJ
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Lead	102	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85P1CK
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Magnesium	101	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85P1CL
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Manganese	105	(90 - 111)	SW846 6010B	10/17-10/18/01	EL85P1CM
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Nickel	103	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85P1CN
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Potassium	98	(89 - 110)	SW846 6010B	10/17-10/18/01	EL85P1CP
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Selenium	105	(90 - 114)	SW846 6010B	10/17-10/18/01	EL85P1CQ
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Silver	102	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85P1A2
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Sodium	102	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85P1A3
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Thallium	104	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85P1A4
		Dilution Factor: 1			
		Analysis Time..: 11:15			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: H1J110141 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	104	(90 - 110)	SW846 6010B	10/17-10/18/01	EL85P1A5
		Dilution Factor: 1			
		Analysis Time..: 11:15			
Zinc	108	(90 - 115)	SW846 6010B	10/17-10/18/01	EL85P1A6
		Dilution Factor: 1			
		Analysis Time..: 11:15			

NOTE(S):

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

Sample Data Summary

IT CORPORATION - KNOXVILLE

Client Sample ID: BD3020

General Chemistry

Lot-Sample #...: H1J110141-001 Work Order #...: ELX47 Matrix.....: WATER
Date Sampled...: 10/10/01 Date Received..: 10/11/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated	370	5.0	mg/L	MCAWW 325.2	10/14/01	1287111
		Dilution Factor: 5				
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	10/17-10/18/01	1295391
		Dilution Factor: 1				
Hardness, as CaCO3	1650	125	mg/L	MCAWW 130.2	10/25/01	1298557
		Dilution Factor: 25				
Nitrate	ND G	1.0	mg/L	MCAWW 353.2	10/12/01	1285394
		Dilution Factor: 10				
Sulfate	212	50.0	mg/L	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 10				
Total Alkalinity	1060 J	10.0	mg/L	MCAWW 310.1	10/19/01	1295292
		Dilution Factor: 2				
Total Dissolved Solids	1950	40.0	mg/L	MCAWW 160.1	10/16-10/17/01	1290209
		Dilution Factor: 4				
Total Organic Carbon	6.8	1.0	mg/L	SW846 9060	11/01/01	1306317
		Dilution Factor: 1				
Total Suspended Solids	12.0	4.0	mg/L	MCAWW 160.2	10/16/01	1290170
		Dilution Factor: 1				
Turbidity	3.6	0.50	NTU	MCAWW 180.1	10/11/01	1285406
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

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

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: H1J110141 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JQ1AA		MB Lot-Sample #:	A1J140000-111	
	ND	1.0	mg/L	MCAWW 325.2	10/14/01	1287111
		Dilution Factor: 1				
Cyanide, Total		Work Order #: EMJ3Q1AA		MB Lot-Sample #:	H1J220000-391	
	ND	0.010	mg/L	SW846 9012A	10/17-10/18/01	1295391
		Dilution Factor: 1				
Hardness, as CaCO3		Work Order #: EMTN61AA		MB Lot-Sample #:	A1J250000-557	
	ND	5.0	mg/L	MCAWW 130.2	10/25/01	1298557
		Dilution Factor: 1				
Nitrate		Work Order #: EL4H91AA		MB Lot-Sample #:	A1J120000-394	
	ND	0.10	mg/L	MCAWW 353.2	10/12/01	1285394
		Dilution Factor: 1				
Sulfate		Work Order #: EL8JM1AA		MB Lot-Sample #:	A1J160000-368	
	ND	5.0	mg/L	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 1				
Total Alkalinity		Work Order #: EMJXN1AA		MB Lot-Sample #:	A1J220000-292	
	2.8 B	**5.0**	**mg/L**	**MCAWW 310.1**	**10/19/01**	**1295292**
		Dilution Factor: 1				
Total Dissolved Solids		Work Order #: EMDLQ1AA		MB Lot-Sample #:	A1J170000-209	
	ND	10.0	mg/L	MCAWW 160.1	10/16-10/17/01	1290209
		Dilution Factor: 1				
Total Organic Carbon		Work Order #: EM9GK1AA		MB Lot-Sample #:	A1K020000-317	
	ND	1.0	mg/L	SW846 9060	11/01/01	1306317
		Dilution Factor: 1				
Total Suspended Solids		Work Order #: EL8671AA		MB Lot-Sample #:	A1J170000-170	
	ND	4.0	mg/L	MCAWW 160.2	10/16/01	1290170
		Dilution Factor: 1				
Turbidity		Work Order #: EL4L61AA		MB Lot-Sample #:	A1J120000-406	
	ND	0.50	NTU	MCAWW 180.1	10/11/01	1285406
		Dilution Factor: 1				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J110141 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated			Work Order #: EL5JQ1AC LCS Lot-Sample#: A1J140000-111				
	124	127	mg/L	102	MCAWW 325.2	10/14/01	1287111
			Dilution Factor: 1				
Cyanide, Total			Work Order #: EMJ3Q1AC LCS Lot-Sample#: H1J220000-391				
	0.200	0.191	mg/L	96	SW846 9012A	10/17-10/18/01	1295391
			Dilution Factor: 1				
Hardness, as CaCO3			Work Order #: EMTN61AC LCS Lot-Sample#: A1J250000-557				
	267	270	mg/L	101	MCAWW 130.2	10/25/01	1298557
			Dilution Factor: 1				
Nitrate			Work Order #: EL4H91AC LCS Lot-Sample#: A1J120000-394				
	0.500	0.479	mg/L	96	MCAWW 353.2	10/12/01	1285394
			Dilution Factor: 1				
Sulfate			Work Order #: EL8JM1AC LCS Lot-Sample#: A1J160000-368				
	18.3	18.8	mg/L	103	MCAWW 375.4	10/16/01	1289368
			Dilution Factor: 1				
Total Alkalinity			Work Order #: EMJXN1AC LCS Lot-Sample#: A1J220000-292				
	18.3	22.6	mg/L	124	MCAWW 310.1	10/19/01	1295292
			Dilution Factor: 1				
Total Dissolved Solids			Work Order #: EMDLQ1AC LCS Lot-Sample#: A1J170000-209				
	281	279	mg/L	99	MCAWW 160.1	10/16-10/17/01	1290209
			Dilution Factor: 1				
Total Organic Carbon			Work Order #: EM9GK1AC LCS Lot-Sample#: A1K020000-317				
	50.4	48.2	mg/L	96	SW846 9060	11/01/01	1306317
			Dilution Factor: 1				
Total Suspended Solids			Work Order #: EL8671AC LCS Lot-Sample#: A1J170000-170				
	62.2	59.0	mg/L	95	MCAWW 160.2	10/16/01	1290170
			Dilution Factor: 1				
Turbidity			Work Order #: EL4L61AC LCS Lot-Sample#: A1J120000-406				
	1.00	1.07	NTU	107	MCAWW 180.1	10/11/01	1285406
			Dilution Factor: 1				

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: H1J110141 Matrix.....: WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: H1J110141 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chloride - Automated		Work Order #: EL5JQ1AC		LCS Lot-Sample#: A1J140000-111	
	102	(90 - 115)	MCAWW 325.2	10/14/01	1287111
		Dilution Factor: 1			
Cyanide, Total		Work Order #: EMJ3Q1AC		LCS Lot-Sample#: H1J220000-391	
	96	(88 - 113)	SW846 9012A	10/17-10/18/01	1295391
		Dilution Factor: 1			
Hardness, as CaCO3		Work Order #: EMTN61AC		LCS Lot-Sample#: A1J250000-557	
	101	(84 - 116)	MCAWW 130.2	10/25/01	1298557
		Dilution Factor: 1			
Nitrate		Work Order #: EL4H91AC		LCS Lot-Sample#: A1J120000-394	
	96	(77 - 116)	MCAWW 353.2	10/12/01	1285394
		Dilution Factor: 1			
Sulfate		Work Order #: EL8JM1AC		LCS Lot-Sample#: A1J160000-368	
	103	(80 - 112)	MCAWW 375.4	10/16/01	1289368
		Dilution Factor: 1			
Total Alkalinity		Work Order #: EMJXN1AC		LCS Lot-Sample#: A1J220000-292	
	124	(90 - 127)	MCAWW 310.1	10/19/01	1295292
		Dilution Factor: 1			
Total Dissolved Solids		Work Order #: EMDLQ1AC		LCS Lot-Sample#: A1J170000-209	
	99	(69 - 120)	MCAWW 160.1	10/16-10/17/01	1290209
		Dilution Factor: 1			
Total Organic Carbon		Work Order #: EM9GK1AC		LCS Lot-Sample#: A1K020000-317	
	96	(88 - 115)	SW846 9060	11/01/01	1306317
		Dilution Factor: 1			
Total Suspended Solids		Work Order #: EL8671AC		LCS Lot-Sample#: A1J170000-170	
	95	(66 - 119)	MCAWW 160.2	10/16/01	1290170
		Dilution Factor: 1			
Turbidity		Work Order #: EL4L61AC		LCS Lot-Sample#: A1J120000-406	
	107	(75 - 125)	MCAWW 180.1	10/11/01	1285406
		Dilution Factor: 1			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: H1J110141 Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #

NOTE(S):

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

Sample Receipt Documentation

H1J110141

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW101001STL-K

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Kessler
Profit Center:
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/10/01
Laboratory Destination: STL - Knoxville
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 830345881151

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
BD3020	Water	10/09/01 11:30	VOA vials Glass & HDPE	5120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered), Cyanide - pH12	unfiltered - pH2	
TB101001A	Water	10/10/01 18:00	VOA vials	80 ml	Ice HCl	Volatiles		
						BD3020 Filtered	metal - pH12 -	perched to pH2 with HNO3 in Lab by MFH
						Rec'd temp. 2°c		
						custody Seals intact		
						Fedex# 83034 5881151		
						MFH. 10-11-01		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: 21 DAYS Rush: ____

Level of QC Required:
I. ____ II. ____ III. ____ Project Specific: ____

1. Relinquished by: [signature]	Date: 10-10-01 Time: 18:00	1. Received by: Matthew L Howard	Date: 10-11-01 Time: 08:30
2. Relinquished by:	Date: Time:	2. Received by:	Date: Time:
3. Relinquished by:	Date: Time:	2. Received by:	Date: Time:

Comments: Note: No cyanide sample was shipped for BD3037 due to insufficient sample.
Thank You

STL KNOXVILLE
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

CLIENT: IT. Corp. PROJECT: Plumbrook Ordinace work Lot No.: HL3ND141

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?	✓		
(NOTE: North Carolina, 1668, 1613B have 0-4°C requirement)			
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? MF 10-11-01	✗		✓
j. Were samples received within 1/2 of the 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: Matthew J. Howard DATE: 10-11-01

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 44281			
b. Informed Login associates of special instructions ?			X

2. If custody seals were missing/not intact, was client notified?			X

PROJECT MANAGER : JM DATE: 10/12/01

	Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
*	BD3020	Filtered metal	4e	Recd with pH<2, preserved to pH<2 with HNO3 in lab
**	↓	~~Volatiles~~ All MF 10-11-01	7a	Sample Id Date is 10-10-01, coc date is 10-09-01 We 10/10/01 per email
*	Trip Blank	8260	7b	Sample Id does not show Date of collection

** 10/11/01 email

☒ Client informed on 10/12/01 by Conference. Person contacted: M McMyler.

* ☒ Noted actions in comments section above.

☒ No action necessary; process as is.

Project Manager: JM Date: 10/12/01

QA026R8.doc

STL KNOXVILLE

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 received with < ½ holding time remaining
	4e Sample preservative: _____
	4f 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): _____

_____

_____

_____

STL KNOXVILLE

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT PROJECT: PBOW Lot No.: HIJ110141

TO BE COMPETED BY PROJECT MANAGER:

1. Client Documents (Request for Analysis/Chain of Custody):	YES	NO	NA
a. Was QuanTIMS lot number documented on all paperwork?	X		
b. Was RFA/COC signed upon receipt, including date/time?	X		
c. Is preservative check (pH) noted on RFA/COC?	X		
d. Is cooler temperature & custody seal condition noted on COC?	X		

2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	X		
b. Were tests/parameters assigned correctly?	X		
c. Were correct analytical and report due dates assigned?	X		
d. Has the correct fax due date been assigned to the lot?			X
e. Is the correct report format noted in the lot summary?	X		
f. Is percent moisture logged for samples requiring this analysis?			X
g. Are client assigned QC samples properly defined?			X

3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?			X
b If the purchase order number is given, is it noted in Lot header?			X
c. If samples were subcontracted, was copy of COC in folder?	X		

sample shipped directly

4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?			X
b Is SDG number noted in Lot header & sample comments?			X
c. If SDG is complete, has the due date been revised & marked closed?			X

5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	X		
b. Was there a CUR?	X		
c. Were all issues resolved?	X		

LOT FOLDER REVIEWED BY: [signature] DATE: 10/12/01

H1J110141

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW101001STL-N

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Kessler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/10/01
Laboratory Destination: STL - North Canton
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 830345879059

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative		Condition on Receipt	Disposal Record
BD3020	Water	10/10/01 11:30	VOA vials & HDPE	1290 ml	As Required	Hardness, TOC, Alkalinity, Chloride, Nitrate, Sulfate, TDS, TSS, Turb 180.1		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: Flammable: Poison B: Unknown:

Sample Disposal:
Return to Client: Disposal by Lab: Archive:

Turnaround Time:
Normal: Rush:

Level of QC Required:
I. II. III.

Project Specific:

1. Relinquished by: [signature] Date: 10-10-01 Time: 18:00
2. Relinquished by: Date: Time:
3. Relinquished by: Date: Time:

1. Received by: Date: Time:
2. Received by: Date: Time:
2. Received by: Date: Time:

Comments: Please disregard laboratory reference on bottle labels.

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STL Cooler Receipt Form/Narrative
North Canton Facility

Client: IT Project: _____ Quote#: _____
Cooler Received on: 10-11-01 Opened on: 10-11-01 by: _____ (Signature)

Fedx ☒ Client Drop Off ☐ UPS ☐ Airborne ☐
Other: _____

Cooler ☐ Safe ☐ Foam Box ☐ Client Cooler ☒ Other: _____
STL Shipper No#: _____

1. Were custody seals on the outside of the cooler and intact? Yes ☒ No ☐
   If YES, Quantity 2 Location Over Fed
   Were the custody seals signed and dated? Yes ☒ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☒ No ☐
3. Were custody papers included inside the cooler and relinquished? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used:

Peanuts ☐ Bubble Wrap ☒ Vermiculite ☒ Foam ☐ None ☐ Other : _____

6. Cooler temperature upon receipt 20 °C (see back of form for multiple coolers/temp)

METHOD: Temperature Vial ☒ Between Coolant & Sample Container ☐ Against Bottles ☐
COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Were all the bottles sealed in separate plastic bags? Yes ☐ No ☒
8. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
9. Did all bottle labels and tags agree with the custody papers? Yes ☒ No ☐
10. Were samples at the correct pH? Yes ☒ No ☐ NA ☐
11. Were correct bottles used for the tests indicated? Yes ☒ No ☐
12. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☐ NA ☒
13. Was a sufficient amount of sample sent in each bottle? Yes ☒ No ☐

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐
Concerning:

√	MACRO	MACRO
1. CHAIN OF CUSTODY		
	SR1A	Samples were received under proper custody procedures and without discrepancies.
	SR1B	The chain of custody and sample bottles did not agree. The following discrepancies occurred _____
2. SAMPLE CONDITION		
	SR2A	Sample(s) _____ were received or requested after the recommended holding time had expired.
	SR2B	Sample(s) _____ were received with insufficient volume
	SR2C	Sample(s) _____ were received in a broken container.
3. SAMPLE PRESERVATION		
	SR3A	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s).
	SR3B	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
4. NCM		
	SR4A	NCM has been generated. Refer to Clouseau for details
5. Other Anomalies (see below or back)		

SEVERN
TRENT
SERVICES

STL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921-5947

Tel: 865-291-3000
Fax: 865-584-4315
www.stl-inc.com

ANALYTICAL REPORT

PBOW

Lot #: H1J120206

Maureen McMyler

IT Corporation - Knoxville
312 Directors Drive
Knoxville, TN 37923

SEVERN TRENT LABORATORIES, INC.

Jamie A. McKinney
Project Manager

November 12, 2001

H1J120206 Sample Data Summary **1**

Sample Receipt Documentation **33**

Volatiles **39**
Raw Sample Data 40
Standards Data 117
Raw QC Data 232
Miscellaneous Data 290

GRO **297**
Sample Information 298
QC Summary 307
Sample Data 313
Standards Data 322
Raw QC Data 361

DRO **378**
Sample Information 379
QC Summary 387
Sample Data 393
Standards Data 406
Raw QC Data 500

Sample Receipt Documentation **525**

Total Number of Pages **530**

SAMPLE SUMMARY

H1J120206

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
EL21J	001	FP7001	10/08/01	16:15
EL3LF	002	FP7002	10/10/01	11:35
EL3LK	003	TB101001B	10/11/01	13:00

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.

ANALYTICAL METHODS SUMMARY

H1J120206

PARAMETER	ANALYTICAL METHOD
Extractable Petroleum Hydrocarbons	SW846 8015B
Volatile Organics by GC/MS	SW846 8260B
Volatile Petroleum Hydrocarbons	SW846 8015B

References:

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

PROJECT NARRATIVE
H1J120206

The results reported herein are applicable to the samples submitted for analysis only.

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

The original chain of custody documentation is included with this report.

Sample Receipt

Both containers for samples FP7001 and FP7002 were received with headspace.

Sample TB101001B was received labeled as TB101101B.

The chain of custody requested method 8021 for GRO analysis. Per a conversation with the client (M. McMyler, 10/12/01) the GRO analysis were logged for method 8015.

Subcontract

The following analyses were performed by STL Austin Laboratory, 14046 Summit Dr, Austin, TX 78728: Gasoline Range Organics and Diesel Range Organics (SW846 8015B).

Quality Control

Unless otherwise noted, all holding times and QC criteria were met. The test results shown in this report meet all applicable NELAC requirements. Any exceptions are noted below.

STL Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ, California DHS ELAP Cert. #2423, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906 (SDWA, 5/14/01-6/21/02), Hawaii DOH, Indiana DOH Cert. #C-TN-02, Kentucky DEP Lab ID #90101, Louisiana DEQ Cert. #03079, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #81001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, North Carolina DEHNR Cert. #64, Oklahoma DEQ ID #9415, South Carolina DHEC Lab ID #84001, Tennessee DOH Lab ID #02014, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, US Army Corps of Engineers, Naval Facilities Engineering Service Center, US EPA Perchlorate Approval and USDA Soil Permit #S-46424. 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
H1J120206

Volatiles

Sample FP7001 was reported with elevated reporting limits for all analytes due to the presence of non-target compounds. A dilution was necessary prior to analysis, and the reporting limits were adjusted accordingly.

Sample FP7002 was reported with elevated reporting limits for all analytes. Based on screening results, a dilution was necessary prior to analysis; the reporting limits were adjusted accordingly. The sample was biphasic.

The result for methylene chloride for method blank EL7P51AA was greater than the reporting limit, but less than 5 times the reporting limit. Methylene chloride is considered a common laboratory contaminant.

STL Knoxville maintains the following certifications, approvals and accreditations: Arkansas DEQ, California DHS ELAP Cert. #2423, Connecticut DPH Cert. #PH-0223, Florida DOH Cert. #E87177, Georgia DNR Cert. #906 (SDWA, 5/14/01-6/21/02), Hawaii DOH, Indiana DOH Cert. #C-TN-02, Kentucky DEP Lab ID #90101, Louisiana DEQ Cert. #03079, Maryland DHMH Cert. #277, Massachusetts DEP Cert. #M-TN009, Michigan DEQ Lab ID #9933, New Jersey DEP Cert. #81001, New York DOH Lab #10781, North Carolina DPH Lab ID #21705, North Carolina DEHNR Cert. #64, Oklahoma DEQ ID #9415, South Carolina DHEC Lab ID #84001, Tennessee DOH Lab ID #02014, Virginia DGS Lab ID #00165, Washington DOE Lab #C120, Wisconsin DNR Lab ID #998044300, US Army Corps of Engineers, Naval Facilities Engineering Service Center, US EPA Perchlorate Approval and USDA Soil Permit #S-46424. 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: FP7001

GC/MS Volatiles

Lot-Sample #...: H1J120206-001 **Work Order #...:** EL21J1AD **Matrix.....:** WASTE
Date Sampled...: 10/08/01 **Date Received..:** 10/12/01
Prep Date.....: 10/16/01 **Analysis Date..:** 10/19/01
Prep Batch #...: 1289275
Dilution Factor: 100
% Moisture.....: **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	250	mg/kg
Bromomethane	ND	250	mg/kg
Vinyl chloride	ND	250	mg/kg
Chloroethane	ND	250	mg/kg
Methylene chloride	**210 B**	**120**	**mg/kg**
Acetone	ND	500	mg/kg
Carbon disulfide	ND	120	mg/kg
1,1-Dichloroethene	ND	120	mg/kg
1,1-Dichloroethane	ND	120	mg/kg
1,2-Dichloroethene (total)	ND	120	mg/kg
Chloroform	ND	120	mg/kg
1,2-Dichloroethane	ND	120	mg/kg
2-Butanone	ND	500	mg/kg
1,1,1-Trichloroethane	ND	120	mg/kg
Carbon tetrachloride	ND	120	mg/kg
Bromodichloromethane	ND	120	mg/kg
1,2-Dichloropropane	ND	120	mg/kg
cis-1,3-Dichloropropene	ND	120	mg/kg
Trichloroethene	ND	120	mg/kg
Dibromochloromethane	ND	120	mg/kg
1,1,2-Trichloroethane	ND	120	mg/kg
Benzene	**89 J**	**120**	**mg/kg**
trans-1,3-Dichloropropene	ND	120	mg/kg
Bromoform	ND	120	mg/kg
4-Methyl-2-pentanone	ND	500	mg/kg
2-Hexanone	ND	500	mg/kg
Tetrachloroethene	ND	120	mg/kg
1,1,2,2-Tetrachloroethane	ND	120	mg/kg
Toluene	**610**	**120**	**mg/kg**
Chlorobenzene	ND	120	mg/kg
Ethylbenzene	**680**	**120**	**mg/kg**
Styrene	ND	120	mg/kg
Xylenes (total)	**3800 B**	**120**	**mg/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	NC,DIL	(62 - 133)
1,2-Dichloroethane-d4	NC,DIL	(67 - 131)
Toluene-d8	NC,DIL	(72 - 129)
Bromofluorobenzene	NC,DIL	(64 - 148)

(Continued on next page)

IT CORPORATION - KNOXVILLE

Client Sample ID: FP7001

GC/MS Volatiles

Lot-Sample #...: H1J120206-001 Work Order #...: EL21J1AD Matrix.....: WASTE

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

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: FP7002

GC/MS Volatiles

Lot-Sample #...: H1J120206-002 **Work Order #...:** EL3LF1AD **Matrix.....:** WASTE
Date Sampled...: 10/10/01 **Date Received..:** 10/12/01
Prep Date.....: 10/16/01 **Analysis Date..:** 10/19/01
Prep Batch #...: 1289275
Dilution Factor: 25
% Moisture.....: **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	62	mg/kg
Bromomethane	ND	62	mg/kg
Vinyl chloride	ND	62	mg/kg
Chloroethane	ND	62	mg/kg
Methylene chloride	**42 B**	**30**	**mg/kg**
Acetone	**30 J,B**	**120**	**mg/kg**
Carbon disulfide	ND	30	mg/kg
1,1-Dichloroethene	ND	30	mg/kg
1,1-Dichloroethane	ND	30	mg/kg
1,2-Dichloroethene (total)	ND	30	mg/kg
Chloroform	ND	30	mg/kg
1,2-Dichloroethane	ND	30	mg/kg
2-Butanone	ND	120	mg/kg
1,1,1-Trichloroethane	ND	30	mg/kg
Carbon tetrachloride	ND	30	mg/kg
Bromodichloromethane	ND	30	mg/kg
1,2-Dichloropropane	ND	30	mg/kg
cis-1,3-Dichloropropene	ND	30	mg/kg
Trichloroethene	**4.6 J**	**30**	**mg/kg**
Dibromochloromethane	ND	30	mg/kg
1,1,2-Trichloroethane	ND	30	mg/kg
Benzene	**25 J**	**30**	**mg/kg**
trans-1,3-Dichloropropene	ND	30	mg/kg
Bromoform	ND	30	mg/kg
4-Methyl-2-pentanone	ND	120	mg/kg
2-Hexanone	ND	120	mg/kg
Tetrachloroethene	ND	30	mg/kg
1,1,2,2-Tetrachloroethane	ND	30	mg/kg
Toluene	**120**	**30**	**mg/kg**
Chlorobenzene	ND	30	mg/kg
Ethylbenzene	**200**	**30**	**mg/kg**
Styrene	ND	30	mg/kg
Xylenes (total)	**1600 B**	**30**	**mg/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	NC,DIL	(62 - 133)
1,2-Dichloroethane-d4	NC,DIL	(67 - 131)
Toluene-d8	NC,DIL	(72 - 129)
Bromofluorobenzene	NC,DIL	(64 - 148)

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IT CORPORATION - KNOXVILLE

Client Sample ID: FP7002

GC/MS Volatiles

Lot-Sample #...: H1J120206-002 Work Order #...: EL3LF1AD Matrix.....: WASTE

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

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: TB101001B

GC/MS Volatiles

Lot-Sample #...: H1J120206-003 **Work Order #...:** EL3LK1AA **Matrix.....:** WATER
Date Sampled...: 10/11/01 **Date Received..:** 10/12/01
Prep Date.....: 10/17/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1290219
Dilution Factor: 1 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chloromethane	ND	2.0	ug/L
Bromomethane	ND	2.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	2.0	ug/L
Methylene chloride	**1.7 J,B**	**2.0**	**ug/L**
Acetone	**7.7 J,B**	**10**	**ug/L**
Carbon disulfide	**3.1**	**1.0**	**ug/L**
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	**1.9 J**	**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	**0.96 J**	**5.0**	**ug/L**
2-Hexanone	ND	5.0	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	**1.2**	**1.0**	**ug/L**
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	1.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	108	(80 - 120)
Toluene-d8	109	(80 - 120)
Bromofluorobenzene	110	(72 - 135)

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IT CORPORATION - KNOXVILLE

Client Sample ID: TB101001B

GC/MS Volatiles

Lot-Sample #...: H1J120206-003 Work Order #...: EL3LK1AA 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 #...: H1J120206 **Work Order #...:** EL7P51AA **Matrix.....:** WASTE
MB Lot-Sample #: H1J160000-275

Prep Date.....: 10/16/01
Analysis Date..: 10/19/01 **Prep Batch #...:** 1289275
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	**0.32 J**	**2.5**	**mg/kg**	**SW846 8260B**
Bromomethane	**0.44 J**	**2.5**	**mg/kg**	**SW846 8260B**
Vinyl chloride	ND	2.5	mg/kg	SW846 8260B
Chloroethane	ND	2.5	mg/kg	SW846 8260B
Methylene chloride	**1.6**	**1.2**	**mg/kg**	**SW846 8260B**
Acetone	**0.79 J**	**5.0**	**mg/kg**	**SW846 8260B**
Carbon disulfide	ND	1.2	mg/kg	SW846 8260B
1,1-Dichloroethene	ND	1.2	mg/kg	SW846 8260B
1,1-Dichloroethane	ND	1.2	mg/kg	SW846 8260B
1,2-Dichloroethene (total)	ND	1.2	mg/kg	SW846 8260B
Chloroform	ND	1.2	mg/kg	SW846 8260B
1,2-Dichloroethane	ND	1.2	mg/kg	SW846 8260B
2-Butanone	ND	5.0	mg/kg	SW846 8260B
1,1,1-Trichloroethane	ND	1.2	mg/kg	SW846 8260B
Carbon tetrachloride	ND	1.2	mg/kg	SW846 8260B
Bromodichloromethane	ND	1.2	mg/kg	SW846 8260B
1,2-Dichloropropane	ND	1.2	mg/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	1.2	mg/kg	SW846 8260B
Trichloroethene	ND	1.2	mg/kg	SW846 8260B
Dibromochloromethane	ND	1.2	mg/kg	SW846 8260B
1,1,2-Trichloroethane	ND	1.2	mg/kg	SW846 8260B
Benzene	ND	1.2	mg/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	1.2	mg/kg	SW846 8260B
Bromoform	ND	1.2	mg/kg	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	mg/kg	SW846 8260B
2-Hexanone	ND	5.0	mg/kg	SW846 8260B
Tetrachloroethene	ND	1.2	mg/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.2	mg/kg	SW846 8260B
Toluene	ND	1.2	mg/kg	SW846 8260B
Chlorobenzene	ND	1.2	mg/kg	SW846 8260B
Ethylbenzene	ND	1.2	mg/kg	SW846 8260B
Styrene	ND	1.2	mg/kg	SW846 8260B
Xylenes (total)	**0.13 J**	**1.2**	**mg/kg**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	88	(62 - 133)
1,2-Dichloroethane-d4	86	(67 - 131)
Toluene-d8	103	(72 - 129)
Bromofluorobenzene	97	(64 - 148)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J120206 **Work Order #...:** EL7P51AA **Matrix.....:** WASTE

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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J120206 **Work Order #...:** EL7P51AC **Matrix.....:** WASTE
LCS Lot-Sample#: H1J160000-275
Prep Date.....: 10/16/01 **Analysis Date..:** 10/19/01
Prep Batch #...: 1289275
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**12.5**	**10.3**	**mg/kg**	**82**	**SW846 8260B**
Trichloroethene	**12.5**	**12.7**	**mg/kg**	**101**	**SW846 8260B**
Benzene	**12.5**	**13.1**	**mg/kg**	**105**	**SW846 8260B**
Toluene	**12.5**	**14.2**	**mg/kg**	**114**	**SW846 8260B**
Chlorobenzene	**12.5**	**13.4**	**mg/kg**	**108**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(62 - 133)
1,2-Dichloroethane-d4	87	(67 - 131)
Toluene-d8	105	(72 - 129)
Bromofluorobenzene	94	(64 - 148)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J120206 **Work Order #...:** EL7P51AC **Matrix.....:** WASTE
LCS Lot-Sample#: H1J160000-275
Prep Date.....: 10/16/01 **Analysis Date..:** 10/19/01
Prep Batch #...: 1289275
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**82**	**(57 - 128)**	**SW846 8260B**
Trichloroethene	**101**	**(80 - 129)**	**SW846 8260B**
Benzene	**105**	**(76 - 128)**	**SW846 8260B**
Toluene	**114**	**(75 - 131)**	**SW846 8260B**
Chlorobenzene	**108**	**(80 - 129)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(62 - 133)
1,2-Dichloroethane-d4	87	(67 - 131)
Toluene-d8	105	(72 - 129)
Bromofluorobenzene	94	(64 - 148)

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 #...: H1J120206 **Work Order #...:** EL9AN1AA **Matrix.....:** WATER
MB Lot-Sample #: H1J170000-219

Prep Date.....: 10/17/01
Analysis Date..: 10/17/01 **Prep Batch #...:** 1290219
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chloromethane	ND	2.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Methylene chloride	**0.22 J**	**2.0**	**ug/L**	**SW846 8260B**
Acetone	**0.66 J**	**10**	**ug/L**	**SW846 8260B**
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	5.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	106	(80 - 120)
Toluene-d8	110	(80 - 120)
Bromofluorobenzene	111	(72 - 135)

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: H1J120206 **Work Order #...:** EL9AN1AA **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 DATA REPORT

GC/MS Volatiles

Client Lot #...: H1J120206 **Work Order #...:** EL9AN1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J170000-219 EL9AN1AD-LCSD
Prep Date.....: 10/17/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1290219
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**10.0**	**8.69**	**ug/L**	**87**		**SW846 8260B**
	10.0	**8.94**	**ug/L**	**89**	**2.9**	**SW846 8260B**
Trichloroethene	**10.0**	**9.70**	**ug/L**	**97**		**SW846 8260B**
	10.0	**10.2**	**ug/L**	**102**	**5.1**	**SW846 8260B**
Benzene	**10.0**	**9.82**	**ug/L**	**98**		**SW846 8260B**
	10.0	**10.2**	**ug/L**	**102**	**4.2**	**SW846 8260B**
Toluene	**10.0**	**10.3**	**ug/L**	**103**		**SW846 8260B**
	10.0	**10.5**	**ug/L**	**105**	**1.9**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.86**	**ug/L**	**99**		**SW846 8260B**
	10.0	**10.1**	**ug/L**	**101**	**2.8**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
	103	(80 - 120)
1,2-Dichloroethane-d4	105	(80 - 120)
	106	(80 - 120)
Toluene-d8	111	(80 - 120)
	110	(80 - 120)
Bromofluorobenzene	108	(72 - 135)
	109	(72 - 135)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: H1J120206 **Work Order #...:** EL9AN1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: H1J170000-219 EL9AN1AD-LCSD
Prep Date.....: 10/17/01 **Analysis Date..:** 10/17/01
Prep Batch #...: 1290219
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**87**	**(69 - 120)**			**SW846 8260B**
	89	**(69 - 120)**	**2.9**	**(0-26)**	**SW846 8260B**
Trichloroethene	**97**	**(76 - 120)**			**SW846 8260B**
	102	**(76 - 120)**	**5.1**	**(0-17)**	**SW846 8260B**
Benzene	**98**	**(76 - 120)**			**SW846 8260B**
	102	**(76 - 120)**	**4.2**	**(0-19)**	**SW846 8260B**
Toluene	**103**	**(77 - 120)**			**SW846 8260B**
	105	**(77 - 120)**	**1.9**	**(0-17)**	**SW846 8260B**
Chlorobenzene	**99**	**(75 - 120)**			**SW846 8260B**
	101	**(75 - 120)**	**2.8**	**(0-17)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
	103	(80 - 120)
1,2-Dichloroethane-d4	105	(80 - 120)
	106	(80 - 120)
Toluene-d8	111	(80 - 120)
	110	(80 - 120)
Bromofluorobenzene	108	(72 - 135)
	109	(72 - 135)

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: FP7001

GC Volatiles

Lot-Sample #...:	H1J120206-001	**Work Order #...:**	EL21J1AC	**Matrix.....:**	WASTE
Date Sampled...:	10/08/01	**Date Received..:**	10/12/01		
Prep Date.....:	10/22/01	**Analysis Date..:**	10/22/01		
Prep Batch #...:	1296324				
Dilution Factor:	806.45				
% Moisture.....:		**Method.....:**	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	**160000000**	**8100000**	**ug/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	NC,DIL	(75 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: FP7002

GC Volatiles

Lot-Sample #...:	H1J120206-002	Work Order #...:	EL3LF1AC	Matrix.....:	WASTE
Date Sampled...:	10/10/01	Date Received..:	10/12/01		
Prep Date.....:	10/22/01	Analysis Date..:	10/22/01		
Prep Batch #...:	1296324				
Dilution Factor:	649.35				
% Moisture.....:		Method.....:	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Gasoline Range Organics	52000000	6500000	ug/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	NC,DIL	(75 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

METHOD BLANK REPORT

GC Volatiles

Client Lot #...: H1J120206 **Work Order #...:** EMLJJ1AA **Matrix.....:** WASTE
MB Lot-Sample #: I1J230000-324

Prep Date.....: 10/22/01
Analysis Date..: 10/22/01 **Prep Batch #...:** 1296324
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Gasoline Range Organics	ND	10000	ug/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	104	(75 - 125)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC Volatiles

Client Lot #...: H1J120206 **Work Order #...:** EMLJJ1AC **Matrix.....:** WASTE
LCS Lot-Sample#: I1J230000-324
Prep Date.....: 10/22/01 **Analysis Date..:** 10/22/01
Prep Batch #...: 1296324
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Gasoline Range Organics	**100000**	**101000**	**ug/kg**	**101**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(75 - 125)

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 Volatiles

Client Lot #...: H1J120206 **Work Order #...:** EMLJJ1AC **Matrix.....:** WASTE
LCS Lot-Sample#: I1J230000-324
Prep Date.....: 10/22/01 **Analysis Date..:** 10/22/01
Prep Batch #...: 1296324
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Gasoline Range Organics	**101**	**(70 - 134)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Bromofluorobenzene	110	(75 - 125)

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: FP7001

GC Semivolatiles

Lot-Sample #...:	H1J120206-001	**Work Order #...:**	EL21J1AA	**Matrix.....:**	WASTE
Date Sampled...:	10/08/01	**Date Received..:**	10/12/01		
Prep Date.....:	10/22/01	**Analysis Date..:**	10/25/01		
Prep Batch #...:	1297361				
Dilution Factor:	20				
% Moisture.....:		**Method.....:**	SW846 8015B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**31000**	**10000**	**mg/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	NC,DIL	(40 - 144)
Dotriacontane	NC,DIL	(42 - 159)

NOTE(S):

NC The recovery and/or RPD were not calculated.

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

IT CORPORATION - KNOXVILLE

Client Sample ID: FP7002

GC Semivolatiles

Lot-Sample #...: H1J120206-002 **Work Order #...:** EL3LF1AA **Matrix.....:** WASTE
Date Sampled...: 10/10/01 **Date Received..:** 10/12/01
Prep Date.....: 10/22/01 **Analysis Date..:** 11/02/01
Prep Batch #...: 1297361
Dilution Factor: 1
% Moisture.....: **Method.....:** SW846 8015B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diesel Range Organics	**4800**	**500**	**mg/kg**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	95	(40 - 144)
Dotriacontane	135	(42 - 159)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: H1J120206 **Work Order #...:** EMNWE1AA **Matrix.....:** WASTE
MB Lot-Sample #: I1J240000-361

Prep Date.....: 10/22/01
Analysis Date..: 10/24/01 **Prep Batch #...:** 1297361
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Diesel Range Organics	ND	500	mg/kg	SW846 8015B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	80	(40 - 144)
Dotriacontane	90	(42 - 159)

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

GC Semivolatiles

Client Lot #...: H1J120206 **Work Order #...:** EMNWE1AC **Matrix.....:** WASTE
LCS Lot-Sample#: I1J240000-361
Prep Date.....: 10/22/01 **Analysis Date..:** 10/24/01
Prep Batch #...: 1297361
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Diesel Range Organics	**200**	**55.8**	**mg/kg**	**28**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	85	(40 - 144)
Dotriacontane	75	(42 - 159)

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 #...: H1J120206 **Work Order #...:** EMNWE1AC **Matrix.....:** WASTE
LCS Lot-Sample#: I1J240000-361
Prep Date.....: 10/22/01 **Analysis Date..:** 10/24/01
Prep Batch #...: 1297361
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Diesel Range Organics	**28**	**(26 - 148)**	**SW846 8015B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
o-Terphenyl	85	(40 - 144)
Dotriacontane	75	(42 - 159)

NOTE(S):

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

Bold print denotes control parameters

Sample Receipt Documentation

HIJ120206

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW101101STL-K2

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Kessler
Profit Center:
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/11/01
Laboratory Destination: STL - Knoxville
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: Hand Delivered

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
FP7001	Organic Unknown	10/8/01 16:15	VOA vials	Approx. 80 ml	Ice	Volatiles by 8260B, DRO by 8021, GRO by 8021		
FP7002	Organic Unknown	10/10/01 11:35	VOA vials	Approx. 80 ml	Ice	Volatiles by 8260B, DRO by 8021, GRO by 8021		
TB101001B	Water	10/11/01 13:00	VOA vials	80 ml	Ice HCl	Volatiles		
						Rec'd temp. 3°c		
						No Custody Seals		
						Hand delivered		
						MFH. 10-12-01		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: 21 DAYS Rush: ____

Level of QC Required:
I. ____ II. ____ III. ____ Project Specific: ____

1. Relinquished by: [signature] Date: 10-11-01 Time: 16:15
2. Relinquished by: David Kessler Date: 10/12/01 Time: 1300
3. Relinquished by: Date: Time:

1. Received by: David Kessler Date: 10-11-01 Time: 1630
2. Received by: Matthew L. Howard Date: 10-12-01 Time: 13:00
2. Received by: Date: Time:

Comments: Note: No cyanide sample was shipped for BD3037 due to insufficient sample.
Thank You

STL KNOXVILLE
SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Page 1 of 2

CLIENT: IT Corp. PROJECT: Plumbrook Ordinace works Lot No.: #1J120206

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?	✓			
(NOTE: North Carolina, 1668, 1613B have 0-4°C requirement)				
c. Were samples received with correct preservative (excluding Encore)?	✓			
d. Were custody seals present/intact on cooler and/or containers?		✓		hand delivered
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 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: Matthew F. Howard DATE: 10-12-01

TO BE COMPLETED BY PROJECT MANAGER :

1. Project manager "Sample Greet":	YES	NO	NA
a. Quote number to be logged-in under 44281			
b. Informed Login associates of special instructions ?			X
2. If custody seals were missing/not intact, was client notified?		X	X 10/15/01

PROJECT MANAGER : [signature] DATE: 10/15/01

Client Sample ID	Analysis Requested	Condition (see legend)	Comments/Action
TB101001B	8260	7A	Sample Id is TB101101B
FP7001	8260, DRO, GRO	3-e	2 of 2 containers rec'd with Headspac
FP7002	↓ ↓ ↓	↓	↓

☑ Client informed on 10/15/01 by Conference. Person contacted: MMcMyer.
☐ Noted actions in comments section above.
☒ No action necessary; process as is.

Project Manager: [signature] Date: 10/15/01

STL KNOXVILLE
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 received with < ½ holding time remaining
	4e Sample preservative: _____
	4f 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): _____

_____

_____

_____

STL KNOXVILLE

SAMPLE LOG-IN (LOT SUMMARY) REVIEW CHECKLIST

CLIENT: IT PROJECT: PBW Lot No.: H1J120206

TO BE COMPETED BY PROJECT MANAGER:

1. Client Documents (Request for Analysis/Chain of Custody):	YES	NO	NA
a. Was QuanTIMS lot number documented on all paperwork?	X		
b. Was RFA/COC signed upon receipt, including date/time?	X		
c. Is preservative check (pH) noted on RFA/COC?			X
d. Is cooler temperature & custody seal condition noted on COC?	X		

2. Log-in (Lot Folder) Review:	YES	NO	NA
a. Do client IDs on Client Summaries match RFA/COC?	X		
b. Were tests/parameters assigned correctly?	X		
c. Were correct analytical and report due dates assigned?	X		
d. Has the correct fax due date been assigned to the lot?			X
e. Is the correct report format noted in the lot summary?	X		
f. Is percent moisture logged for samples requiring this analysis?			X
g. Are client assigned QC samples properly defined?			X

3. Contract/Subcontract Review:	YES	NO	NA
a. Is there a contract number or PO for this work?			X
b If the purchase order number is given, is it noted in Lot header?			X
c. If samples were subcontracted, was copy of COC in folder?			X

4. SDG Review:	YES	NO	NA
a. If SDG is required, is SDG form in Lot folder?			X
b Is SDG number noted in Lot header & sample comments?			X
c. If SDG is complete, has the due date been revised & marked closed?			X

5. Checklist Review:	YES	NO	NA
a. Has Sample Receipt Checklist been filled-out?	X		
b. Was there a CUR?	X		
c. Were all issues resolved?			X

LOT FOLDER REVIEWED BY: [signature] DATE: 10/15/04

Severn Trent Laboratories, Inc
SAMPLE ANALYSIS REQUISITION

LABORATORY: STL Austin
14046 Summit Dr
Austin TX 78728,HOW AR

NEED ANALYTICAL REPORT BY
10/28/01

ATTN:

LAB PURCHASE ORDER: SR034128

CLIENT CODE: 99266 PROJECT MANAGER: Jamie A. McKinney

NUMBER OF SAMPLES IN LOT: 0001

SAMPLE I.D.	SAMPLING DATE	ANALYSIS REQUIRED
H1J120206-001 EL21J-1-AA	10/08/01	Hydrocarbons, Extractable Petroleum (8015B) (TPHS_O) METHOD: 8015B
H1J120206-001 EL21J-1-AC	10/08/01	Hydrocarbons, Volatile Petroleum (8015B) (TPHV_O) METHOD: 8015B
H1J120206-002 EL3LF-1-AA	10/10/01	Hydrocarbons, Extractable Petroleum (8015B) (TPHS_O) METHOD: 8015B
H1J120206-002 EL3LF-1-AC	10/10/01	Hydrocarbons, Volatile Petroleum (8015B) (TPHV_O) METHOD: 8015B

NEED DETECTION LIMIT AND ANALYSIS DATE INCLUDED IN REPORT.

SHIPPING METHOD: FED EX # 827366463429 DATE: 10/12/01

SEND REPORT TO: JAMIE MCKINNEY

SAMPLE RECEIVED BY: _____ DATE: _____

PLEASE SEND A SIGNED COPY OF THIS FORM WITH REPORT AT COMPLETION OF ANALYSIS.

THANK YOU.

STL Knoxville
INT: _____ 10/12/01 13:26:37
STL Austin
14046 Summit Dr
Austin TX 78728,HOW AR

RELINQUISHED BY: Matthew J. Hess DATE/TIME: 10-12-01, 15:40

RELINQUISHED BY: _____ DATE/TIME: _____

RECEIVED FOR LAB BY: _____ DATE/TIME: _____

PLEASE RETURN ORIGINAL SAMPLE ANALYSIS REQUISITION

PARAGON ANALYTICS, INC.
225 Commerce Drive ◆ Fort Collins, CO 80524 ◆ (800) 443-1511 ◆ (970) 490-1511 ◆ FAX (970) 490-1522

October 19, 2001

Ms. Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, TN 37923

RE: Paragon Workorder: 01-09-139
Client Project Name: PLUMBROOK ORDINACE WORKS
Client Project Number: 825635

Dear Ms. McMyler:

Three soil samples were received from IT Corporation on September 28, 2001. The samples were scheduled for the following analyses:

Total Metals	pages 1-141
GC/MS Volatiles	pages 1-173
Explosives by HPLC	pages 1-168

The results for these analyses are contained in the enclosed reports.

Thank you for your confidence in Paragon Analytics, Inc. Should you have any questions, please call.

Sincerely,

Debbie Fazio

Paragon Analytics, Inc.
Debbie Fazio
Project Manager

DJF/mj
Enclosure: Report

Paragon Analytics, Incorporated

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0109139
Client Name: IT Corporation
Client Project Name: PLUMBROOK ORDINACE WORKS
Client Project Number: 825635
Client PO Number: 173457

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
BD0027	0109139-1		SOIL	9/27/01	9:13
BD0031	0109139-2		SOIL	9/27/01	9:23
BD0032	0109139-3		SOIL	9/27/01	14:15
BD0031	0109139-4		LEACHAT	9/27/01	9:23
BD0032	0109139-5		LEACHAT	9/27/01	14:15

0109139

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW0927PARA

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Keesler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 9/27/01
Laboratory Destination: Paragon Analytics
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 827700978179

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

	Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
1	BD0027	Soil	9/27/01 9:13	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals		
2	BD0031	Soil	9/27/01 9:23	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
3	BD0032	Soil	9/27/01 14:15	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: 21 DAYS Rush: ____

Level of QC Required:
I. ____ II. ____ III. ____ Project Specific: ____

1. Relinquished by: [signature] Date: 9-27-01 Time: 19:30
2. Relinquished by: FEDEX Date: Time:
3. Relinquished by: Date: Time:

1. Received by: FEDEX Date: Time:
2. Received by: [signature] Date: 9-28-01 Time: 0915
2. Received by: Date: Time:

Comments:

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: IT KNOX **PROJECT MANAGER:** DF

WORKORDER NO: 0109139 **INITIALS:** [illegible] **DATE:** 9-28-01

1. Does this project require any special handling in addition to standard Paragon procedures?		Yes	No
IS PRE-SCREENING REQUIRED? (radiochemistry, DOE, etc.)		Yes	No
2. Are custody seals on shipping containers intact? How many custody seals are provided? 1	N/A	Yes	No
3. Are the custody seals on sample containers intact?	N/A	Yes	No
4. Is there a Chain-of-Custody (COC) or other representative documents, letters, or shipping memos?		Yes	No
5. Is the COC complete? Relinquished: Yes ✓ No___ Analyses Requested: Yes ✓ No___	N/A	Yes	No
6. Is the COC in agreement with the samples received? No. of Samples: Yes ✓ No___ Sample ID's: Yes ✓ No___ Matrix: Yes ✓ No___ No. of Containers: Yes ✓ No___	N/A	Yes	No
7. Were COC (if applicable) and sample labels legible?		Yes	No
8. Were airbills present and/or removable?		Yes	No
9. Are all aqueous samples requiring chemical preservation preserved correctly (excluding volatile organics)?	N/A	Yes	No
Are all aqueous **non-preserved** samples at the correct pH?		Yes	No
10. Is there enough sample for requested analyses? If so, were samples placed in the proper containers?		Yes	No
11. Are all samples within holding times for the requested analyses?		Yes	No
12. Were all sample containers received intact? (not broken or leaking, etc.)		Yes	No
13. Are samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? **Size of bubble: ___ < green pea; ___ > green pea** (List sample IDs and affected containers on Page 2)	N/A	Yes	No
14. Is Paragon to dispose of samples?		Yes	No
15. Were the sample(s) shipped on ice?	N/A	Yes	No
16. Were cooler temperatures measured at 2 - 6 °C ?	N/A	Yes	No
17. Were all samples cooled that should have been cooled?		Yes	No

Cooler #'s 1

Temperature 3°C °C

Project Manager Signature / Date: Debbie Fazio 10/1/01

A NO RESPONSE TO ANY QUESTION (EXCEPT # 1 and #14 REQUIRES THE COMPLETION OF PAGE 2 OF THIS FORM

500

FedEx Express *USA Airbill*

FedEx Tracking Number 827700978179

0215 **Recipient's Copy**

RECIPIENT: PEEL HERE

1 From This portion can be removed for Recipient's records.

Date 9/27/01 FedEx Tracking Number 827700978179

Sender's Name DAVID Kesslu Phone 865 690-3211

Company I T CORP

Address 312 DIRECTORS DR

Dept./Floor/Suite/Room

City KNOXVILLE State TN ZIP 37923

2 Your Internal Billing Reference PBOW 825635.05000000

3 To

Recipient's Name Debbie Fazio Phone 970 490-1511

Company Paragon Analytics

Address 225 Commerce Dr

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

City Fort Collins State CO ZIP 80524

8277 0097 8179

0185467519

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day — Second business day
- [ ] FedEx Express Saver — Third business day
- [ ] NEW FedEx Extra Hours — Later drop-off with next business afternoon delivery for select locations

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation: _____

5 Packaging * Declared value limit $500

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] SUNDAY Delivery — Available only for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available only for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or with FedEx Extra Hours service.

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- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [x] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- [ ] Obtain Recip. Acct. No.

Total Packages 1 Total Weight 27 Total Charges

Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the *FedEx Service Guide* for details.

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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Paragon Analytics, Inc.

TOTAL METALS CASE NARRATIVE

IT Corporation

PLUMBROOK ORDINACE WORKS -- 825635

Order Number - 0109139

1. This report consists of three soil samples.
2. The samples were received cool and intact on 9/28/01.
3. The samples were prepared for analysis based on SW-846, 3rd Edition procedures.

   For analysis by Trace ICP, the samples were digested following method 3050B and PAI SOP 806 Rev. 5.

   For analysis by Cold Vapor AA (CVAA), the samples were digested following method 7471A and PAI SOP 812 Rev. 7.
4. The samples were analyzed following SW-846, 3rd Edition procedures.

   Analysis by Trace ICP followed method 6010B and PAI SOP 807 Rev. 5.

   The relationship between intensity and concentration for each element is established using at least four standards, one of which is a blank solution. The equation which relates intensity to concentration is:

$$I = A_0 + (A_1 * c^n) + (A_2 * c^{2n})$$

where: I = intensity

c = concentration

A_0 = offset coefficient

A_1 = gain coefficient

A_2 = curvature coefficient

n = exponent coefficient

During sample analysis concentrations are computed by the software and the results are printed in mg/L. The instrument software does not provide a printout which gives both intensity and concentration. The validity of the calibration equation is tested by analyzing the following solutions: a blank, a low level check solution with concentrations near the reporting limit, an Initial

Calibration Verification (ICV) standard from a 2nd source standard solution with concentrations near the middle of the analytical range, a Continuing Calibration Verification (CCV) standard with concentrations at two times those in the ICV, and a readback of the highest calibration standard.

These solutions provide verification that the calibration equations are functioning properly throughout the analytical range of the instrument. During sample analysis dilutions are made for analytes found at concentrations above the highest calibration standard. No results are taken from extrapolations beyond the highest standard.

Analysis by CVAA followed method 7471A and PAI SOP 812 Rev. 7.

The relationship between intensity and concentration is determined daily, prior to sample analysis. At least five standards and a blank solution are analyzed to establish the calibration curve. The instrument software performs a linear regression to fit the calibration data to a curve of the form:

$$conc. = B * I + C$$

where: conc. = concentration

B = slope coefficient

I = intensity

C = intercept coefficient

A printout summarizing the calibration data supplies the calibration curve and correlation coefficient. During sample analysis both intensity and concentration values are printed. Dilutions are made for concentrations above the highest calibration standard. No results are taken from extrapolations above the highest standard.

5. All standards and solutions are NIST traceable and were used within their recommended shelf life.
6. The samples were prepared and analyzed within the established hold times.

All in house quality control procedures were followed, as described below.

7. General quality control procedures.
   - A preparation (method) blank, laboratory control sample, and laboratory control sample duplicate were digested and analyzed with the samples in each digestion batch. There were not more than 20 samples in each digestion batch.
   - The preparation (method) blank results associated with each digestion batch were below the practical quantitation limits for the requested analytes.
   - The laboratory control samples associated with each digestion batch were within the acceptance limits. This indicates complete digestion according to the method.

- All initial and continuing calibration blanks associated with each analytical batch were below the practical quantitation limits for the requested analytes.
- All initial and continuing calibration verifications associated with each analytical batch were within the acceptance criteria for the requested analytes. This indicates a valid calibration and stable instrument conditions.
- The interference check samples and high standard readbacks associated with Method 6010B analyses were within acceptance criteria.

8. Matrix specific quality control procedures.

   Since a sample from this Order Number was not selected as a quality control (QC) sample, matrix specific QC results are not included in this report.

9. All samples required dilutions to bring iron into the analytical range of the Trace ICP. Accurate quantitation of iron is necessary to correct for spectral interferences on cadmium, lead, selenium, and thallium. The cadmium, lead, selenium, and thallium results were determined from the diluted samples.

The data contained in the following report have been reviewed and approved by the personnel listed below:

Melissa Grytdal — 10/15/01
Melissa Grytdal — Date
Data Reporting Specialist

PEM — 10/16/01
Reviewer's Initials — Date

CERTIFICATION

Paragon Analytics, Inc. certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Paragon Analytics, Incorporated

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0109139
Client Name: IT Corporation
Client Project Name: PLUMBROOK ORDINACE WORKS
Client Project Number: 825635
Client PO Number: 173457

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
BD0027	0109139-1		SOIL	9/27/01	9:13
BD0031	0109139-2		SOIL	9/27/01	9:23
BD0032	0109139-3		SOIL	9/27/01	14:15
BD0031	0109139-4		LEACHAT	9/27/01	9:23
BD0032	0109139-5		LEACHAT	9/27/01	14:15

Chain of Custody

0109139

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW0927PARA

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Keesler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 9/27/01
Laboratory Destination: Paragon Analytics
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 827700978179

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

	Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
1	BD0027	Soil	9/27/01 9:13	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals		
2	BD0031	Soil	9/27/01 9:23	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
3	BD0032	Soil	9/27/01 14:15	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: 21 DAYS Rush: ____

Level of QC Required:
I. ____ II. ____ III. ____

Project Specific: ____

1. Relinquished by: [signature] Date: 9-27-01 Time: 19:30
2. Relinquished by: FEDEX Date: Time:
3. Relinquished by: Date: Time:

1. Received by: FEDEX Date: Time:
2. Received by: [signature] Date: 9-28-01 Time: 0915
2. Received by: Date: Time:

Comments:

00000

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: IT KNOX PROJECT MANAGER: DF

WORKORDER NO: 0109139 INITIALS: TA DATE: 9-28-01

1. Does this project require any special handling in addition to standard Paragon procedures?		Yes	No
IS PRE-SCREENING REQUIRED? (radiochemistry, DOE, etc.)		Yes	No
2. Are custody seals on shipping containers intact? How many custody seals are provided? 1	N/A	Yes	No
3. Are the custody seals on sample containers intact?	N/A	Yes	No
4. Is there a Chain-of-Custody (COC) or other representative documents, letters, or shipping memos?		Yes	No
5. Is the COC complete? Relinquished: Yes ✓ No___ Analyses Requested: Yes ✓ No___	N/A	Yes	No
6. Is the COC in agreement with the samples received? No. of Samples: Yes ✓ No___ Sample ID's: Yes ✓ No___ Matrix: Yes ✓ No___ No. of Containers: Yes ✓ No___	N/A	Yes	No
7. Were COC (if applicable) and sample labels legible?		Yes	No
8. Were airbills present and/or removable?		Yes	No
9. Are all aqueous samples requiring chemical preservation preserved correctly (excluding volatile organics)?	N/A	Yes	No
Are all aqueous **non-preserved** samples at the correct pH?		Yes	No
10. Is there enough sample for requested analyses? If so, were samples placed in the proper containers?		Yes	No
11. Are all samples within holding times for the requested analyses?		Yes	No
12. Were all sample containers received intact? (not broken or leaking, etc.)		Yes	No
13. Are samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? **Size of bubble: ___ < green pea; ___ > green pea** (List sample IDs and affected containers on Page 2)	N/A	Yes	No
14. Is Paragon to dispose of samples?		Yes	No
15. Were the sample(s) shipped on ice?	N/A	Yes	No
16. Were cooler temperatures measured at 2 - 6 °C ?	N/A	Yes	No
17. Were all samples cooled that should have been cooled?		Yes	No

Cooler #'s 1

Temperature 3°C °C

Project Manager Signature / Date: Debbie Fazio 10/1/01

A NO RESPONSE TO ANY QUESTION (EXCEPT # 1 and #14 REQUIRES THE COMPLETION OF PAGE 2 OF THIS FORM

500

FedEx. USA Airbill Express

FedEx Tracking Number 827700978179

0215 **Recipient's Copy**

RECIPIENT: PEEL HERE

1 From This portion can be removed for Recipient's records.

Date 9/27/01 FedEx Tracking Number 827700978179

Sender's Name David Kessler Phone 865 690-3211

Company I T CORP

Address 312 DIRECTORS DR

Dept./Floor/Suite/Room

City KNOXVILLE State TN ZIP 37923

2 Your Internal Billing Reference PBOW 825635.05000000

3 To

Recipient's Name Debbie Fazio Phone 970 490-1511

Company Paragon Analytics

Address 225 Commerce Dr

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

City Fort Collins State CO ZIP 80524

8277 0097 8179

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0185467519

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day — Second business day
- [ ] FedEx Express Saver — Third business day
- [ ] NEW FedEx Extra Hours — Later drop-off with next business afternoon delivery for select locations

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation: _____

5 Packaging * Declared value limit $500

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] SUNDAY Delivery — Available only for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available only for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or with FedEx Extra Hours service.

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- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [x] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- [ ] Obtain Recip. Acct. No.

Total Packages	Total Weight	Total Charges
1	27	Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the *FedEx Service Guide* for details.

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

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Inorganic Qualifiers

Inorganic Data Reporting Qualifiers

The following qualifiers are used by the laboratory when reporting results of inorganic analyses.

- Result qualifier -- A "B" is entered if the reported value was obtained from a reading that was less than the Practical Quantitation Limit but greater than or equal to the Method Detection Limit (MDL). If the analyte was analyzed for but not detected a "U" is entered.

- QC qualifier -- Specified entries and their meanings are as follows:

  E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

  M - Duplicate injection precision was not met.

  N - Spiked sample recovery not within control limits. A post spike is analyzed for all 6010B analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

  * - Duplicate analysis (relative percent difference) not within control limits.

Sample Results

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0027
Lab ID: 0109139-1

Sample Matrix: SOIL
% Moisture: 23
Date Collected: 27-Sep-01
Date Extracted: 03-Oct-01
Date Analyzed: 05-Oct-01

Prep Batch: IP011003-2
QCBatchID: IP011003-2-2
Run ID: IT011005-1A3
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 G
Final Volume: 100 ML
Result Units: MG/KG
CleanupDF: 1
File Name: TS11005

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	11000	26	1.1		
7440-36-0	ANTIMONY	1	1.2	2.6	0.19	B	
7440-38-2	ARSENIC	1	13	1.3	0.31		
7440-39-3	BARIUM	1	72	13	0.016		
7440-41-7	BERYLLIUM	1	0.62	0.65	0.016	B	
7440-43-9	CADMIUM	2	0.15	1.3	0.05	B	
7440-70-2	CALCIUM	1	48000	130	1.1		
7440-47-3	CHROMIUM	1	18	1.3	0.046		
7440-48-4	COBALT	1	11	1.3	0.038		
7440-50-8	COPPER	1	26	1.3	0.058		
7439-89-6	IRON	2	30000	26	2.4		
7439-92-1	LEAD	2	13	0.78	0.4		
7439-95-4	MAGNESIUM	1	12000	130	0.66		
7439-96-5	MANGANESE	1	610	1.3	0.029		
7440-02-0	NICKEL	1	33	2.6	0.084		
7440-09-7	POTASSIUM	1	1900	130	3.9		
7782-49-2	SELENIUM	2	0.85	1.3	0.29	B	
7440-22-4	SILVER	1	1.3	1.3	0.038	U	
7440-23-5	SODIUM	1	350	130	2.3		
7440-28-0	THALLIUM	2	2.6	2.6	0.67	U	
7440-62-2	VANADIUM	1	24	1.3	0.061		
7440-66-6	ZINC	1	64	2.6	0.077		

Data Package ID: *IT0109139-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0031
Lab ID: 0109139-2

Sample Matrix: SOIL
% Moisture: 20
Date Collected: 27-Sep-01
Date Extracted: 03-Oct-01
Date Analyzed: 05-Oct-01

Prep Batch: IP011003-2
QCBatchID: IP011003-2-2
Run ID: IT011005-1A3
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 G
Final Volume: 100 ML
Result Units: MG/KG
CleanupDF: 1
File Name: TS11005

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	8700	25	1		
7440-36-0	ANTIMONY	1	2.6	2.5	0.19		
7440-38-2	ARSENIC	1	41	1.3	0.3		
7440-39-3	BARIUM	1	360	13	0.016		
7440-41-7	BERYLLIUM	1	1.5	0.63	0.015		
7440-43-9	CADMIUM	5	3.1	3.1	0.12	U	
7440-70-2	CALCIUM	1	3300	130	1		
7440-47-3	CHROMIUM	1	12	1.3	0.044		
7440-48-4	COBALT	1	25	1.3	0.037		
7440-50-8	COPPER	1	68	1.3	0.056		
7439-89-6	IRON	5	92000	63	5.8		
7439-92-1	LEAD	5	26	1.9	0.97		
7439-95-4	MAGNESIUM	1	1000	130	0.63		
7439-96-5	MANGANESE	1	1000	1.3	0.028		
7440-02-0	NICKEL	1	140	2.5	0.081		
7440-09-7	POTASSIUM	1	870	130	3.7		
7782-49-2	SELENIUM	5	3.9	3.1	0.7		
7440-22-4	SILVER	1	1.3	1.3	0.037	U	
7440-23-5	SODIUM	1	50	130	2.2	B	
7440-28-0	THALLIUM	5	3	6.3	1.6	B	
7440-62-2	VANADIUM	1	33	1.3	0.059		
7440-66-6	ZINC	1	180	2.5	0.075		

Data Package ID: *IT0109139-1*

Total ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0032
Lab ID: 0109139-3

Sample Matrix: SOIL
% Moisture: 24.4
Date Collected: 27-Sep-01
Date Extracted: 03-Oct-01
Date Analyzed: 05-Oct-01

Prep Batch: IP011003-2
QCBatchID: IP011003-2-2
Run ID: IT011005-1A3
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 1 G
Final Volume: 100 ML
Result Units: MG/KG
CleanupDF: 1
File Name: TS11005

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	12000	26	1.1		
7440-36-0	ANTIMONY	1	1	2.6	0.2	B	
7440-38-2	ARSENIC	1	14	1.3	0.31		
7440-39-3	BARIUM	1	80	13	0.017		
7440-41-7	BERYLLIUM	1	0.62	0.66	0.016	B	
7440-43-9	CADMIUM	2	0.079	1.3	0.051	B	
7440-70-2	CALCIUM	1	2600	130	1.1		
7440-47-3	CHROMIUM	1	19	1.3	0.047		
7440-48-4	COBALT	1	16	1.3	0.039		
7440-50-8	COPPER	1	30	1.3	0.059		
7439-89-6	IRON	2	33000	26	2.4		
7439-92-1	LEAD	2	16	0.79	0.41		
7439-95-4	MAGNESIUM	1	5200	130	0.67		
7439-96-5	MANGANESE	1	720	1.3	0.03		
7440-02-0	NICKEL	1	39	2.6	0.085		
7440-09-7	POTASSIUM	1	1400	130	4		
7782-49-2	SELENIUM	2	1	1.3	0.3	B	
7440-22-4	SILVER	1	1.3	1.3	0.039	U	
7440-23-5	SODIUM	1	150	130	2.4		
7440-28-0	THALLIUM	2	2.6	2.6	0.68	U	
7440-62-2	VANADIUM	1	25	1.3	0.062		
7440-66-6	ZINC	1	71	2.6	0.079		

Data Package ID: *IT0109139-1*

Total MERCURY

Method SW7471

Sample Results

Lab Name: Paragon Analytics, Inc.
Client Name: IT Corporation
Client Project ID: PLUMBROOK ORDINACE WORKS 825635
Work Order Number: 0109139 **Final Volume:** 100 ML
Reporting Basis: Dry Weight **Matrix:** SOIL
Result Units: MG/KG

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	MDL	Flag	Sample Aliquot
BD0027	0109139-1	9/27/2001	10/2/2001	10/04/2001	23	1	0.13	0.13	0.0025	U	.6 G
BD0031	0109139-2	9/27/2001	10/2/2001	10/04/2001	20	1	0.13	0.13	0.0024	U	.6 G
BD0032	0109139-3	9/27/2001	10/2/2001	10/04/2001	24.4	1	0.13	0.13	0.0026	U	.6 G

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *HG0109139-1*

Summary Report Forms

ICP Metals

Method SW6010

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: IP011003-2MB

Sample Matrix: SEDIMENT
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/03/2001
Date Analyzed: 10/05/2001

Prep Batch: IP011003-2
QCBatchID: IP011003-2-2
Run ID: IT011005-1A3
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 G
Final Volume: 100 ML
Result Units: MG/KG
CleanupDF: 1
File Name: TS11005

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	2.1	20	0.82	B	
7440-36-0	ANTIMONY	1	2	2	0.15	U	
7440-38-2	ARSENIC	1	1	1	0.24	U	
7440-39-3	BARIUM	1	-0.038	10	0.013	B	
7440-41-7	BERYLLIUM	1	-0.016	0.5	0.012	B	
7440-43-9	CADMIUM	1	0.5	0.5	0.019	U	
7440-70-2	CALCIUM	1	18	100	0.82	B	
7440-47-3	CHROMIUM	1	1	1	0.035	U	
7440-48-4	COBALT	1	-0.053	1	0.029	B	
7440-50-8	COPPER	1	1	1	0.045	U	
7439-89-6	IRON	1	5.8	10	0.92	B	
7439-92-1	LEAD	1	0.3	0.3	0.16	U	
7439-95-4	MAGNESIUM	1	-2.7	100	0.51	B	
7439-96-5	MANGANESE	1	0.053	1	0.023	B	
7440-02-0	NICKEL	1	2	2	0.064	U	
7440-09-7	POTASSIUM	1	5.9	100	3	B	
7782-49-2	SELENIUM	1	0.2	0.5	0.11	B	
7440-22-4	SILVER	1	1	1	0.029	U	
7440-23-5	SODIUM	1	13	100	1.8	B	
7440-28-0	THALLIUM	1	1	1	0.26	U	
7440-62-2	VANADIUM	1	1	1	0.047	U	
7440-66-6	ZINC	1	0.31	2	0.06	B	

Data Package ID: *IT0109139-1*

ICP Metals

Method SW6010

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: IP011003-2LCS

Sample Matrix: SEDIMENT
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/03/2001
Date Analyzed: 10/05/2001

Prep Batch: IP011003-2
QCBatchID: IP011003-2-2
Run ID: IT011005-1A3
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 G
Final Volume: 100 ML
Result Units: MG/KG
CleanupDF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7429-90-5	ALUMINUM	200	185	20		92	80 - 120%
7440-36-0	ANTIMONY	50	48.9	2		98	80 - 120%
7440-38-2	ARSENIC	200	186	1		93	80 - 120%
7440-39-3	BARIUM	200	188	10		94	80 - 120%
7440-41-7	BERYLLIUM	5	4.91	0.5		98	80 - 120%
7440-43-9	CADMIUM	5	4.7	0.5		94	80 - 120%
7440-70-2	CALCIUM	4000	3660	100		92	80 - 120%
7440-47-3	CHROMIUM	20	18.6	1		93	80 - 120%
7440-48-4	COBALT	50	45.7	1		91	80 - 120%
7440-50-8	COPPER	25	23.4	1		94	80 - 120%
7439-89-6	IRON	100	89.1	10		89	80 - 120%
7439-92-1	LEAD	50	46.3	0.3		93	80 - 120%
7439-95-4	MAGNESIUM	4000	3770	100		94	80 - 120%
7439-96-5	MANGANESE	50	45.9	1		92	80 - 120%
7440-02-0	NICKEL	50	45.9	2		92	80 - 120%
7440-09-7	POTASSIUM	4000	3360	100		84	80 - 120%
7782-49-2	SELENIUM	200	188	0.5		94	80 - 120%
7440-22-4	SILVER	5	4.75	1		95	80 - 120%
7440-23-5	SODIUM	4000	3460	100		87	80 - 120%
7440-28-0	THALLIUM	200	192	1		96	80 - 120%
7440-62-2	VANADIUM	50	48.1	1		96	80 - 120%
7440-66-6	ZINC	50	47.3	2		95	80 - 120%

Data Package ID: *IT0109139-1*

ICP Metals

Method SW6010

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: IP011003-2LCS

Sample Matrix: SEDIMENT
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/03/2001
Date Analyzed: 10/05/2001

Prep Batch: IP011003-2
QCBatchID: IP011003-2-2
Run ID: IT011005-1A3
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1 G
Final Volume: 100 ML
Result Units: MG/KG
CleanupDF: 1

Lab ID: IP011003-2LCSD

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
7429-90-5	ALUMINUM	200	186	20	93		1	20
7440-36-0	ANTIMONY	50	49.5	2	99		1	20
7440-38-2	ARSENIC	200	187	1	94		1	20
7440-39-3	BARIUM	200	190	10	95		1	20
7440-41-7	BERYLLIUM	5	4.96	0.5	99		1	20
7440-43-9	CADMIUM	5	4.71	0.5	94		0	20
7440-70-2	CALCIUM	4000	3680	100	92		0	20
7440-47-3	CHROMIUM	20	18.9	1	94		1	20
7440-48-4	COBALT	50	46.1	1	92		1	20
7440-50-8	COPPER	25	23.6	1	94		1	20
7439-89-6	IRON	100	88.5	10	89		1	20
7439-92-1	LEAD	50	46.9	0.3	94		1	20
7439-95-4	MAGNESIUM	4000	3790	100	95		1	20
7439-96-5	MANGANESE	50	46.4	1	93		1	20
7440-02-0	NICKEL	50	46.6	2	93		1	20
7440-09-7	POTASSIUM	4000	3380	100	85		1	20
7782-49-2	SELENIUM	200	191	0.5	96		2	20
7440-22-4	SILVER	5	4.74	1	95		0	20
7440-23-5	SODIUM	4000	3460	100	87		0	20
7440-28-0	THALLIUM	200	193	1	96		1	20
7440-62-2	VANADIUM	50	48.7	1	97		1	20
7440-66-6	ZINC	50	47.2	2	94		0	20

Data Package ID: *IT0109139-1*

Mercury

Method SW7471

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: HG011002-2MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/02/2001
Date Analyzed: 10/04/2001

Prep Batch: HG011002-2
QCBatchID: HG011002-2-2
Run ID: HG011004-1A3
Cleanup: NONE
Basis: N/A

Sample Aliquot: 0.6 G
Final Volume: 100 ML
Result Units: MG/KG
CleanupDF: 1
File Name: 1004SOIL

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7439-97-6	MERCURY	1	0.1	0.1	0.00195	U	

Data Package ID: *HG0109139-1*

Mercury

Method SW7471

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: HG011002-2LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/02/2001
Date Analyzed: 10/04/2001

Prep Batch: HG011002-2
QCBatchID: HG011002-2-2
Run ID: HG011004-1A3
Cleanup: NONE
Basis: N/A

Sample Aliquot: 0.6 G
Final Volume: 100 ML
Result Units: MG/KG
CleanupDF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7439-97-6	MERCURY	0.833	0.827	0.1		99	80 - 120%

Lab ID: HG011002-2LCSD

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
7439-97-6	MERCURY	0.833	0.825	0.1	99		0	20

Data Package ID: *HG0109139-1*

Paragon Analytics, Inc.

GC/MS Volatiles Case Narrative

IT Corporation

PLUMBROOK ORDINACE WORKS -- 82535

Order Number - 0109139

1. This report consists of 3 soil samples. The samples were received cool and intact by Paragon on 09/28/01.

2. These samples were prepared and analyzed according to SW-846, 3rd Edition procedures. Specifically, the soil samples were prepared by purging the heated contents of an EnCore sampler mixed with 10 mls of reagent water. The calibration curve was also prepared using the heated purge. This procedure, including the heating step, is based on Method 5035.

3. The samples were analyzed using GC/MS with a RTX-624 capillary column according to protocols based on SW-846 Method 8260B utilizing Paragon SOP 525 Rev 4. All positive results were quantitated with the average response of the initial calibration standards using the internal standard technique. The identification of positive results was achieved by a comparison of the retention time and mass spectrum of the sample versus the daily calibration standard.

   The results reported for methylene chloride are based upon a regression equation calculated from the initial calibration using the internal standard technique.

4. All initial calibration criteria for SPCC's and CCC's were met. Method 8260B states that the average response factor may be used for quantitation for all analytes if the mean of the RSD values for all analytes is less than or equal to 15%. The initial calibrations had a mean RSD value of less than 15%.

5. All continuing calibration criteria were met.

6. Methylene chloride, acetone and 2-butanone are common laboratory contaminants. In order to minimize the levels of these compounds detected in the gc/ms analysis,

Paragon has designated its volatile laboratory as a restricted access area. In addition, the laboratory has been equipped with a dedicated, conditioned air intake and exhaust system that operates under positive pressure in order to minimize cross contamination of these compounds.

The method blank VL010928-2 had methylene chloride detected above the reporting limit. This compound was not detected in the associated samples. The method blank VL011003-2 had methylene chloride detected above the reporting limit. This compound was detected in the associated samples, so the data were flagged.

7. All laboratory control spike and laboratory control spike duplicate recoveries and RPDs were within the acceptance criteria with the following exceptions:

Spiked Compound	QC Sample	Direction
Trichlorofluoromethane	VL010928-4LCS/D	high
Methylene chloride	VL010928-4LCS/D, VL011003-2LCS/D	high
Naphthalene	VL010928-4LCS	low
Naphthalene	VL010928-4LCS/D	RPD high
1,1,1,2-Tetrachloroethane	VL011003-2LCS	high
1,2-Dibromo-3-chloropropane	VL011003-2LCS/D	RPD high

The background levels of methylene chloride detected in this laboratory can cause inconsistent and irreproducible results for low level analyses.

With the exception of methylene chloride none of the above compounds were detected in the samples. Data were not affected, so no further action was taken.

8. A matrix spike and matrix spike duplicate were not designated for this sample delivery group. A laboratory control spike and laboratory control spike duplicate were performed instead.

9. The samples were originally analyzed within the required holding time. However, the samples were re-analyzed due to naphthalene being out low in the CCAL (VL010928-2A); The re-analyses were performed outside the holding time requirements. Results for both the original and re-analyzed samples are included. See NCR #3583, included in the Miscellaneous section of this report.

10. All surrogate recoveries were within acceptance criteria.

11. All internal standard recoveries were within acceptance criteria.

12. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in Paragon Analytics, Inc. Standard Operating Procedure 939 Revision 0. The chromatographic data system marks the manual integrations with an m on the quantitation report. Whenever manual integrations are performed, before and after chromatograms of the peak that was manually integrated are included in the report along with the reason why the re-integration was necessary.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics, Inc. certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Joe Nolte (for Tyler Knaebel) 10-12-01

Tyler Knaebel — Date

GC/MS Analyst

Reviewer's Initials — 10-16-01 Date

Paragon Analytics, Inc.
Data Qualifier Flags
Chromatography and Mass Spectrometry

U or ND:	This flag indicates that the compound was analyzed for but not detected.
J:	This flag indicates an estimated value. This flag is used as follows : (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); and (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL.
B:	This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.
E:	This flag identifies compounds whose concentration exceeds the upper level of the calibration range.
*:	This flag indicates that a spike recovery is equal to or outside the control criteria used. (This flag appears when a spike recovery is equal to, and therefore within, the control criteria due to a limitation in the current PAI LIMS system.)
+:	This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria. (This flag appears when the RPD is equal to, and therefore within, the control criteria due to a limitation in the current PAI LIMS system.)

Paragon Analytics, Incorporated

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0109139
Client Name: IT Corporation
Client Project Name: PLUMBROOK ORDINACE WORKS
Client Project Number: 825635
Client PO Number: 173457

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
BD0027	0109139-1		SOIL	9/27/01	9:13
BD0031	0109139-2		SOIL	9/27/01	9:23
BD0032	0109139-3		SOIL	9/27/01	14:15
BD0031	0109139-4		LEACHAT	9/27/01	9:23
BD0032	0109139-5		LEACHAT	9/27/01	14:15

0109139

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW0927PARA

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Keesler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 9/27/01
Laboratory Destination: Paragon Analytics
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 827700978179

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

	Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
1	BD0027	Soil	9/27/01 9:13	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals		
2	BD0031	Soil	9/27/01 9:23	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
3	BD0032	Soil	9/27/01 14:15	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: 21 DAYS Rush: ____

Level of QC Required:
I. ____ II. ____ III. ____

Project Specific: ____

1. Relinquished by: [signature] Date: 9-27-01 Time: 19:30
2. Relinquished by: FEDEX Date: Time:
3. Relinquished by: Date: Time:

1. Received by: FEDEX Date: Time:
2. Received by: [signature] Date: 9-28-01 Time: 0915
2. Received by: Date: Time:

Comments:

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: IT KNOX PROJECT MANAGER: DF

WORKORDER NO: 0109139 INITIALS: [illegible] DATE: 9-28-01

1. Does this project require any special handling in addition to standard Paragon procedures?		Yes	(No)
IS PRE-SCREENING REQUIRED? (radiochemistry, DOE, etc.)		Yes	(No)
2. Are custody seals on shipping containers intact? How many custody seals are provided? 1	N/A	(Yes)	No
3. Are the custody seals on sample containers intact?	(N/A)	Yes	No
4. Is there a Chain-of-Custody (COC) or other representative documents, letters, or shipping memos?		(Yes)	No
5. Is the COC complete? Relinquished: Yes ✓ No___ Analyses Requested: Yes ✓ No___	N/A	(Yes)	No
6. Is the COC in agreement with the samples received? No. of Samples: Yes ✓ No___ Sample ID's: Yes ✓ No___ Matrix: Yes ✓ No___ No. of Containers: Yes ✓ No___	N/A	(Yes)	No
7. Were COC (if applicable) and sample labels legible?		(Yes)	No
8. Were airbills present and/or removable?		(Yes)	No
9. Are all aqueous samples requiring chemical preservation preserved correctly (excluding volatile organics)?	(N/A)	Yes	No
Are all aqueous **non-preserved** samples at the correct pH?		Yes	No
10. Is there enough sample for requested analyses? If so, were samples placed in the proper containers?		(Yes)	No
11. Are all samples within holding times for the requested analyses?		(Yes)	No
12. Were all sample containers received intact? (not broken or leaking, etc.)		(Yes)	No
13. Are samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? **Size of bubble: ___ < green pea; ___ > green pea** (List sample IDs and affected containers on Page 2)	(N/A)	Yes	No
14. Is Paragon to dispose of samples?		(Yes)	No
15. Were the sample(s) shipped on ice?	N/A	(Yes)	No
16. Were cooler temperatures measured at 2 - 6 °C ?	N/A	(Yes)	No
17. Were all samples cooled that should have been cooled?		(Yes)	No

Cooler #'s 1 _____ _____ _____ _____ _____

Temperature 3°C _____ _____ _____ _____ °C

Project Manager Signature / Date: Debbie Fazio 10/1/01

A NO RESPONSE TO ANY QUESTION (EXCEPT # 1 and #14 REQUIRES THE COMPLETION OF PAGE 2 OF THIS FORM

500

FedEx Express *USA Airbill*

FedEx Tracking Number 827700978179

0215 **Recipient's Copy**

00008

RECIPIENT: PEEL HERE

1 From This portion can be removed for Recipient's records.

Date 9/27/01 FedEx Tracking Number 827700978179

Sender's Name David Kessler Phone 865 690-3211

Company I T CORP

Address 312 DIRECTORS DR Dept./Floor/Suite/Room

City KNOXVILLE State TN ZIP 37923

2 Your Internal Billing Reference PBOW 825635.05000000

3 To

Recipient's Name Debbie Fazio Phone 970 490-1511

Company Paragon Analytics

Address 225 Commerce Dr

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

City Fort Collins State CO ZIP 80524

8277 0097 8179

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0185467519

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day — Second business day
- [ ] FedEx Express Saver — Third business day
- [ ] NEW FedEx Extra Hours — Later drop-off with next business afternoon delivery for select locations

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation: _____

5 Packaging * Declared value limit $500

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] SUNDAY Delivery — Available only for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available only for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or with FedEx Extra Hours service.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [x] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- [ ] Obtain Recip. Acct. No.

[redacted]

Total Packages 1 Total Weight 27 [redacted] Total Charges

Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the *FedEx Service Guide* for details.

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com or call 1-800-Go-FedEx® (800)463-3339.

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Analytical Results

GC/MS Volatiles

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL010928-2MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 09/28/2001
Date Analyzed: 09/28/2001

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14073

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	10	10	1.1	U	
74-87-3	CHLOROMETHANE	1	10	10	0.88	U	
75-01-4	VINYL CHLORIDE	1	10	10	0.93	U	
74-83-9	BROMOMETHANE	1	10	10	1.3	U	
75-00-3	CHLOROETHANE	1	10	10	1.3	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	5	5	1.7	U	
107-02-8	ACROLEIN	1	50	50	29	U	
75-35-4	1,1-DICHLOROETHENE	1	5	5	0.91	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	1	5	5	1.7	U	
67-64-1	ACETONE	1	20	20	18	U	
74-88-4	IODOMETHANE	1	5	5	1.1	U	
75-15-0	CARBON DISULFIDE	1	5	5	0.92	U	
75-09-2	METHYLENE CHLORIDE	1	12	5	1.2		
156-60-5	TRANS-1,2-DICHLOROETHENE	1	5	5	1	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	5	5	1.9	U	
107-13-1	ACRYLONITRILE	1	50	50	32	U	
75-34-3	1,1-DICHLOROETHANE	1	5	5	0.95	U	
108-05-4	VINYL ACETATE	1	20	20	3	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	5	5	1.1	U	
78-93-3	2-BUTANONE	1	20	20	19	U	
74-97-5	BROMOCHLOROMETHANE	1	5	5	0.95	U	
67-66-3	CHLOROFORM	1	5	5	0.8	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	5	5	0.96	U	
594-20-7	2,2-DICHLOROPROPANE	1	5	5	1.1	U	
56-23-5	CARBON TETRACHLORIDE	1	5	5	0.99	U	
563-58-6	1,1-DICHLOROPROPENE	1	5	5	1	U	
107-06-2	1,2-DICHLOROETHANE	1	5	5	1.5	U	
71-43-2	BENZENE	1	5	5	0.98	U	
79-01-6	TRICHLOROETHENE	1	5	5	0.94	U	
78-87-5	1,2-DICHLOROPROPANE	1	5	5	0.74	U	

Data Package ID: *VL0109139-1*

~~00003~~ 00010

GC/MS Volatiles

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL010928-2MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 09/28/2001
Date Analyzed: 09/28/2001

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14073

74-95-3	DIBROMOMETHANE	1	5	5	1.3	U	
75-27-4	BROMODICHLOROMETHANE	1	5	5	0.65	U	
110-75-8	2-CHLOROETHYL VINYL ETHER	1	10	10	2.1	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	5	5	1.2	U	
108-10-1	4-METHYL-2-PENTANONE	1	20	20	16	U	
108-88-3	TOLUENE	1	5	5	0.94	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	5	5	1.1	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	5	5	1.3	U	
591-78-6	2-HEXANONE	1	20	20	17	U	
127-18-4	TETRACHLOROETHENE	1	5	5	1.2	U	
142-28-9	1,3-DICHLOROPROPANE	1	5	5	1.2	U	
124-48-1	DIBROMOCHLOROMETHANE	1	5	5	1.1	U	
106-93-4	1,2-DIBROMOETHANE	1	5	5	1.4	U	
544-10-5	1-CHLOROHEXANE	1	5	5	1.5	U	
108-90-7	CHLOROBENZENE	1	5	5	1	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	5	5	1.2	U	
100-41-4	ETHYLBENZENE	1	5	5	1	U	
136777-61-	M+P-XYLENE	1	5	5	2.2	U	
95-47-6	O-XYLENE	1	5	5	1.2	U	
100-42-5	STYRENE	1	5	5	1.2	U	
75-25-2	BROMOFORM	1	5	5	1.6	U	
98-82-8	ISOPROPYLBENZENE	1	5	5	1.3	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	5	5	3	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	5	5	2.9	U	
108-86-1	BROMOBENZENE	1	5	5	1.6	U	
103-65-1	N-PROPYLBENZENE	1	5	5	1.3	U	
95-49-8	2-CHLOROTOLUENE	1	5	5	1.5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	5	5	1.5	U	
106-43-4	4-CHLOROTOLUENE	1	5	5	1.2	U	
98-06-6	TERT-BUTYLBENZENE	1	5	5	1.3	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	5	5	1.2	U	
135-98-8	SEC-BUTYLBENZENE	1	5	5	1.3	U	

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260
Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL010928-2MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 09/28/2001
Date Analyzed: 09/28/2001

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14073

541-73-1	1,3-DICHLOROBENZENE	1	5	5	1	U	
99-87-6	P-ISOPROPYLTOLUENE	1	5	5	1.3	U	
106-46-7	1,4-DICHLOROBENZENE	1	5	5	1.1	U	
104-51-8	N-BUTYLBENZENE	1	5	5	1.5	U	
95-50-1	1,2-DICHLOROBENZENE	1	5	5	1.2	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	10	10	4	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	5	5	1.2	U	
87-68-3	HEXACHLOROBUTADIENE	1	5	5	1.4	U	
91-20-3	NAPHTHALENE	1	5	5	2.4	J	
87-61-6	1,2,3-TRICHLOROBENZENE	1	5	5	1.9	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	40.5		50	81	66 - 145
1868-53-7	DIBROMOFLUOROMETHANE	45.7		50	91	70 - 139
2037-26-5	TOLUENE-D8	48.6		50	97	76 - 125

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0027
Lab ID: 0109139-1

Sample Matrix: SOIL
% Moisture: 23
Date Collected: 27-Sep-01
Date Extracted: 28-Sep-01
Date Analyzed: 28-Sep-01

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 6.24 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14086

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	10	10	1.2	U	
74-87-3	CHLOROMETHANE	1	10	10	0.92	U	
75-01-4	VINYL CHLORIDE	1	10	10	0.97	U	
74-83-9	BROMOMETHANE	1	10	10	1.4	U	
75-00-3	CHLOROETHANE	1	10	10	1.3	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	5.2	5.2	1.8	U	
107-02-8	ACROLEIN	1	52	52	30	U	
75-35-4	1,1-DICHLOROETHENE	1	5.2	5.2	0.95	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	1	5.2	5.2	1.8	U	
67-64-1	ACETONE	1	21	21	19	U	
74-88-4	IODOMETHANE	1	5.2	5.2	1.1	U	
75-15-0	CARBON DISULFIDE	1	5.2	5.2	0.96	U	
75-09-2	METHYLENE CHLORIDE	1	5.2	5.2	1.2	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	5.2	5.2	1.1	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	5.2	5.2	2	U	
107-13-1	ACRYLONITRILE	1	52	52	33	U	
75-34-3	1,1-DICHLOROETHANE	1	5.2	5.2	0.99	U	
108-05-4	VINYL ACETATE	1	21	21	3.1	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	5.2	5.2	1.1	U	
78-93-3	2-BUTANONE	1	21	21	19	U	
74-97-5	BROMOCHLOROMETHANE	1	5.2	5.2	0.99	U	
67-66-3	CHLOROFORM	1	5.2	5.2	0.83	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	5.2	5.2	1	U	
594-20-7	2,2-DICHLOROPROPANE	1	5.2	5.2	1.2	U	
56-23-5	CARBON TETRACHLORIDE	1	5.2	5.2	1	U	
563-58-6	1,1-DICHLOROPROPENE	1	5.2	5.2	1.1	U	
107-06-2	1,2-DICHLOROETHANE	1	5.2	5.2	1.6	U	
71-43-2	BENZENE	1	5.2	5.2	1	U	
79-01-6	TRICHLOROETHENE	1	5.2	5.2	0.98	U	

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0027
Lab ID: 0109139-1

Sample Matrix: SOIL
% Moisture: 23
Date Collected: 27-Sep-01
Date Extracted: 28-Sep-01
Date Analyzed: 28-Sep-01

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 6.24 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14086

78-87-5	1,2-DICHLOROPROPANE	1	5.2	5.2	0.77	U	
74-95-3	DIBROMOMETHANE	1	5.2	5.2	1.3	U	
75-27-4	BROMODICHLOROMETHANE	1	5.2	5.2	0.68	U	
110-75-8	2-CHLOROETHYL VINYL ETHER	1	10	10	2.2	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	5.2	5.2	1.3	U	
108-10-1	4-METHYL-2-PENTANONE	1	21	21	17	U	
108-88-3	TOLUENE	1	5.2	5.2	0.98	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	5.2	5.2	1.2	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	5.2	5.2	1.4	U	
591-78-6	2-HEXANONE	1	21	21	18	U	
127-18-4	TETRACHLOROETHENE	1	5.2	5.2	1.2	U	
142-28-9	1,3-DICHLOROPROPANE	1	5.2	5.2	1.3	U	
124-48-1	DIBROMOCHLOROMETHANE	1	5.2	5.2	1.1	U	
106-93-4	1,2-DIBROMOETHANE	1	5.2	5.2	1.5	U	
544-10-5	1-CHLOROHEXANE	1	5.2	5.2	1.6	U	
108-90-7	CHLOROBENZENE	1	5.2	5.2	1.1	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	5.2	5.2	1.2	U	
100-41-4	ETHYLBENZENE	1	5.2	5.2	1.1	U	
136777-61-	M+P-XYLENE	1	5.2	5.2	2.3	U	
95-47-6	O-XYLENE	1	5.2	5.2	1.3	U	
100-42-5	STYRENE	1	5.2	5.2	1.2	U	
75-25-2	BROMOFORM	1	5.2	5.2	1.7	U	
98-82-8	ISOPROPYLBENZENE	1	5.2	5.2	1.3	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	5.2	5.2	3.2	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	5.2	5.2	3	U	
108-86-1	BROMOBENZENE	1	5.2	5.2	1.6	U	
103-65-1	N-PROPYLBENZENE	1	5.2	5.2	1.3	U	
95-49-8	2-CHLOROTOLUENE	1	5.2	5.2	1.6	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	5.2	5.2	1.6	U	
106-43-4	4-CHLOROTOLUENE	1	5.2	5.2	1.2	U	
98-06-6	TERT-BUTYLBENZENE	1	5.2	5.2	1.3	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	5.2	5.2	1.3	U	

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0027
Lab ID: 0109139-1

Sample Matrix: SOIL
% Moisture: 23
Date Collected: 27-Sep-01
Date Extracted: 28-Sep-01
Date Analyzed: 28-Sep-01

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 6.24 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14086

135-98-8	SEC-BUTYLBENZENE	1	5.2	5.2	1.4	U	
541-73-1	1,3-DICHLOROBENZENE	1	5.2	5.2	1.1	U	
99-87-6	P-ISOPROPYLTOLUENE	1	5.2	5.2	1.4	U	
106-46-7	1,4-DICHLOROBENZENE	1	5.2	5.2	1.2	U	
104-51-8	N-BUTYLBENZENE	1	5.2	5.2	1.6	U	
95-50-1	1,2-DICHLOROBENZENE	1	5.2	5.2	1.2	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	10	10	4.2	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	5.2	5.2	1.3	U	
87-68-3	HEXACHLOROBUTADIENE	1	5.2	5.2	1.4	U	
91-20-3	NAPHTHALENE	1	5.2	5.2	2.5	J	
87-61-6	1,2,3-TRICHLOROBENZENE	1	5.2	5.2	2	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	61.3		64.9	94	66 - 145
1868-53-7	DIBROMOFLUOROMETHANE	72.9		64.9	112	70 - 139
2037-26-5	TOLUENE-D8	68.3		64.9	105	76 - 125

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0032
Lab ID: 0109139-3

Sample Matrix: SOIL
% Moisture: 24.4
Date Collected: 27-Sep-01
Date Extracted: 28-Sep-01
Date Analyzed: 28-Sep-01

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 5.04 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14088

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	13	13	1.5	U	
74-87-3	CHLOROMETHANE	1	13	13	1.2	U	
75-01-4	VINYL CHLORIDE	1	13	13	1.2	U	
74-83-9	BROMOMETHANE	1	13	13	1.7	U	
75-00-3	CHLOROETHANE	1	13	13	1.7	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	6.6	6.6	2.2	U	
107-02-8	ACROLEIN	1	66	66	38	U	
75-35-4	1,1-DICHLOROETHENE	1	6.6	6.6	1.2	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	1	6.6	6.6	2.2	U	
67-64-1	ACETONE	1	28	26	24		
74-88-4	IODOMETHANE	1	6.6	6.6	1.4	U	
75-15-0	CARBON DISULFIDE	1	6.6	6.6	1.2	U	
75-09-2	METHYLENE CHLORIDE	1	6.6	6.6	1.6	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	6.6	6.6	1.4	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	6.6	6.6	2.5	U	
107-13-1	ACRYLONITRILE	1	66	66	41	U	
75-34-3	1,1-DICHLOROETHANE	1	6.6	6.6	1.2	U	
108-05-4	VINYL ACETATE	1	26	26	3.9	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	6.6	6.6	1.4	U	
78-93-3	2-BUTANONE	1	26	26	24	U	
74-97-5	BROMOCHLOROMETHANE	1	6.6	6.6	1.2	U	
67-66-3	CHLOROFORM	1	6.6	6.6	1	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	6.6	6.6	1.3	U	
594-20-7	2,2-DICHLOROPROPANE	1	6.6	6.6	1.5	U	
56-23-5	CARBON TETRACHLORIDE	1	6.6	6.6	1.3	U	
563-58-6	1,1-DICHLOROPROPENE	1	6.6	6.6	1.4	U	
107-06-2	1,2-DICHLOROETHANE	1	6.6	6.6	2	U	
71-43-2	BENZENE	1	6.6	6.6	1.3	U	
79-01-6	TRICHLOROETHENE	1	6.6	6.6	1.2	U	

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0032
Lab ID: 0109139-3

Sample Matrix: SOIL
% Moisture: 24.4
Date Collected: 27-Sep-01
Date Extracted: 28-Sep-01
Date Analyzed: 28-Sep-01

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 5.04 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14088

78-87-5	1,2-DICHLOROPROPANE	1	6.6	6.6	0.97	U	
74-95-3	DIBROMOMETHANE	1	6.6	6.6	1.7	U	
75-27-4	BROMODICHLOROMETHANE	1	6.6	6.6	0.85	U	
110-75-8	2-CHLOROETHYL VINYL ETHER	1	13	13	2.7	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	6.6	6.6	1.6	U	
108-10-1	4-METHYL-2-PENTANONE	1	26	26	21	U	
108-88-3	TOLUENE	1	6.6	6.6	1.2	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	6.6	6.6	1.5	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	6.6	6.6	1.7	U	
591-78-6	2-HEXANONE	1	26	26	22	U	
127-18-4	TETRACHLOROETHENE	1	6.6	6.6	1.6	U	
142-28-9	1,3-DICHLOROPROPANE	1	6.6	6.6	1.6	U	
124-48-1	DIBROMOCHLOROMETHANE	1	6.6	6.6	1.4	U	
106-93-4	1,2-DIBROMOETHANE	1	6.6	6.6	1.9	U	
544-10-5	1-CHLOROHEXANE	1	6.6	6.6	2	U	
108-90-7	CHLOROBENZENE	1	6.6	6.6	1.4	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	6.6	6.6	1.5	U	
100-41-4	ETHYLBENZENE	1	6.6	6.6	1.3	U	
136777-61-	M+P-XYLENE	1	6.6	6.6	2.9	U	
95-47-6	O-XYLENE	1	6.6	6.6	1.6	U	
100-42-5	STYRENE	1	6.6	6.6	1.5	U	
75-25-2	BROMOFORM	1	6.6	6.6	2.1	U	
98-82-8	ISOPROPYLBENZENE	1	6.6	6.6	1.7	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	6.6	6.6	4	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	6.6	6.6	3.8	U	
108-86-1	BROMOBENZENE	1	6.6	6.6	2.1	U	
103-65-1	N-PROPYLBENZENE	1	6.6	6.6	1.7	U	
95-49-8	2-CHLOROTOLUENE	1	6.6	6.6	2	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	6.6	6.6	2	U	
106-43-4	4-CHLOROTOLUENE	1	6.6	6.6	1.6	U	
98-06-6	TERT-BUTYLBENZENE	1	6.6	6.6	1.7	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	6.6	6.6	1.6	U	

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0032
Lab ID: 0109139-3

Sample Matrix: SOIL
% Moisture: 24.4
Date Collected: 27-Sep-01
Date Extracted: 28-Sep-01
Date Analyzed: 28-Sep-01

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 5.04 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14088

135-98-8	SEC-BUTYLBENZENE	1	6.6	6.6	1.8	U	
541-73-1	1,3-DICHLOROBENZENE	1	6.6	6.6	1.4	U	
99-87-6	P-ISOPROPYLTOLUENE	1	6.6	6.6	1.7	U	
106-46-7	1,4-DICHLOROBENZENE	1	6.6	6.6	1.5	U	
104-51-8	N-BUTYLBENZENE	1	6.6	6.6	2	U	
95-50-1	1,2-DICHLOROBENZENE	1	6.6	6.6	1.5	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	13	13	5.3	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	6.6	6.6	1.6	U	
87-68-3	HEXACHLOROBUTADIENE	1	6.6	6.6	1.8	U	
91-20-3	NAPHTHALENE	1	6.6	6.6	3.2	J	
87-61-6	1,2,3-TRICHLOROBENZENE	1	6.6	6.6	2.5	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	52.9		66.1	80	66 - 145
1868-53-7	DIBROMOFLUOROMETHANE	66.9		66.1	101	70 - 139
2037-26-5	TOLUENE-D8	57.2		66.1	86	76 - 125

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0031
Lab ID: 0109139-2

Sample Matrix: SOIL
% Moisture: 20
Date Collected: 27-Sep-01
Date Extracted: 28-Sep-01
Date Analyzed: 28-Sep-01

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 5.85 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14089

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	11	11	1.2	U	
74-87-3	CHLOROMETHANE	1	11	11	0.94	U	
75-01-4	VINYL CHLORIDE	1	11	11	0.99	U	
74-83-9	BROMOMETHANE	1	11	11	1.4	U	
75-00-3	CHLOROETHANE	1	11	11	1.4	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	5.3	5.3	1.8	U	
107-02-8	ACROLEIN	1	53	53	31	U	
75-35-4	1,1-DICHLOROETHENE	1	5.3	5.3	0.97	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	1	5.3	5.3	1.8	U	
67-64-1	ACETONE	1	21	21	20	U	
74-88-4	IODOMETHANE	1	5.3	5.3	1.1	U	
75-15-0	CARBON DISULFIDE	1	5.3	5.3	0.98	U	
75-09-2	METHYLENE CHLORIDE	1	5.3	5.3	1.3	U	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	5.3	5.3	1.1	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	5.3	5.3	2.1	U	
107-13-1	ACRYLONITRILE	1	53	53	34	U	
75-34-3	1,1-DICHLOROETHANE	1	5.3	5.3	1	U	
108-05-4	VINYL ACETATE	1	21	21	3.2	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	5.3	5.3	1.1	U	
78-93-3	2-BUTANONE	1	21	21	20	U	
74-97-5	BROMOCHLOROMETHANE	1	5.3	5.3	1	U	
67-66-3	CHLOROFORM	1	5.3	5.3	0.85	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	5.3	5.3	1	U	
594-20-7	2,2-DICHLOROPROPANE	1	5.3	5.3	1.2	U	
56-23-5	CARBON TETRACHLORIDE	1	5.3	5.3	1.1	U	
563-58-6	1,1-DICHLOROPROPENE	1	5.3	5.3	1.1	U	
107-06-2	1,2-DICHLOROETHANE	1	5.3	5.3	1.6	U	
71-43-2	BENZENE	1	5.3	5.3	1	U	
79-01-6	TRICHLOROETHENE	1	5.3	5.3	1	U	

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0031
Lab ID: 0109139-2

Sample Matrix: SOIL
% Moisture: 20
Date Collected: 27-Sep-01
Date Extracted: 28-Sep-01
Date Analyzed: 28-Sep-01

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 5.85 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14089

78-87-5	1,2-DICHLOROPROPANE	1	5.3	5.3	0.79	U	
74-95-3	DIBROMOMETHANE	1	5.3	5.3	1.4	U	
75-27-4	BROMODICHLOROMETHANE	1	5.3	5.3	0.69	U	
110-75-8	2-CHLOROETHYL VINYL ETHER	1	11	11	2.2	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	5.3	5.3	1.3	U	
108-10-1	4-METHYL-2-PENTANONE	1	21	21	17	U	
108-88-3	TOLUENE	1	5.3	5.3	1	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	5.3	5.3	1.2	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	5.3	5.3	1.4	U	
591-78-6	2-HEXANONE	1	21	21	18	U	
127-18-4	TETRACHLOROETHENE	1	5.3	5.3	1.3	U	
142-28-9	1,3-DICHLOROPROPANE	1	5.3	5.3	1.3	U	
124-48-1	DIBROMOCHLOROMETHANE	1	5.3	5.3	1.2	U	
106-93-4	1,2-DIBROMOETHANE	1	5.3	5.3	1.5	U	
544-10-5	1-CHLOROHEXANE	1	5.3	5.3	1.6	U	
108-90-7	CHLOROBENZENE	1	5.3	5.3	1.1	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	5.3	5.3	1.3	U	
100-41-4	ETHYLBENZENE	1	5.3	5.3	1.1	U	
136777-61-	M+P-XYLENE	1	5.3	5.3	2.4	U	
95-47-6	O-XYLENE	1	5.3	5.3	1.3	U	
100-42-5	STYRENE	1	5.3	5.3	1.3	U	
75-25-2	BROMOFORM	1	5.3	5.3	1.7	U	
98-82-8	ISOPROPYLBENZENE	1	5.3	5.3	1.4	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	5.3	5.3	3.2	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	5.3	5.3	3.1	U	
108-86-1	BROMOBENZENE	1	5.3	5.3	1.7	U	
103-65-1	N-PROPYLBENZENE	1	5.3	5.3	1.4	U	
95-49-8	2-CHLOROTOLUENE	1	5.3	5.3	1.6	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	5.3	5.3	1.6	U	
106-43-4	4-CHLOROTOLUENE	1	5.3	5.3	1.3	U	
98-06-6	TERT-BUTYLBENZENE	1	5.3	5.3	1.4	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	5.3	5.3	1.3	U	

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0031
Lab ID: 0109139-2

Sample Matrix: SOIL
% Moisture: 20
Date Collected: 27-Sep-01
Date Extracted: 28-Sep-01
Date Analyzed: 28-Sep-01

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 5.85 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14089

135-98-8	SEC-BUTYLBENZENE	1	5.3	5.3	1.4	U	
541-73-1	1,3-DICHLOROBENZENE	1	5.3	5.3	1.1	U	
99-87-6	P-ISOPROPYLTOLUENE	1	5.3	5.3	1.4	U	
106-46-7	1,4-DICHLOROBENZENE	1	5.3	5.3	1.2	U	
104-51-8	N-BUTYLBENZENE	1	5.3	5.3	1.6	U	
95-50-1	1,2-DICHLOROBENZENE	1	5.3	5.3	1.2	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	11	11	4.3	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	5.3	5.3	1.3	U	
87-68-3	HEXACHLOROBUTADIENE	1	5.3	5.3	1.5	U	
91-20-3	NAPHTHALENE	1	5.3	5.3	2.6	J	
87-61-6	1,2,3-TRICHLOROBENZENE	1	5.3	5.3	2	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	64		62.5	102	66 - 145
1868-53-7	DIBROMOFLUOROMETHANE	75.5		62.5	121	70 - 139
2037-26-5	TOLUENE-D8	68.7		62.5	110	76 - 125

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL011003-2MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/03/2001
Date Analyzed: 10/03/2001

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14138

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	10	10	1.1	U	
74-87-3	CHLOROMETHANE	1	10	10	0.88	U	
75-01-4	VINYL CHLORIDE	1	10	10	0.93	U	
74-83-9	BROMOMETHANE	1	10	10	1.3	U	
75-00-3	CHLOROETHANE	1	10	10	1.3	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	5	5	1.7	U	
107-02-8	ACROLEIN	1	50	50	29	U	
75-35-4	1,1-DICHLOROETHENE	1	5	5	0.91	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	1	5	5	1.7	U	
67-64-1	ACETONE	1	20	20	18	U	
74-88-4	IODOMETHANE	1	5	5	1.1	U	
75-15-0	CARBON DISULFIDE	1	5	5	0.92	U	
75-09-2	METHYLENE CHLORIDE	1	6.7	5	1.2		
156-60-5	TRANS-1,2-DICHLOROETHENE	1	5	5	1	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	5	5	1.9	U	
107-13-1	ACRYLONITRILE	1	50	50	32	U	
75-34-3	1,1-DICHLOROETHANE	1	5	5	0.95	U	
108-05-4	VINYL ACETATE	1	20	20	3	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	5	5	1.1	U	
78-93-3	2-BUTANONE	1	20	20	19	U	
74-97-5	BROMOCHLOROMETHANE	1	5	5	0.95	U	
67-66-3	CHLOROFORM	1	5	5	0.8	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	5	5	0.96	U	
594-20-7	2,2-DICHLOROPROPANE	1	5	5	1.1	U	
56-23-5	CARBON TETRACHLORIDE	1	5	5	0.99	U	
563-58-6	1,1-DICHLOROPROPENE	1	5	5	1	U	
107-06-2	1,2-DICHLOROETHANE	1	5	5	1.5	U	
71-43-2	BENZENE	1	5	5	0.98	U	
79-01-6	TRICHLOROETHENE	1	5	5	0.94	U	
78-87-5	1,2-DICHLOROPROPANE	1	5	5	0.74	U	

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL011003-2MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/03/2001
Date Analyzed: 10/03/2001

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14138

74-95-3	DIBROMOMETHANE	1	5	5	1.3	U	
75-27-4	BROMODICHLOROMETHANE	1	5	5	0.65	U	
110-75-8	2-CHLOROETHYL VINYL ETHER	1	10	10	2.1	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	5	5	1.2	U	
108-10-1	4-METHYL-2-PENTANONE	1	20	20	16	U	
108-88-3	TOLUENE	1	5	5	0.94	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	5	5	1.1	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	5	5	1.3	U	
591-78-6	2-HEXANONE	1	20	20	17	U	
127-18-4	TETRACHLOROETHENE	1	5	5	1.2	U	
142-28-9	1,3-DICHLOROPROPANE	1	5	5	1.2	U	
124-48-1	DIBROMOCHLOROMETHANE	1	5	5	1.1	U	
106-93-4	1,2-DIBROMOETHANE	1	5	5	1.4	U	
544-10-5	1-CHLOROHEXANE	1	5	5	1.5	U	
108-90-7	CHLOROBENZENE	1	5	5	1	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	5	5	1.2	U	
100-41-4	ETHYLBENZENE	1	5	5	1	U	
136777-61-	M+P-XYLENE	1	5	5	2.2	U	
95-47-6	O-XYLENE	1	5	5	1.2	U	
100-42-5	STYRENE	1	5	5	1.2	U	
75-25-2	BROMOFORM	1	5	5	1.6	U	
98-82-8	ISOPROPYLBENZENE	1	5	5	1.3	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	5	5	3	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	5	5	2.9	U	
108-86-1	BROMOBENZENE	1	5	5	1.6	U	
103-65-1	N-PROPYLBENZENE	1	5	5	1.3	U	
95-49-8	2-CHLOROTOLUENE	1	5	5	1.5	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	5	5	1.5	U	
106-43-4	4-CHLOROTOLUENE	1	5	5	1.2	U	
98-06-6	TERT-BUTYLBENZENE	1	5	5	1.3	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	5	5	1.2	U	
135-98-8	SEC-BUTYLBENZENE	1	5	5	1.3	U	

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260
Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL011003-2MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/03/2001
Date Analyzed: 10/03/2001

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14138

541-73-1	1,3-DICHLOROBENZENE	1	5	5	1	U	
99-87-6	P-ISOPROPYLTOLUENE	1	5	5	1.3	U	
106-46-7	1,4-DICHLOROBENZENE	1	5	5	1.1	U	
104-51-8	N-BUTYLBENZENE	1	5	5	1.5	U	
95-50-1	1,2-DICHLOROBENZENE	1	5	5	1.2	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	10	10	4	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	5	5	1.2	U	
87-68-3	HEXACHLOROBUTADIENE	1	5	5	1.4	U	
91-20-3	NAPHTHALENE	1	5	5	2.4	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	5	5	1.9	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	51		50	102	66 - 145
1868-53-7	DIBROMOFLUOROMETHANE	49		50	98	70 - 139
2037-26-5	TOLUENE-D8	51.7		50	103	76 - 125

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0027
Lab ID: 0109139-1RR1

Sample Matrix: SOIL
% Moisture: 23
Date Collected: 27-Sep-01
Date Extracted: 03-Oct-01
Date Analyzed: 03-Oct-01

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 5.88 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14139

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	11	11	1.3	U	
74-87-3	CHLOROMETHANE	1	11	11	0.97	U	
75-01-4	VINYL CHLORIDE	1	11	11	1	U	
74-83-9	BROMOMETHANE	1	11	11	1.5	U	
75-00-3	CHLOROETHANE	1	11	11	1.4	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	5.5	5.5	1.9	U	
107-02-8	ACROLEIN	1	55	55	32	U	
75-35-4	1,1-DICHLOROETHENE	1	5.5	5.5	1	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	1	5.5	5.5	1.9	U	
67-64-1	ACETONE	1	22	22	20	U	
74-88-4	IODOMETHANE	1	5.5	5.5	1.2	U	
75-15-0	CARBON DISULFIDE	1	5.5	5.5	1	U	
75-09-2	METHYLENE CHLORIDE	1	40	5.5	1.3	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	5.5	5.5	1.2	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	5.5	5.5	2.1	U	
107-13-1	ACRYLONITRILE	1	55	55	35	U	
75-34-3	1,1-DICHLOROETHANE	1	5.5	5.5	1	U	
108-05-4	VINYL ACETATE	1	22	22	3.3	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	5.5	5.5	1.2	U	
78-93-3	2-BUTANONE	1	22	22	21	U	
74-97-5	BROMOCHLOROMETHANE	1	5.5	5.5	1	U	
67-66-3	CHLOROFORM	1	5.5	5.5	0.88	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	5.5	5.5	1.1	U	
594-20-7	2,2-DICHLOROPROPANE	1	5.5	5.5	1.2	U	
56-23-5	CARBON TETRACHLORIDE	1	5.5	5.5	1.1	U	
563-58-6	1,1-DICHLOROPROPENE	1	5.5	5.5	1.2	U	
107-06-2	1,2-DICHLOROETHANE	1	5.5	5.5	1.7	U	
71-43-2	BENZENE	1	5.5	5.5	1.1	U	
79-01-6	TRICHLOROETHENE	1	5.5	5.5	1	U	

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0027	**Sample Matrix:** SOIL	**Prep Batch:** VL011003-2	**Sample Aliquot:** 5.88 G
Lab ID: 0109139-1RR1	**% Moisture:** 23	**QCBatchID:** VL011003-2-1	**Final Volume:** 5 ML
	Date Collected: 27-Sep-01	**Run ID:** VL011003-2A	**Result Units:** UG/KG
	Date Extracted: 03-Oct-01	**Cleanup:** NONE	**CleanupDF:** 1
	Date Analyzed: 03-Oct-01	**Basis:** Dry Weight	**File Name:** B14139

78-87-5	1,2-DICHLOROPROPANE	1	5.5	5.5	0.82	U	
74-95-3	DIBROMOMETHANE	1	5.5	5.5	1.4	U	
75-27-4	BROMODICHLOROMETHANE	1	5.5	5.5	0.72	U	
110-75-8	2-CHLOROETHYL VINYL ETHER	1	11	11	2.3	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	5.5	5.5	1.4	U	
108-10-1	4-METHYL-2-PENTANONE	1	22	22	18	U	
108-88-3	TOLUENE	1	5.5	5.5	1	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	5.5	5.5	1.2	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	5.5	5.5	1.5	U	
591-78-6	2-HEXANONE	1	22	22	19	U	
127-18-4	TETRACHLOROETHENE	1	5.5	5.5	1.3	U	
142-28-9	1,3-DICHLOROPROPANE	1	5.5	5.5	1.4	U	
124-48-1	DIBROMOCHLOROMETHANE	1	5.5	5.5	1.2	U	
106-93-4	1,2-DIBROMOETHANE	1	5.5	5.5	1.6	U	
544-10-5	1-CHLOROHEXANE	1	5.5	5.5	1.7	U	
108-90-7	CHLOROBENZENE	1	5.5	5.5	1.1	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	5.5	5.5	1.3	U	
100-41-4	ETHYLBENZENE	1	5.5	5.5	1.1	U	
136777-61-	M+P-XYLENE	1	5.5	5.5	2.4	U	
95-47-6	O-XYLENE	1	5.5	5.5	1.3	U	
100-42-5	STYRENE	1	5.5	5.5	1.3	U	
75-25-2	BROMOFORM	1	5.5	5.5	1.8	U	
98-82-8	ISOPROPYLBENZENE	1	5.5	5.5	1.4	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	5.5	5.5	3.4	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	5.5	5.5	3.2	U	
108-86-1	BROMOBENZENE	1	5.5	5.5	1.7	U	
103-65-1	N-PROPYLBENZENE	1	5.5	5.5	1.4	U	
95-49-8	2-CHLOROTOLUENE	1	5.5	5.5	1.7	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	5.5	5.5	1.7	U	
106-43-4	4-CHLOROTOLUENE	1	5.5	5.5	1.3	U	
98-06-6	TERT-BUTYLBENZENE	1	5.5	5.5	1.4	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	5.5	5.5	1.4	U	

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0027
Lab ID: 0109139-1RR1

Sample Matrix: SOIL
% Moisture: 23
Date Collected: 27-Sep-01
Date Extracted: 03-Oct-01
Date Analyzed: 03-Oct-01

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 5.88 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14139

135-98-8	SEC-BUTYLBENZENE	1	5.5	5.5	1.5	U	
541-73-1	1,3-DICHLOROBENZENE	1	5.5	5.5	1.1	U	
99-87-6	P-ISOPROPYLTOLUENE	1	5.5	5.5	1.5	U	
106-46-7	1,4-DICHLOROBENZENE	1	5.5	5.5	1.3	U	
104-51-8	N-BUTYLBENZENE	1	5.5	5.5	1.7	U	
95-50-1	1,2-DICHLOROBENZENE	1	5.5	5.5	1.3	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	11	11	4.5	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	5.5	5.5	1.3	U	
87-68-3	HEXACHLOROBUTADIENE	1	5.5	5.5	1.5	U	
91-20-3	NAPHTHALENE	1	5.5	5.5	2.7	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	5.5	5.5	2.1	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	64.8		64.9	100	66 - 145
1868-53-7	DIBROMOFLUOROMETHANE	65.2		64.9	100	70 - 139
2037-26-5	TOLUENE-D8	65.8		64.9	101	76 - 125

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0031
Lab ID: 0109139-2RR1

Sample Matrix: SOIL
% Moisture: 20
Date Collected: 27-Sep-01
Date Extracted: 03-Oct-01
Date Analyzed: 03-Oct-01

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 5.78 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14140

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	11	11	1.2	U	
74-87-3	CHLOROMETHANE	1	11	11	0.95	U	
75-01-4	VINYL CHLORIDE	1	11	11	1	U	
74-83-9	BROMOMETHANE	1	11	11	1.4	U	
75-00-3	CHLOROETHANE	1	11	11	1.4	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	5.4	5.4	1.8	U	
107-02-8	ACROLEIN	1	54	54	31	U	
75-35-4	1,1-DICHLOROETHENE	1	5.4	5.4	0.98	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	1	5.4	5.4	1.8	U	
67-64-1	ACETONE	1	110	22	20		
74-88-4	IODOMETHANE	1	5.4	5.4	1.2	U	
75-15-0	CARBON DISULFIDE	1	5.4	5.4	0.99	U	
75-09-2	METHYLENE CHLORIDE	1	23	5.4	1.3	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	5.4	5.4	1.1	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	5.4	5.4	2.1	U	
107-13-1	ACRYLONITRILE	1	54	54	34	U	
75-34-3	1,1-DICHLOROETHANE	1	5.4	5.4	1	U	
108-05-4	VINYL ACETATE	1	22	22	3.2	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	5.4	5.4	1.1	U	
78-93-3	2-BUTANONE	1	22	22	20	U	
74-97-5	BROMOCHLOROMETHANE	1	5.4	5.4	1	U	
67-66-3	CHLOROFORM	1	5.4	5.4	0.87	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	5.4	5.4	1	U	
594-20-7	2,2-DICHLOROPROPANE	1	5.4	5.4	1.2	U	
56-23-5	CARBON TETRACHLORIDE	1	5.4	5.4	1.1	U	
563-58-6	1,1-DICHLOROPROPENE	1	5.4	5.4	1.1	U	
107-06-2	1,2-DICHLOROETHANE	1	5.4	5.4	1.7	U	
71-43-2	BENZENE	1	5.4	5.4	1.1	U	
79-01-6	TRICHLOROETHENE	1	5.4	5.4	1	U	

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0031
Lab ID: 0109139-2RR1

Sample Matrix: SOIL
% Moisture: 20
Date Collected: 27-Sep-01
Date Extracted: 03-Oct-01
Date Analyzed: 03-Oct-01

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 5.78 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14140

78-87-5	1,2-DICHLOROPROPANE	1	5.4	5.4	0.8	U	
74-95-3	DIBROMOMETHANE	1	5.4	5.4	1.4	U	
75-27-4	BROMODICHLOROMETHANE	1	5.4	5.4	0.7	U	
110-75-8	2-CHLOROETHYL VINYL ETHER	1	11	11	2.3	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	5.4	5.4	1.3	U	
108-10-1	4-METHYL-2-PENTANONE	1	22	22	18	U	
108-88-3	TOLUENE	1	5.4	5.4	1	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	5.4	5.4	1.2	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	5.4	5.4	1.4	U	
591-78-6	2-HEXANONE	1	22	22	18	U	
127-18-4	TETRACHLOROETHENE	1	5.4	5.4	1.3	U	
142-28-9	1,3-DICHLOROPROPANE	1	5.4	5.4	1.3	U	
124-48-1	DIBROMOCHLOROMETHANE	1	5.4	5.4	1.2	U	
106-93-4	1,2-DIBROMOETHANE	1	5.4	5.4	1.5	U	
544-10-5	1-CHLOROHEXANE	1	5.4	5.4	1.6	U	
108-90-7	CHLOROBENZENE	1	5.4	5.4	1.1	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	5.4	5.4	1.3	U	
100-41-4	ETHYLBENZENE	1	5.4	5.4	1.1	U	
136777-61-	M+P-XYLENE	1	5.4	5.4	2.4	U	
95-47-6	O-XYLENE	1	5.4	5.4	1.3	U	
100-42-5	STYRENE	1	5.4	5.4	1.3	U	
75-25-2	BROMOFORM	1	5.4	5.4	1.8	U	
98-82-8	ISOPROPYLBENZENE	1	5.4	5.4	1.4	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	5.4	5.4	3.3	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	5.4	5.4	3.1	U	
108-86-1	BROMOBENZENE	1	5.4	5.4	1.7	U	
103-65-1	N-PROPYLBENZENE	1	5.4	5.4	1.4	U	
95-49-8	2-CHLOROTOLUENE	1	5.4	5.4	1.6	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	5.4	5.4	1.6	U	
106-43-4	4-CHLOROTOLUENE	1	5.4	5.4	1.3	U	
98-06-6	TERT-BUTYLBENZENE	1	5.4	5.4	1.4	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	5.4	5.4	1.3	U	

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0031
Lab ID: 0109139-2RR1

Sample Matrix: SOIL
% Moisture: 20
Date Collected: 27-Sep-01
Date Extracted: 03-Oct-01
Date Analyzed: 03-Oct-01

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 5.78 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14140

135-98-8	SEC-BUTYLBENZENE	1	5.4	5.4	1.4	U	
541-73-1	1,3-DICHLOROBENZENE	1	5.4	5.4	1.1	U	
99-87-6	P-ISOPROPYLTOLUENE	1	5.4	5.4	1.4	U	
106-46-7	1,4-DICHLOROBENZENE	1	5.4	5.4	1.2	U	
104-51-8	N-BUTYLBENZENE	1	5.4	5.4	1.7	U	
95-50-1	1,2-DICHLOROBENZENE	1	5.4	5.4	1.3	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	11	11	4.4	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	5.4	5.4	1.3	U	
87-68-3	HEXACHLOROBUTADIENE	1	5.4	5.4	1.5	U	
91-20-3	NAPHTHALENE	1	5.4	5.4	2.6	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	5.4	5.4	2.1	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	51.6		62.5	83	66 - 145
1868-53-7	DIBROMOFLUOROMETHANE	54.9		62.5	88	70 - 139
2037-26-5	TOLUENE-D8	53.1		62.5	85	76 - 125

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0032
Lab ID: 0109139-3RR1

Sample Matrix: SOIL
% Moisture: 24.4
Date Collected: 27-Sep-01
Date Extracted: 03-Oct-01
Date Analyzed: 03-Oct-01

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 5.52 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14141

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	12	12	1.4	U	
74-87-3	CHLOROMETHANE	1	12	12	1.1	U	
75-01-4	VINYL CHLORIDE	1	12	12	1.1	U	
74-83-9	BROMOMETHANE	1	12	12	1.6	U	
75-00-3	CHLOROETHANE	1	12	12	1.5	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	6	6	2	U	
107-02-8	ACROLEIN	1	60	60	34	U	
75-35-4	1,1-DICHLOROETHENE	1	6	6	1.1	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	1	6	6	2	U	
67-64-1	ACETONE	1	24	24	22	U	
74-88-4	IODOMETHANE	1	6	6	1.3	U	
75-15-0	CARBON DISULFIDE	1	6	6	1.1	U	
75-09-2	METHYLENE CHLORIDE	1	16	6	1.4	B	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	6	6	1.3	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	6	6	2.3	U	
107-13-1	ACRYLONITRILE	1	60	60	38	U	
75-34-3	1,1-DICHLOROETHANE	1	6	6	1.1	U	
108-05-4	VINYL ACETATE	1	24	24	3.5	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	6	6	1.3	U	
78-93-3	2-BUTANONE	1	24	24	22	U	
74-97-5	BROMOCHLOROMETHANE	1	6	6	1.1	U	
67-66-3	CHLOROFORM	1	6	6	0.96	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	6	6	1.2	U	
594-20-7	2,2-DICHLOROPROPANE	1	6	6	1.4	U	
56-23-5	CARBON TETRACHLORIDE	1	6	6	1.2	U	
563-58-6	1,1-DICHLOROPROPENE	1	6	6	1.3	U	
107-06-2	1,2-DICHLOROETHANE	1	6	6	1.8	U	
71-43-2	BENZENE	1	6	6	1.2	U	
79-01-6	TRICHLOROETHENE	1	6	6	1.1	U	

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0032
Lab ID: 0109139-3RR1

Sample Matrix: SOIL
% Moisture: 24.4
Date Collected: 27-Sep-01
Date Extracted: 03-Oct-01
Date Analyzed: 03-Oct-01

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 5.52 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14141

78-87-5	1,2-DICHLOROPROPANE	1	6	6	0.89	U	
74-95-3	DIBROMOMETHANE	1	6	6	1.5	U	
75-27-4	BROMODICHLOROMETHANE	1	6	6	0.78	U	
110-75-8	2-CHLOROETHYL VINYL ETHER	1	12	12	2.5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	6	6	1.5	U	
108-10-1	4-METHYL-2-PENTANONE	1	24	24	20	U	
108-88-3	TOLUENE	1	6	6	1.1	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	6	6	1.3	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	6	6	1.6	U	
591-78-6	2-HEXANONE	1	24	24	20	U	
127-18-4	TETRACHLOROETHENE	1	6	6	1.4	U	
142-28-9	1,3-DICHLOROPROPANE	1	6	6	1.5	U	
124-48-1	DIBROMOCHLOROMETHANE	1	6	6	1.3	U	
106-93-4	1,2-DIBROMOETHANE	1	6	6	1.7	U	
544-10-5	1-CHLOROHEXANE	1	6	6	1.8	U	
108-90-7	CHLOROBENZENE	1	6	6	1.2	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	6	6	1.4	U	
100-41-4	ETHYLBENZENE	1	6	6	1.2	U	
136777-61-	M+P-XYLENE	1	6	6	2.6	U	
95-47-6	O-XYLENE	1	6	6	1.4	U	
100-42-5	STYRENE	1	6	6	1.4	U	
75-25-2	BROMOFORM	1	6	6	1.9	U	
98-82-8	ISOPROPYLBENZENE	1	6	6	1.5	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	6	6	3.6	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	6	6	3.5	U	
108-86-1	BROMOBENZENE	1	6	6	1.9	U	
103-65-1	N-PROPYLBENZENE	1	6	6	1.5	U	
95-49-8	2-CHLOROTOLUENE	1	6	6	1.8	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	6	6	1.8	U	
106-43-4	4-CHLOROTOLUENE	1	6	6	1.4	U	
98-06-6	TERT-BUTYLBENZENE	1	6	6	1.5	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	6	6	1.5	U	

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0032
Lab ID: 0109139-3RR1

Sample Matrix: SOIL
% Moisture: 24.4
Date Collected: 27-Sep-01
Date Extracted: 03-Oct-01
Date Analyzed: 03-Oct-01

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 5.52 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1
File Name: B14141

135-98-8	SEC-BUTYLBENZENE	1	6	6	1.6	U	
541-73-1	1,3-DICHLOROBENZENE	1	6	6	1.2	U	
99-87-6	P-ISOPROPYLTOLUENE	1	6	6	1.6	U	
106-46-7	1,4-DICHLOROBENZENE	1	6	6	1.4	U	
104-51-8	N-BUTYLBENZENE	1	6	6	1.8	U	
95-50-1	1,2-DICHLOROBENZENE	1	6	6	1.4	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	12	12	4.8	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	6	6	1.4	U	
87-68-3	HEXACHLOROBUTADIENE	1	6	6	1.6	U	
91-20-3	NAPHTHALENE	1	6	6	2.9	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	6	6	2.3	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	64.4		66.1	97	66 - 145
1868-53-7	DIBROMOFLUOROMETHANE	62.5		66.1	95	70 - 139
2037-26-5	TOLUENE-D8	60.3		66.1	91	76 - 125

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL010928-4LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 09/28/2001
Date Analyzed: 09/28/2001

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
75-71-8	DICHLORODIFLUOROMETHANE	20	17.9	10		89	65 - 135%
74-87-3	CHLOROMETHANE	20	24.6	10		123	65 - 135%
75-01-4	VINYL CHLORIDE	20	23.1	10		115	36 - 144%
74-83-9	BROMOMETHANE	20	22.5	10		113	62 - 135%
75-00-3	CHLOROETHANE	20	21.8	10		109	55 - 135%
75-69-4	TRICHLOROFLUOROMETHANE	20	28	5	*	140	57 - 135%
75-35-4	1,1-DICHLOROETHENE	20	23.3	5		117	59 - 136%
67-64-1	ACETONE	80	101	20		126	50 - 150%
75-09-2	METHYLENE CHLORIDE	20	31.2	5	*	156	65 - 135%
156-60-5	TRANS-1,2-DICHLOROETHENE	20	26.4	5		132	65 - 135%
1634-04-4	METHYL TERTIARY BUTYL ETHER	20	20.5	5		103	50 - 150%
75-34-3	1,1-DICHLOROETHANE	20	24.7	5		124	62 - 135%
156-59-2	CIS-1,2-DICHLOROETHENE	20	24	5		120	65 - 135%
78-93-3	2-BUTANONE	80	107	20		134	50 - 150%
74-97-5	BROMOCHLOROMETHANE	20	26.5	5		133	63 - 135%
67-66-3	CHLOROFORM	20	23.9	5		120	64 - 135%
71-55-6	1,1,1-TRICHLOROETHANE	20	22.6	5		113	65 - 135%
594-20-7	2,2-DICHLOROPROPANE	20	22.2	5		111	65 - 135%
56-23-5	CARBON TETRACHLORIDE	20	21.3	5		106	52 - 135%
563-58-6	1,1-DICHLOROPROPENE	20	22.8	5		114	65 - 135%
107-06-2	1,2-DICHLOROETHANE	20	20.2	5		101	58 - 137%
71-43-2	BENZENE	20	22.1	5		111	76 - 123%
79-01-6	TRICHLOROETHENE	20	23.7	5		118	74 - 127%
78-87-5	1,2-DICHLOROPROPANE	20	20.6	5		103	60 - 135%
74-95-3	DIBROMOMETHANE	20	21	5		105	59 - 137%
75-27-4	BROMODICHLOROMETHANE	20	19.2	5		96	65 - 135%
110-75-8	2-CHLOROETHYL VINYL ETHER	20	21.9	10		109	30 - 170%
10061-01-5	CIS-1,3-DICHLOROPROPENE	20	20.9	5		105	64 - 135%

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL010928-4LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 09/28/2001
Date Analyzed: 09/28/2001

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1

108-10-1	4-METHYL-2-PENTANONE	80	104	20		129	50 - 150%
108-88-3	TOLUENE	20	24	5		120	75 - 124%
10061-02-6	TRANS-1,3-DICHLOROPROPENE	20	18.7	5		93	56 - 135%
79-00-5	1,1,2-TRICHLOROETHANE	20	23.2	5		116	65 - 135%
591-78-6	2-HEXANONE	80	99.3	20		124	50 - 150%
127-18-4	TETRACHLOROETHENE	20	20.5	5		103	61 - 135%
142-28-9	1,3-DICHLOROPROPANE	20	20.7	5		103	65 - 135%
124-48-1	DIBROMOCHLOROMETHANE	20	18.7	5		94	63 - 135%
106-93-4	1,2-DIBROMOETHANE	20	21.7	5		109	59 - 137%
544-10-5	1-CHLOROHEXANE	20	21.8	5		109	65 - 135%
108-90-7	CHLOROBENZENE	20	21.4	5		107	75 - 124%
630-20-6	1,1,1,2-TETRACHLOROETHANE	20	19.1	5		95	62 - 108%
100-41-4	ETHYLBENZENE	20	21.7	5		109	65 - 135%
136777-61-	M+P-XYLENE	40	43	5		107	65 - 135%
95-47-6	O-XYLENE	20	23.3	5		117	65 - 135%
100-42-5	STYRENE	20	21.8	5		109	65 - 135%
75-25-2	BROMOFORM	20	20.3	5		102	65 - 135%
98-82-8	ISOPROPYLBENZENE	20	20.7	5		104	65 - 135%
96-18-4	1,2,3-TRICHLOROPROPANE	20	23.1	5		115	65 - 135%
79-34-5	1,1,2,2-TETRACHLOROETHANE	20	22.1	5		110	64 - 135%
108-86-1	BROMOBENZENE	20	21	5		105	65 - 135%
103-65-1	N-PROPYLBENZENE	20	22.4	5		112	65 - 135%
95-49-8	2-CHLOROTOLUENE	20	22	5		110	63 - 135%
108-67-8	1,3,5-TRIMETHYLBENZENE	20	22.7	5		114	62 - 135%
106-43-4	4-CHLOROTOLUENE	20	20.6	5		103	64 - 135%
98-06-6	TERT-BUTYLBENZENE	20	20.4	5		102	65 - 135%
95-63-6	1,2,4-TRIMETHYLBENZENE	20	21.8	5		109	65 - 135%
135-98-8	SEC-BUTYLBENZENE	20	23	5		115	65 - 135%
541-73-1	1,3-DICHLOROBENZENE	20	20.3	5		102	65 - 135%
99-87-6	P-ISOPROPYLTOLUENE	20	19.4	5		97	65 - 135%
106-46-7	1,4-DICHLOROBENZENE	20	20	5		100	65 - 135%

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL010928-4LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 09/28/2001
Date Analyzed: 09/28/2001

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1

104-51-8	N-BUTYLBENZENE	20	23.1	5		115	65 - 135%
95-50-1	1,2-DICHLOROBENZENE	20	21.5	5		107	65 - 135%
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	20	18.7	10		93	49 - 135%
120-82-1	1,2,4-TRICHLOROBENZENE	20	21.1	5		106	65 - 145%
87-68-3	HEXACHLOROBUTADIENE	20	20.6	5		103	65 - 135%
91-20-3	NAPHTHALENE	20	6.22	5	*J	31	65 - 135%
87-61-6	1,2,3-TRICHLOROBENZENE	20	20.3	5		102	65 - 147%

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL010928-4LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 09/28/2001
Date Analyzed: 09/28/2001

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1

Lab ID: VL010928-4LCSD

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
75-71-8	DICHLORODIFLUOROMETHANE	20	17.9	10	90		0	30
74-87-3	CHLOROMETHANE	20	25.6	10	128		4	30
75-01-4	VINYL CHLORIDE	20	23.9	10	119		3	30
74-83-9	BROMOMETHANE	20	23.1	10	115		2	30
75-00-3	CHLOROETHANE	20	23.5	10	117		7	30
75-69-4	TRICHLOROFLUOROMETHANE	20	27.7	5	139	*	1	30
75-35-4	1,1-DICHLOROETHENE	20	24.7	5	124		6	25
67-64-1	ACETONE	80	105	20	132		5	30
75-09-2	METHYLENE CHLORIDE	20	31.7	5	159	*	2	30
156-60-5	TRANS-1,2-DICHLOROETHENE	20	26	5	130		2	30
1634-04-4	METHYL TERTIARY BUTYL ETHER	20	22	5	110		7	30
75-34-3	1,1-DICHLOROETHANE	20	24.2	5	121		2	30
156-59-2	CIS-1,2-DICHLOROETHENE	20	24.3	5	121		1	30
78-93-3	2-BUTANONE	80	105	20	132		2	30
74-97-5	BROMOCHLOROMETHANE	20	26.3	5	132		1	30
67-66-3	CHLOROFORM	20	23.9	5	119		0	30
71-55-6	1,1,1-TRICHLOROETHANE	20	22.6	5	113		0	30
594-20-7	2,2-DICHLOROPROPANE	20	22.3	5	112		1	30
56-23-5	CARBON TETRACHLORIDE	20	20.2	5	101		5	30
563-58-6	1,1-DICHLOROPROPENE	20	21.1	5	105		8	30
107-06-2	1,2-DICHLOROETHANE	20	19.2	5	96		5	30
71-43-2	BENZENE	20	21.8	5	109		1	23
79-01-6	TRICHLOROETHENE	20	22.4	5	112		6	25

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL010928-4LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 09/28/2001
Date Analyzed: 09/28/2001

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1

78-87-5	1,2-DICHLOROPROPANE	20	19.2	5	96		7	30
74-95-3	DIBROMOMETHANE	20	21	5	105		0	30
75-27-4	BROMODICHLOROMETHANE	20	20.2	5	101		5	30
110-75-8	2-CHLOROETHYL VINYL ETHER	20	21.7	10	108		1	30
10061-01-5	CIS-1,3-DICHLOROPROPENE	20	19.8	5	99		6	30
108-10-1	4-METHYL-2-PENTANONE	80	94.4	20	118		9	30
108-88-3	TOLUENE	20	22.8	5	114		5	24
10061-02-6	TRANS-1,3-DICHLOROPROPENE	20	18.3	5	91		2	30
79-00-5	1,1,2-TRICHLOROETHANE	20	22.3	5	111		4	30
591-78-6	2-HEXANONE	80	93.6	20	117		6	30
127-18-4	TETRACHLOROETHENE	20	21.3	5	107		4	30
142-28-9	1,3-DICHLOROPROPANE	20	21.4	5	107		3	30
124-48-1	DIBROMOCHLOROMETHANE	20	18.1	5	91		3	30
106-93-4	1,2-DIBROMOETHANE	20	21.4	5	107		1	30
544-10-5	1-CHLOROHEXANE	20	21.5	5	108		1	30
108-90-7	CHLOROBENZENE	20	22.2	5	111		4	24
630-20-6	1,1,1,2-TETRACHLOROETHANE	20	19.6	5	98		3	30
100-41-4	ETHYLBENZENE	20	21.6	5	108		1	30
136777-61-	M+P-XYLENE	40	41.5	5	104		4	30
95-47-6	O-XYLENE	20	23.9	5	120		3	30
100-42-5	STYRENE	20	22.8	5	114		4	30
75-25-2	BROMOFORM	20	19.9	5	99		2	30
98-82-8	ISOPROPYLBENZENE	20	22.7	5	114		9	30
96-18-4	1,2,3-TRICHLOROPROPANE	20	21.3	5	106		8	30
79-34-5	1,1,2,2-TETRACHLOROETHANE	20	21.4	5	107		3	30
108-86-1	BROMOBENZENE	20	21.3	5	106		1	30
103-65-1	N-PROPYLBENZENE	20	23.2	5	116		3	30
95-49-8	2-CHLOROTOLUENE	20	20.7	5	104		6	30

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL010928-4LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 09/28/2001
Date Analyzed: 09/28/2001

Prep Batch: VL010928-2
QCBatchID: VL010928-2-2
Run ID: VL010928-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1

108-67-8	1,3,5-TRIMETHYLBENZENE	20	21.1	5	106		7	30
106-43-4	4-CHLOROTOLUENE	20	20.8	5	104		1	30
98-06-6	TERT-BUTYLBENZENE	20	20.4	5	102		0	30
95-63-6	1,2,4-TRIMETHYLBENZENE	20	21.8	5	109		0	30
135-98-8	SEC-BUTYLBENZENE	20	22	5	110		4	30
541-73-1	1,3-DICHLOROBENZENE	20	20.3	5	101		0	30
99-87-6	P-ISOPROPYLTOLUENE	20	21.6	5	108		10	30
106-46-7	1,4-DICHLOROBENZENE	20	20.5	5	103		2	30
104-51-8	N-BUTYLBENZENE	20	25.8	5	129		11	30
95-50-1	1,2-DICHLOROBENZENE	20	22.1	5	111		3	30
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	20	17.4	10	87		7	30
120-82-1	1,2,4-TRICHLOROBENZENE	20	23	5	115		9	30
87-68-3	HEXACHLOROBUTADIENE	20	20.6	5	103		0	30
91-20-3	NAPHTHALENE	20	15.3	5	76	+J	84	30
87-61-6	1,2,3-TRICHLOROBENZENE	20	22.7	5	114		11	30

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50	88		89		66 - 145
1868-53-7	DIBROMOFLUOROMETHANE	50	104		102		70 - 139
2037-26-5	TOLUENE-D8	50	97		99		76 - 125

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL011003-2LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/03/2001
Date Analyzed: 10/03/2001

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
75-71-8	DICHLORODIFLUOROMETHANE	20	17.1	10		85	65 - 135%
74-87-3	CHLOROMETHANE	20	19.4	10		97	65 - 135%
75-01-4	VINYL CHLORIDE	20	20.6	10		103	36 - 144%
74-83-9	BROMOMETHANE	20	20.5	10		103	62 - 135%
75-00-3	CHLOROETHANE	20	21.7	10		109	55 - 135%
75-69-4	TRICHLOROFLUOROMETHANE	20	23.8	5		119	57 - 135%
75-35-4	1,1-DICHLOROETHENE	20	21.8	5		109	59 - 136%
67-64-1	ACETONE	80	93.5	20		117	50 - 150%
75-09-2	METHYLENE CHLORIDE	20	33.1	5	*	165	65 - 135%
156-60-5	TRANS-1,2-DICHLOROETHENE	20	22.7	5		113	65 - 135%
1634-04-4	METHYL TERTIARY BUTYL ETHER	20	22	5		110	50 - 150%
75-34-3	1,1-DICHLOROETHANE	20	21.3	5		107	62 - 135%
156-59-2	CIS-1,2-DICHLOROETHENE	20	21.3	5		107	65 - 135%
78-93-3	2-BUTANONE	80	93.1	20		116	50 - 150%
74-97-5	BROMOCHLOROMETHANE	20	22.3	5		112	63 - 135%
67-66-3	CHLOROFORM	20	21.3	5		107	64 - 135%
71-55-6	1,1,1-TRICHLOROETHANE	20	20.6	5		103	65 - 135%
594-20-7	2,2-DICHLOROPROPANE	20	18.6	5		93	65 - 135%
56-23-5	CARBON TETRACHLORIDE	20	18.8	5		94	52 - 135%
563-58-6	1,1-DICHLOROPROPENE	20	18.6	5		93	65 - 135%
107-06-2	1,2-DICHLOROETHANE	20	19	5		95	58 - 137%
71-43-2	BENZENE	20	19.1	5		96	76 - 123%
79-01-6	TRICHLOROETHENE	20	18.5	5		93	74 - 127%
78-87-5	1,2-DICHLOROPROPANE	20	19.8	5		99	60 - 135%
74-95-3	DIBROMOMETHANE	20	19.4	5		97	59 - 137%
75-27-4	BROMODICHLOROMETHANE	20	19	5		95	65 - 135%
110-75-8	2-CHLOROETHYL VINYL ETHER	20	23.6	10		118	30 - 170%
10061-01-5	CIS-1,3-DICHLOROPROPENE	20	21	5		105	64 - 135%

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL011003-2LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/03/2001
Date Analyzed: 10/03/2001

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1

108-10-1	4-METHYL-2-PENTANONE	80	85.5	20		107	50 - 150%
108-88-3	TOLUENE	20	20.3	5		101	75 - 124%
10061-02-6	TRANS-1,3-DICHLOROPROPENE	20	19.1	5		95	56 - 135%
79-00-5	1,1,2-TRICHLOROETHANE	20	20.2	5		101	65 - 135%
591-78-6	2-HEXANONE	80	87.8	20		110	50 - 150%
127-18-4	TETRACHLOROETHENE	20	22.3	5		111	61 - 135%
142-28-9	1,3-DICHLOROPROPANE	20	22.3	5		111	65 - 135%
124-48-1	DIBROMOCHLOROMETHANE	20	22.1	5		111	63 - 135%
106-93-4	1,2-DIBROMOETHANE	20	24.1	5		120	59 - 137%
544-10-5	1-CHLOROHEXANE	20	19.5	5		97	65 - 135%
108-90-7	CHLOROBENZENE	20	21.6	5		108	75 - 124%
630-20-6	1,1,1,2-TETRACHLOROETHANE	20	22.4	5	*	112	62 - 108%
100-41-4	ETHYLBENZENE	20	21.6	5		108	65 - 135%
136777-61-	M+P-XYLENE	40	42.1	5		105	65 - 135%
95-47-6	O-XYLENE	20	23	5		115	65 - 135%
100-42-5	STYRENE	20	23.4	5		117	65 - 135%
75-25-2	BROMOFORM	20	22.6	5		113	65 - 135%
98-82-8	ISOPROPYLBENZENE	20	21.2	5		106	65 - 135%
96-18-4	1,2,3-TRICHLOROPROPANE	20	23.1	5		116	65 - 135%
79-34-5	1,1,2,2-TETRACHLOROETHANE	20	20.9	5		105	64 - 135%
108-86-1	BROMOBENZENE	20	21.9	5		110	65 - 135%
103-65-1	N-PROPYLBENZENE	20	20.3	5		102	65 - 135%
95-49-8	2-CHLOROTOLUENE	20	21	5		105	63 - 135%
108-67-8	1,3,5-TRIMETHYLBENZENE	20	22.7	5		114	62 - 135%
106-43-4	4-CHLOROTOLUENE	20	20.4	5		102	64 - 135%
98-06-6	TERT-BUTYLBENZENE	20	20.8	5		104	65 - 135%
95-63-6	1,2,4-TRIMETHYLBENZENE	20	22.9	5		114	65 - 135%
135-98-8	SEC-BUTYLBENZENE	20	21.6	5		108	65 - 135%
541-73-1	1,3-DICHLOROBENZENE	20	21.3	5		107	65 - 135%
99-87-6	P-ISOPROPYLTOLUENE	20	20.1	5		100	65 - 135%
106-46-7	1,4-DICHLOROBENZENE	20	21.2	5		106	65 - 135%

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL011003-2LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/03/2001
Date Analyzed: 10/03/2001

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1

104-51-8	N-BUTYLBENZENE	20	20.2	5		101	65 - 135%
95-50-1	1,2-DICHLOROBENZENE	20	21.3	5		106	65 - 135%
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	20	25.6	10		128	49 - 135%
120-82-1	1,2,4-TRICHLOROBENZENE	20	22.4	5		112	65 - 145%
87-68-3	HEXACHLOROBUTADIENE	20	19.7	5		99	65 - 135%
91-20-3	NAPHTHALENE	20	24.1	5		120	65 - 135%
87-61-6	1,2,3-TRICHLOROBENZENE	20	23.3	5		117	65 - 147%

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL011003-2LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/03/2001
Date Analyzed: 10/03/2001

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1

Lab ID: VL011003-2LCSD

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
75-71-8	DICHLORODIFLUOROMETHANE	20	14.5	10	72		17	30
74-87-3	CHLOROMETHANE	20	17	10	85		13	30
75-01-4	VINYL CHLORIDE	20	18	10	90		13	30
74-83-9	BROMOMETHANE	20	18.6	10	93		10	30
75-00-3	CHLOROETHANE	20	18.1	10	90		18	30
75-69-4	TRICHLOROFLUOROMETHANE	20	20.7	5	103		14	30
75-35-4	1,1-DICHLOROETHENE	20	19.4	5	97		12	25
67-64-1	ACETONE	80	74	20	92		23	30
75-09-2	METHYLENE CHLORIDE	20	30.9	5	155	*	7	30
156-60-5	TRANS-1,2-DICHLOROETHENE	20	19.8	5	99		13	30
1634-04-4	METHYL TERTIARY BUTYL ETHER	20	19.1	5	96		14	30
75-34-3	1,1-DICHLOROETHANE	20	18.4	5	92		15	30
156-59-2	CIS-1,2-DICHLOROETHENE	20	20.4	5	102		4	30
78-93-3	2-BUTANONE	80	72.5	20	91		25	30
74-97-5	BROMOCHLOROMETHANE	20	19.3	5	97		14	30
67-66-3	CHLOROFORM	20	18.6	5	93		14	30
71-55-6	1,1,1-TRICHLOROETHANE	20	18.6	5	93		10	30
594-20-7	2,2-DICHLOROPROPANE	20	17.9	5	89		4	30
56-23-5	CARBON TETRACHLORIDE	20	18.4	5	92		2	30
563-58-6	1,1-DICHLOROPROPENE	20	18.8	5	94		1	30
107-06-2	1,2-DICHLOROETHANE	20	18.4	5	92		3	30
71-43-2	BENZENE	20	19.9	5	99		4	23
79-01-6	TRICHLOROETHENE	20	18.1	5	91		2	25

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL011003-2LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/03/2001
Date Analyzed: 10/03/2001

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1

78-87-5	1,2-DICHLOROPROPANE	20	19	5	95		5	30
74-95-3	DIBROMOMETHANE	20	17.5	5	87		11	30
75-27-4	BROMODICHLOROMETHANE	20	19.1	5	96		1	30
110-75-8	2-CHLOROETHYL VINYL ETHER	20	22.1	10	111		6	30
10061-01-5	CIS-1,3-DICHLOROPROPENE	20	18.9	5	95		10	30
108-10-1	4-METHYL-2-PENTANONE	80	73	20	91		16	30
108-88-3	TOLUENE	20	18	5	90		12	24
10061-02-6	TRANS-1,3-DICHLOROPROPENE	20	18.4	5	92		4	30
79-00-5	1,1,2-TRICHLOROETHANE	20	18.7	5	94		8	30
591-78-6	2-HEXANONE	80	76	20	95		14	30
127-18-4	TETRACHLOROETHENE	20	21.1	5	105		5	30
142-28-9	1,3-DICHLOROPROPANE	20	21	5	105		6	30
124-48-1	DIBROMOCHLOROMETHANE	20	20.5	5	102		8	30
106-93-4	1,2-DIBROMOETHANE	20	21.6	5	108		11	30
544-10-5	1-CHLOROHEXANE	20	19.7	5	99		1	30
108-90-7	CHLOROBENZENE	20	19.9	5	99		8	24
630-20-6	1,1,1,2-TETRACHLOROETHANE	20	20.6	5	103		8	30
100-41-4	ETHYLBENZENE	20	20	5	100		8	30
136777-61-	M+P-XYLENE	40	40.4	5	101		4	30
95-47-6	O-XYLENE	20	21.5	5	107		7	30
100-42-5	STYRENE	20	22.1	5	111		6	30
75-25-2	BROMOFORM	20	20.3	5	102		11	30
98-82-8	ISOPROPYLBENZENE	20	19	5	95		11	30
96-18-4	1,2,3-TRICHLOROPROPANE	20	19.2	5	96		18	30
79-34-5	1,1,2,2-TETRACHLOROETHANE	20	18.8	5	94		11	30
108-86-1	BROMOBENZENE	20	19.6	5	98		11	30
103-65-1	N-PROPYLBENZENE	20	19.2	5	96		6	30
95-49-8	2-CHLOROTOLUENE	20	18.5	5	92		13	30

Data Package ID: *VL0109139-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL011003-2LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/03/2001
Date Analyzed: 10/03/2001

Prep Batch: VL011003-2
QCBatchID: VL011003-2-1
Run ID: VL011003-2A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 G
Final Volume: 5 ML
Result Units: UG/KG
CleanupDF: 1

108-67-8	1,3,5-TRIMETHYLBENZENE	20	19.7	5	98		14	30
106-43-4	4-CHLOROTOLUENE	20	19.2	5	96		6	30
98-06-6	TERT-BUTYLBENZENE	20	19	5	95		9	30
95-63-6	1,2,4-TRIMETHYLBENZENE	20	20.5	5	102		11	30
135-98-8	SEC-BUTYLBENZENE	20	19.5	5	98		10	30
541-73-1	1,3-DICHLOROBENZENE	20	20.7	5	104		3	30
99-87-6	P-ISOPROPYLTOLUENE	20	20	5	100		0	30
106-46-7	1,4-DICHLOROBENZENE	20	20.4	5	102		4	30
104-51-8	N-BUTYLBENZENE	20	19.5	5	97		4	30
95-50-1	1,2-DICHLOROBENZENE	20	20.7	5	104		3	30
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	20	18.7	10	94	+	31	30
120-82-1	1,2,4-TRICHLOROBENZENE	20	19.9	5	99		12	30
87-68-3	HEXACHLOROBUTADIENE	20	19	5	95		4	30
91-20-3	NAPHTHALENE	20	20.8	5	104		15	30
87-61-6	1,2,3-TRICHLOROBENZENE	20	21.2	5	106		9	30

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50	92		100		66 - 145
1868-53-7	DIBROMOFLUOROMETHANE	50	103		98		70 - 139
2037-26-5	TOLUENE-D8	50	92		98		76 - 125

Data Package ID: *VL0109139-1*

Paragon Analytics, Inc.

Explosives by HPLC Case Narrative

IT Corporation

PLUMBROOK ORDINACE WORKS -- 825635

Order Number - 0109139

1. This report consists of 3 soil samples and 2 leachate samples. The samples were received cool and intact by Paragon on 09/28/2001.

2. These samples were extracted and analyzed according to SW-846, 3rd Edition procedures. Specifically, soil samples 1, 2, and 3 were extracted using Paragon Analytics, Inc. Standard Operating Procedure 665 Revision 2 based on Method 8330. Soil samples 2 and 3 were processed through leaching procedures following Paragon Analytics, Inc. Standard Operating Procedure 668 Revision 0 based on Method 1312. The leachates were then extracted using Paragon Analytics, Inc. Standard Operating Procedure 665 Revision 2 based on Method 8330.

3. Extracts from aqueous samples are prepared for analysis by mixing with reagent grade water (1 part water to 1 part extract). Our reporting limits for aqueous samples, as well as all results for aqueous samples are based on the final volume of the extract/reagent water mixture (typically 3mL) and not on the original volume of extract (typically 1.5mL).

   The leachate and the soil extracts were then analyzed using HPLC with a UV detector (254nm) and a C_{18} column according to Paragon Analytics, Inc. Standard Operating Procedure 404 Revision 8 based on SW-846 Method 8330. All positive results were then confirmed on a cyano column. Quantitations were taken from the primary column. The results reported are based upon regression equations calculated from a six point initial calibration.

4. All initial and continuing calibration criteria were within acceptance criteria.

5. The method blanks associated with this project were below the reporting limits for all analytes.

6. All laboratory control spike and laboratory control spike duplicate recoveries and RPDs were within the acceptance criteria.

7. The leachate matrix spike and matrix spike duplicate recoveries were all outside the control limits low, except for nitrobenzene which was out high, and tetryl which was within the control limits. All leachate RPDs were within acceptance criteria.

   All soil matrix spike and matrix spike duplicate recoveries and RPDs were within acceptance criteria with the following exceptions:

Spiked Compound	QC Sample	Direction
RDX	1MS & 1MSD	high
1,3,5-trinitrobenzene	1MS & 1MSD	high
1,3-dinitrobenzene	1MS & 1MSD	high
nitrobenzene	1MS & 1MSD	high
2,4-dinitrotoluene	1MS & 1MSD	high

   The recoveries of these compounds in the laboratory control spike and laboratory control spike duplicate were within control limits, which suggest the outliers in the matrix spikes may have been due to matrix effects. No further action was warranted. Blank spike and blank spike duplicate results have been included.

8. All samples were extracted and analyzed within the established holding times.

9. All surrogate recoveries were within acceptable limits with the following exceptions:

Surrogate	Sample	Direction
1,4-dinitrobenzene	4, 5, 5MS, & 5MSD	low

   Samples 4 and 5 had a similar matrix. Sample 5 was used for the matrix spike and matrix spike duplicate. The surrogate in the spikes was also outside the acceptance criteria, which suggests the outliers may have been due to matrix effects. Further re-analyses were not warranted. NCR #03623 has been included.

10. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in Paragon Analytics, Inc. Standard Operating Procedure 939 Revision 0. The chromatographic data system marks the manual integrations in the peak type field on the quantitation report with an M. Whenever manual integrations are performed before and after quantitation reports and chromatograms are included in the report.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics, Inc. certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Peter Gintautas
Organics Technical Manager

10/17/01
Date

CX
Reviewer's Initials

10-18-01
Date

Paragon Analytics, Inc.
Data Qualifier Flags
Chromatography and Mass Spectrometry

U or ND:	**This flag indicates that the compound was analyzed for but not detected.**
J:	**This flag indicates an estimated value. This flag is used as follows : (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); and (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL.**
B:	**This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.**
E:	**This flag identifies compounds whose concentration exceeds the upper level of the calibration range.**
***:**	**This flag indicates that a spike recovery is equal to or outside the control criteria used. (This flag appears when a spike recovery is equal to, and therefore within, the control criteria due to a limitation in the current PAI LIMS system.)**
+:	**This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria. (This flag appears when the RPD is equal to, and therefore within, the control criteria due to a limitation in the current PAI LIMS system.)**

Paragon Analytics, Incorporated

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0109139
Client Name: IT Corporation
Client Project Name: PLUMBROOK ORDINACE WORKS
Client Project Number: 825635
Client PO Number: 173457

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
BD0027	0109139-1		SOIL	9/27/01	9:13
BD0031	0109139-2		SOIL	9/27/01	9:23
BD0032	0109139-3		SOIL	9/27/01	14:15
BD0031	0109139-4		LEACHAT	9/27/01	9:23
BD0032	0109139-5		LEACHAT	9/27/01	14:15

0109139

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW0927PARA

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Keesler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 9/27/01
Laboratory Destination: Paragon Analytics
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 827700978179

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

	Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
1	BD0027	Soil	9/27/01 9:13	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals		
2	BD0031	Soil	9/27/01 9:23	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		
3	BD0032	Soil	9/27/01 14:15	Encore WMGL	575 ml	ICE	Volatiles, Explosives, Metals, SPLP Explosives		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: 21 DAYS Rush: ____

Level of QC Required:
I. ____ II. ____ III. ____ Project Specific: ____

1. Relinquished by: [signature] Date: 9-27-01 Time: 19:30
2. Relinquished by: FEDEX Date: Time:
3. Relinquished by: Date: Time:

1. Received by: FEDEX Date: Time:
2. Received by: [signature] Date: 9-28-01 Time: 0915
2. Received by: Date: Time:

Comments:

00005

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: IT KNOX PROJECT MANAGER: DF

WORKORDER NO: 0109139 INITIALS: TA DATE: 9-28-01

1. Does this project require any special handling in addition to standard Paragon procedures? **IS PRE-SCREENING REQUIRED? (radiochemistry, DOE, etc.)**		Yes Yes	(No) (No)
2. Are custody seals on shipping containers intact? How many custody seals are provided? 1	N/A	(Yes)	No
3. Are the custody seals on sample containers intact?	(N/A)	Yes	No
4. Is there a Chain-of-Custody (COC) or other representative documents, letters, or shipping memos?		(Yes)	No
5. Is the COC complete? Relinquished: Yes ✓ No___ Analyses Requested: Yes ✓ No___	N/A	(Yes)	No
6. Is the COC in agreement with the samples received? No. of Samples: Yes ✓ No___ Sample ID's: Yes ✓ No___ Matrix: Yes ✓ No___ No. of Containers: Yes ✓ No___	N/A	(Yes)	No
7. Were COC (if applicable) and sample labels legible?		(Yes)	No
8. Were airbills present and/or removable?		(Yes)	No
9. Are all aqueous samples requiring chemical preservation preserved correctly (excluding volatile organics)? Are all aqueous **non-preserved** samples at the correct pH?	(N/A)	Yes Yes	No No
10. Is there enough sample for requested analyses? If so, were samples placed in the proper containers?		(Yes)	No
11. Are all samples within holding times for the requested analyses?		(Yes)	No
12. Were all sample containers received intact? (not broken or leaking, etc.)		(Yes)	No
13. Are samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? **Size of bubble: ___ < green pea; ___ > green pea** (List sample IDs and affected containers on Page 2)	(N/A)	Yes	No
14. Is Paragon to dispose of samples?		(Yes)	No
15. Were the sample(s) shipped on ice?	N/A	(Yes)	No
16. Were cooler temperatures measured at 2 - 6 °C ?	N/A	(Yes)	No
17. Were all samples cooled that should have been cooled?		(Yes)	No

Cooler #'s 1

Temperature 3°C °C

Project Manager Signature / Date: Debbie Fazio 10/1/01

A NO RESPONSE TO ANY QUESTION (EXCEPT # 1 and #14 REQUIRES THE COMPLETION OF PAGE 2 OF THIS FORM

500

FedEx Express USA Airbill

FedEx Tracking Number 827700978179

0215

Recipient's Copy

RECIPIENT: PEEL HERE

1 From This portion can be removed for Recipient's records.

Date 9/27/01 FedEx Tracking Number 827700978179

Sender's Name David Kessler Phone 865 690-3211

Company I T CORP

Address 312 DIRECTORS DR

Dept./Floor/Suite/Room

City KNOXVILLE State TN ZIP 37923

2 Your Internal Billing Reference PBOW 825635.05000000

3 To

Recipient's Name Debbie Fazio Phone 970 490-1511

Company Paragon Analytics

Address 225 Commerce Dr

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

City Fort Collins State CO ZIP 80524

8277 0097 8179

L

0185467519

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day — Second business day
- [ ] FedEx Express Saver — Third business day
- [ ] NEW FedEx Extra Hours — Later drop-off with next business afternoon delivery for select locations

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight* — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation:

5 Packaging * Declared value limit $500

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] SUNDAY Delivery — Available only for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available only for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or with FedEx Extra Hours service.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [x] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- [ ] Obtain Recip. Acct. No.

[redacted]

Total Packages 1 Total Weight 27 [redacted] Total Charges

Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the *FedEx Service Guide* for details.

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com or call 1-800-Go-FedEx® (800)463-3339.

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Analytical Results

HPLC Explosives

Method SW8330

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011006-4MB

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/06/2001
Date Analyzed: 10/10/2001

Prep Batch: EX011006-4
QCBatchID: EX011006-4-1
Run ID: HP011010-41
Cleanup: NONE
Basis: N/A

Sample Aliquot: 2 G
Final Volume: 20 ML
Result Units: MG/KG
CleanupDF: 1
File Name: 4H000174

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
2691-41-0	HMX	1	2.2	2.2	0.058	U	
121-82-4	RDX	1	1	1	0.064	U	
99-35-4	1,3,5-TRINITROBENZENE	1	0.25	0.25	0.035	U	
99-65-0	1,3-DINITROBENZENE	1	0.25	0.25	0.066	U	
479-45-8	TETRYL	1	0.65	0.65	0.063	U	
98-95-3	NITROBENZENE	1	0.26	0.26	0.057	U	
118-96-7	2,4,6-TRINITROTOLUENE	1	0.25	0.25	0.051	U	
19406-51-0	4-AMINO-2,6-DNT	1	0.25	0.25	0.065	U	
35572-78-2	2-AMINO-4,6-DNT	1	0.25	0.25	0.066	U	
606-20-2	2,6-DINITROTOLUENE	1	0.26	0.26	0.06	U	
121-14-2	2,4-DINITROTOLUENE	1	0.25	0.25	0.059	U	
88-72-2	2-NITROTOLUENE	1	0.25	0.25	0.047	U	
99-99-0	4-NITROTOLUENE	1	0.25	0.25	0.053	U	
99-08-1	3-NITROTOLUENE	1	0.25	0.25	0.06	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
100-25-4	1,4-DINITROBENZENE	2.7		2.5	108	49 - 147

Data Package ID: *HP0109139-2*

HPLC Explosives

Method SW8330

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0027
Lab ID: 0109139-1

Sample Matrix: SOIL
% Moisture: 23
Date Collected: 27-Sep-01
Date Extracted: 06-Oct-01
Date Analyzed: 10-Oct-01

Prep Batch: EX011006-4
QCBatchID: EX011006-4-1
Run ID: HP011010-41
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 2 G
Final Volume: 20 ML
Result Units: MG/KG
CleanupDF: 1
File Name: 4H000183

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
2691-41-0	HMX	1	2.2	2.2	0.058	U	
121-82-4	RDX	1	0.37	1	0.064	J	
99-35-4	1,3,5-TRINITROBENZENE	1	1.6	0.25	0.035		
99-65-0	1,3-DINITROBENZENE	1	0.32	0.25	0.066		
479-45-8	TETRYL	1	0.65	0.65	0.063	U	
98-95-3	NITROBENZENE	1	0.26	0.26	0.057	U	
118-96-7	2,4,6-TRINITROTOLUENE	1	0.18	0.25	0.051	J	
19406-51-0	4-AMINO-2,6-DNT	1	0.14	0.25	0.065	J	
35572-78-2	2-AMINO-4,6-DNT	1	0.25	0.25	0.066	U	
606-20-2	2,6-DINITROTOLUENE	1	0.26	0.26	0.06	U	
121-14-2	2,4-DINITROTOLUENE	1	0.25	0.25	0.059	U	
88-72-2	2-NITROTOLUENE	1	0.25	0.25	0.047	U	
99-99-0	4-NITROTOLUENE	1	0.25	0.25	0.053	U	
99-08-1	3-NITROTOLUENE	1	0.25	0.25	0.06	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
100-25-4	1,4-DINITROBENZENE	2.73		2.5	109	49 - 147

Data Package ID: *HP0109139-2*

HPLC Explosives

Method SW8330

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0031
Lab ID: 0109139-2

Sample Matrix: SOIL
% Moisture: 20
Date Collected: 27-Sep-01
Date Extracted: 06-Oct-01
Date Analyzed: 10-Oct-01

Prep Batch: EX011006-4
QCBatchID: EX011006-4-1
Run ID: HP011010-41
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 2 G
Final Volume: 20 ML
Result Units: MG/KG
CleanupDF: 1
File Name: 4H000184

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
2691-41-0	HMX	1	2.2	2.2	0.058	U	
121-82-4	RDX	1	1	1	0.064	U	
99-35-4	1,3,5-TRINITROBENZENE	1	0.25	0.25	0.035	U	
99-65-0	1,3-DINITROBENZENE	1	0.25	0.25	0.066	U	
479-45-8	TETRYL	1	0.65	0.65	0.063	U	
98-95-3	NITROBENZENE	1	0.26	0.26	0.057	U	
118-96-7	2,4,6-TRINITROTOLUENE	1	0.2	0.25	0.051	J	
19406-51-0	4-AMINO-2,6-DNT	1	0.5	0.25	0.065		
35572-78-2	2-AMINO-4,6-DNT	1	1.1	0.25	0.066		
606-20-2	2,6-DINITROTOLUENE	1	0.26	0.26	0.06	U	
121-14-2	2,4-DINITROTOLUENE	1	0.18	0.25	0.059	J	
88-72-2	2-NITROTOLUENE	1	0.25	0.25	0.047	U	
99-99-0	4-NITROTOLUENE	1	0.25	0.25	0.053	U	
99-08-1	3-NITROTOLUENE	1	0.25	0.25	0.06	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
100-25-4	1,4-DINITROBENZENE	2.75		2.5	110	49 - 147

Data Package ID: *HP0109139-2*

HPLC Explosives

Method SW8330

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0032
Lab ID: 0109139-3

Sample Matrix: SOIL
% Moisture: 24.4
Date Collected: 27-Sep-01
Date Extracted: 06-Oct-01
Date Analyzed: 10-Oct-01

Prep Batch: EX011006-4
QCBatchID: EX011006-4-1
Run ID: HP011010-41
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 2 G
Final Volume: 20 ML
Result Units: MG/KG
CleanupDF: 1
File Name: 4H000185

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
2691-41-0	HMX	1	2.2	2.2	0.058	U	
121-82-4	RDX	1	1.9	1	0.064		
99-35-4	1,3,5-TRINITROBENZENE	1	11	0.25	0.035		
99-65-0	1,3-DINITROBENZENE	1	2.6	0.25	0.066		
479-45-8	TETRYL	1	0.65	0.65	0.063	U	
98-95-3	NITROBENZENE	1	0.26	0.26	0.057	U	
118-96-7	2,4,6-TRINITROTOLUENE	1	0.27	0.25	0.051		
19406-51-0	4-AMINO-2,6-DNT	1	0.15	0.25	0.065	J	
35572-78-2	2-AMINO-4,6-DNT	1	0.25	0.25	0.066	U	
606-20-2	2,6-DINITROTOLUENE	1	2.2	0.26	0.06		
121-14-2	2,4-DINITROTOLUENE	1	0.25	0.25	0.059	U	
88-72-2	2-NITROTOLUENE	1	0.25	0.25	0.047	U	
99-99-0	4-NITROTOLUENE	1	0.25	0.25	0.053	U	
99-08-1	3-NITROTOLUENE	1	0.25	0.25	0.06	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
100-25-4	1,4-DINITROBENZENE	2.89		2.5	115	49 - 147

Data Package ID: *HP0109139-2*

HPLC Explosives

Method SW8330--Leachate
Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011003-5MB

LEACH DATE: 10/2/2001

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/03/2001
Date Analyzed: 10/10/2001

Prep Batch: EX011003-5
QCBatchID: EX011003-5-1
Run ID: HP011010-41
Cleanup: NONE
Basis: N/A

Sample Aliquot: 350 ML
Final Volume: 3 ML
Result Units: UG/L
CleanupDF: 1
File Name: 4H000175

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
2691-41-0	HMX	1	1	1	0.023	U	
121-82-4	RDX	1	0.84	0.84	0.03	U	
99-35-4	1,3,5-TRINITROBENZENE	1	0.26	0.26	0.031	U	
99-65-0	1,3-DINITROBENZENE	1	0.25	0.25	0.03	U	
479-45-8	TETRYL	1	1	1	0.03	U	
98-95-3	NITROBENZENE	1	1	1	0.032	U	
118-96-7	2,4,6-TRINITROTOLUENE	1	0.25	0.25	0.018	U	
19406-51-0	4-AMINO-2,6-DNT	1	0.25	0.25	0.03	U	
35572-78-2	2-AMINO-4,6-DNT	1	0.25	0.25	0.03	U	
606-20-2	2,6-DINITROTOLUENE	1	0.25	0.25	0.029	U	
121-14-2	2,4-DINITROTOLUENE	1	0.25	0.25	0.024	U	
88-72-2	2-NITROTOLUENE	1	1	1	0.018	U	
99-99-0	4-NITROTOLUENE	1	1	1	0.029	U	
99-08-1	3-NITROTOLUENE	1	1	1	0.03	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
100-25-4	1,4-DINITROBENZENE	1.86		2.14	87	52 - 123

Data Package ID: *HP0109139-1*

HPLC Explosives

Method SW8330--SPLP Leachate

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0031
Lab ID: 0109139-4
LEACH DATE: 10/2/2001

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 27-Sep-01
Date Extracted: 03-Oct-01
Date Analyzed: 10-Oct-01

Prep Batch: EX011003-5
QCBatchID: EX011003-5-1
Run ID: HP011010-41
Cleanup: NONE
Basis: As Received

Sample Aliquot: 350 ML
Final Volume: 3 ML
Result Units: UG/L
CleanupDF: 1
File Name: 4H000179

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
2691-41-0	HMX	1	1	1	0.023	U	
121-82-4	RDX	1	0.84	0.84	0.03	U	
99-35-4	1,3,5-TRINITROBENZENE	1	0.26	0.26	0.031	U	
99-65-0	1,3-DINITROBENZENE	1	0.25	0.25	0.03	U	
479-45-8	TETRYL	1	1	1	0.03	U	
98-95-3	NITROBENZENE	1	1	1	0.032	U	
118-96-7	2,4,6-TRINITROTOLUENE	1	0.58	0.25	0.018		
19406-51-0	4-AMINO-2,6-DNT	1	0.98	0.25	0.03		
35572-78-2	2-AMINO-4,6-DNT	1	2	0.25	0.03		
606-20-2	2,6-DINITROTOLUENE	1	0.25	0.25	0.029	U	
121-14-2	2,4-DINITROTOLUENE	1	0.47	0.25	0.024		
88-72-2	2-NITROTOLUENE	1	1	1	0.018	U	
99-99-0	4-NITROTOLUENE	1	1	1	0.029	U	
99-08-1	3-NITROTOLUENE	1	1	1	0.03	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
100-25-4	1,4-DINITROBENZENE	0.62	*	2.14	29	52 - 123

Data Package ID: *HP0109139-1*

HPLC Explosives

Method SW8330--SPLP Leachate

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0032
Lab ID: 0109139-5
LEACH DATE: 10/2/2001

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 27-Sep-01
Date Extracted: 03-Oct-01
Date Analyzed: 10-Oct-01

Prep Batch: EX011003-5
QCBatchID: EX011003-5-1
Run ID: HP011010-41
Cleanup: NONE
Basis: As Received

Sample Aliquot: 350 ML
Final Volume: 3 ML
Result Units: UG/L
CleanupDF: 1
File Name: 4H000180

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
2691-41-0	HMX	1	1	1	0.023	U	
121-82-4	RDX	1	0.97	0.84	0.03		
99-35-4	1,3,5-TRINITROBENZENE	1	3.9	0.26	0.031		
99-65-0	1,3-DINITROBENZENE	1	1.2	0.25	0.03		
479-45-8	TETRYL	1	1	1	0.03	U	
98-95-3	NITROBENZENE	1	1	1	0.032	U	
118-96-7	2,4,6-TRINITROTOLUENE	1	0.41	0.25	0.018		
19406-51-0	4-AMINO-2,6-DNT	1	0.33	0.25	0.03		
35572-78-2	2-AMINO-4,6-DNT	1	0.25	0.25	0.03	U	
606-20-2	2,6-DINITROTOLUENE	1	0.25	0.25	0.029	U	
121-14-2	2,4-DINITROTOLUENE	1	7.7	0.25	0.024		
88-72-2	2-NITROTOLUENE	1	1	1	0.018	U	
99-99-0	4-NITROTOLUENE	1	1	1	0.029	U	
99-08-1	3-NITROTOLUENE	1	1	1	0.03	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
100-25-4	1,4-DINITROBENZENE	0.548	*	2.14	26	52 - 123

Data Package ID: *HP0109139-1*

HPLC Explosives

Method SW8330

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011006-4LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/06/2001
Date Analyzed: 10/10/2001

Prep Batch: EX011006-4
QCBatchID: EX011006-4-1
Run ID: HP011010-41
Cleanup: NONE
Basis: N/A

Sample Aliquot: 2 G
Final Volume: 20 ML
Result Units: MG/KG
CleanupDF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
2691-41-0	HMX	5	5.16	2.2		103	84 - 124%
121-82-4	RDX	5	4.76	1		95	82 - 116%
99-35-4	1,3,5-TRINITROBENZENE	5	5.09	0.25		102	81 - 127%
99-65-0	1,3-DINITROBENZENE	5	5.03	0.25		101	79 - 124%
479-45-8	TETRYL	5	5.48	0.65		110	36 - 158%
98-95-3	NITROBENZENE	5	4.86	0.26		97	77 - 127%
118-96-7	2,4,6-TRINITROTOLUENE	5	4.94	0.25		99	61 - 136%
19406-51-0	4-AMINO-2,6-DNT	5	5.09	0.25		102	79 - 129%
35572-78-2	2-AMINO-4,6-DNT	5	5.21	0.25		104	78 - 124%
606-20-2	2,6-DINITROTOLUENE	5	4.71	0.26		94	81 - 117%
121-14-2	2,4-DINITROTOLUENE	5	4.89	0.25		98	75 - 129%
88-72-2	2-NITROTOLUENE	5	5.04	0.25		101	78 - 123%
99-99-0	4-NITROTOLUENE	5	4.92	0.25		98	72 - 126%
99-08-1	3-NITROTOLUENE	5	5.1	0.25		102	81 - 125%

Data Package ID: *HP0109139-2*

HPLC Explosives

Method SW8330

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011006-4LCS

Sample Matrix: SOIL
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/06/2001
Date Analyzed: 10/10/2001

Prep Batch: EX011006-4
QCBatchID: EX011006-4-1
Run ID: HP011010-41
Cleanup: NONE
Basis: N/A

Sample Aliquot: 2 G
Final Volume: 20 ML
Result Units: MG/KG
CleanupDF: 1

Lab ID: EX011006-4LCSD

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
2691-41-0	HMX	5	5.38	2.2	108		4	30
121-82-4	RDX	5	4.95	1	99		4	30
99-35-4	1,3,5-TRINITROBENZENE	5	5.26	0.25	105		3	30
99-65-0	1,3-DINITROBENZENE	5	5.22	0.25	104		4	30
479-45-8	TETRYL	5	5.7	0.65	114		4	30
98-95-3	NITROBENZENE	5	5.01	0.26	100		3	30
118-96-7	2,4,6-TRINITROTOLUENE	5	5.08	0.25	102		3	30
19406-51-0	4-AMINO-2,6-DNT	5	5.18	0.25	104		2	30
35572-78-2	2-AMINO-4,6-DNT	5	5.47	0.25	109		5	30
606-20-2	2,6-DINITROTOLUENE	5	4.97	0.26	99		5	30
121-14-2	2,4-DINITROTOLUENE	5	5.05	0.25	101		3	30
88-72-2	2-NITROTOLUENE	5	5.1	0.25	102		1	30
99-99-0	4-NITROTOLUENE	5	4.85	0.25	97		1	30
99-08-1	3-NITROTOLUENE	5	5.04	0.25	101		1	30

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
100-25-4	1,4-DINITROBENZENE	2.5	111		113		49 - 147

Data Package ID: *HP0109139-2*

HPLC Explosives

Method SW8330

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0027
LabID: 0109139-1MS

Sample Matrix: SOIL
% Moisture: 23
Date Collected: 27-Sep-01
Date Extracted: 06-Oct-01
Date Analyzed: 10-Oct-01

Prep Batch: EX011006-4
QCBatchID: EX011006-4-1
Run ID: HP011010-41
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 2.01 G
Final Volume: 20 ML
Result Units: MG/KG

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
2691-41-0	HMX	2.2	U	5.06		2.19	4.98	102	84 - 124%
121-82-4	RDX	0.37	J	6.4	*	0.995	4.98	121	82 - 116%
99-35-4	1,3,5-TRINITROBENZENE	1.6		15.9	*	0.249	4.98	288	81 - 127%
99-65-0	1,3-DINITROBENZENE	0.32		7.3	*	0.249	4.98	140	79 - 124%
479-45-8	TETRYL	0.65	U	5.52		0.647	4.98	111	36 - 158%
98-95-3	NITROBENZENE	0.26	U	6.41	*	0.259	4.98	129	77 - 127%
118-96-7	2,4,6-TRINITROTOLUENE	0.18	J	5.22		0.249	4.98	101	61 - 136%
19406-51-0	4-AMINO-2,6-DNT	0.14	J	5.09		0.249	4.98	99	79 - 129%
35572-78-2	2-AMINO-4,6-DNT	0.25	U	5.55		0.249	4.98	111	78 - 124%
606-20-2	2,6-DINITROTOLUENE	0.26	U	4.58		0.259	4.98	92	81 - 117%
121-14-2	2,4-DINITROTOLUENE	0.25	U	12.3	*	0.249	4.98	247	75 - 129%
88-72-2	2-NITROTOLUENE	0.25	U	5		0.249	4.98	101	78 - 123%
99-99-0	4-NITROTOLUENE	0.25	U	4.94		0.249	4.98	99	72 - 126%
99-08-1	3-NITROTOLUENE	0.25	U	5.17		0.249	4.98	104	81 - 125%

Data Package ID: *HP0109139-2*

HPLC Explosives

Method SW8330

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0027
LabID: 0109139-1MS

Sample Matrix: SOIL
% Moisture: 23
Date Collected: 27-Sep-01
Date Extracted: 06-Oct-01
Date Analyzed: 10-Oct-01

Prep Batch: EX011006-4
QCBatchID: EX011006-4-1
Run ID: HP011010-41
Cleanup: NONE
Basis: Dry Weight

Sample Aliquot: 2.01 G
Final Volume: 20 ML
Result Units: MG/KG

MSD Lab ID: 0109139-1MSD

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
2691-41-0	HMX	5	5.11		2.2	102	1	30
121-82-4	RDX	5	6.65	*	1	125	4	30
99-35-4	1,3,5-TRINITROBENZENE	5	16.1	*	0.25	291	1	30
99-65-0	1,3-DINITROBENZENE	5	7.61	*	0.25	146	4	30
479-45-8	TETRYL	5	5.71		0.65	114	3	30
98-95-3	NITROBENZENE	5	6.67	*	0.26	133	4	30
118-96-7	2,4,6-TRINITROTOLUENE	5	5.26		0.25	102	1	30
19406-51-0	4-AMINO-2,6-DNT	5	5.07		0.25	99	0	30
35572-78-2	2-AMINO-4,6-DNT	5	5.54		0.25	111	0	30
606-20-2	2,6-DINITROTOLUENE	5	4.46		0.26	89	3	30
121-14-2	2,4-DINITROTOLUENE	5	12.9	*	0.25	258	5	30
88-72-2	2-NITROTOLUENE	5	5.14		0.25	103	3	30
99-99-0	4-NITROTOLUENE	5	4.82		0.25	96	3	30
99-08-1	3-NITROTOLUENE	5	5.19		0.25	104	0	30

Surrogate Recovery MS/MSD

CASNO	Target Analyte	Spike Added	MS % Rec.	MS Flag	MSD % Rec.	MSD Flag	Control Limits
100-25-4	1,4-DINITROBENZENE	2.49	109		112		49 - 147

Data Package ID: *HP0109139-2*

HPLC Explosives

Method SW8330--Leachate

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011003-5LCS

LEACH DATE: 10/2/2001

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/03/2001
Date Analyzed: 10/10/2001

Prep Batch: EX011003-5
QCBatchID: EX011003-5-1
Run ID: HP011010-41
Cleanup: NONE
Basis: N/A

Sample Aliquot: 350 ML
Final Volume: 3 ML
Result Units: UG/L
CleanupDF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
2691-41-0	HMX	4.29	3.52	1		82	55 - 125%
121-82-4	RDX	4.29	3.11	0.84		72	47 - 122%
99-35-4	1,3,5-TRINITROBENZENE	4.29	3.39	0.26		79	51 - 116%
99-65-0	1,3-DINITROBENZENE	4.29	3.27	0.25		76	55 - 113%
479-45-8	TETRYL	4.29	2.72	1		63	19 - 120%
98-95-3	NITROBENZENE	4.29	3.09	1		72	51 - 103%
118-96-7	2,4,6-TRINITROTOLUENE	4.29	2.99	0.25		70	51 - 113%
19406-51-0	4-AMINO-2,6-DNT	4.29	3.78	0.25		88	54 - 133%
35572-78-2	2-AMINO-4,6-DNT	4.29	3.59	0.25		84	56 - 122%
606-20-2	2,6-DINITROTOLUENE	4.29	2.92	0.25		68	47 - 123%
121-14-2	2,4-DINITROTOLUENE	4.29	3.2	0.25		75	56 - 113%
88-72-2	2-NITROTOLUENE	4.29	3.17	1		74	54 - 115%
99-99-0	4-NITROTOLUENE	4.29	2.95	1		69	53 - 109%
99-08-1	3-NITROTOLUENE	4.29	2.96	1		69	57 - 116%

Data Package ID: *HP0109139-1*

HPLC Explosives

Method SW8330--Leachate

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011003-5LCS

LEACH DATE: 10/2/2001

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/03/2001
Date Analyzed: 10/10/2001

Prep Batch: EX011003-5
QCBatchID: EX011003-5-1
Run ID: HP011010-41
Cleanup: NONE
Basis: N/A

Sample Aliquot: 350 ML
Final Volume: 3 ML
Result Units: UG/L
CleanupDF: 1

Lab ID: EX011003-5LCSD

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
2691-41-0	HMX	4.29	3.61	1	84		3	30
121-82-4	RDX	4.29	3.24	0.84	76		4	30
99-35-4	1,3,5-TRINITROBENZENE	4.29	3.47	0.26	81		2	30
99-65-0	1,3-DINITROBENZENE	4.29	3.24	0.25	76		1	30
479-45-8	TETRYL	4.29	2.72	1	63		0	30
98-95-3	NITROBENZENE	4.29	2.97	1	69		4	30
118-96-7	2,4,6-TRINITROTOLUENE	4.29	3.14	0.25	73		5	30
19406-51-0	4-AMINO-2,6-DNT	4.29	4.02	0.25	94		6	30
35572-78-2	2-AMINO-4,6-DNT	4.29	3.73	0.25	87		4	30
606-20-2	2,6-DINITROTOLUENE	4.29	2.98	0.25	69		2	30
121-14-2	2,4-DINITROTOLUENE	4.29	3.22	0.25	75		1	30
88-72-2	2-NITROTOLUENE	4.29	3.17	1	74		0	30
99-99-0	4-NITROTOLUENE	4.29	2.96	1	69		1	30
99-08-1	3-NITROTOLUENE	4.29	3.21	1	75		8	30

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
100-25-4	1,4-DINITROBENZENE	2.14	88		85		52 - 123

Data Package ID: *HP0109139-1*

HPLC Explosives

Method SW8330--Leachate

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0032
LabID: 0109139-5MS

LEACH DATE: 10/2/2001

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 27-Sep-01
Date Extracted: 03-Oct-01
Date Analyzed: 10-Oct-01

Prep Batch: EX011003-5
QCBatchID: EX011003-5-1
Run ID: HP011010-41
Cleanup: NONE
Basis: As Received

Sample Aliquot: 350 ML
Final Volume: 3 ML
Result Units: UG/L

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
2691-41-0	HMX	1	U	0.91	J*	1	4.29	21	55 - 125%
121-82-4	RDX	0.97		1.71	*	0.84	4.29	17	47 - 122%
99-35-4	1,3,5-TRINITROBENZENE	3.9		4.91	*	0.26	4.29	23	51 - 116%
99-65-0	1,3-DINITROBENZENE	1.2		2	*	0.25	4.29	18	55 - 113%
479-45-8	TETRYL	1	U	0.835	J	1	4.29	19	19 - 120%
98-95-3	NITROBENZENE	1	U	7.45	*	1	4.29	174	51 - 103%
118-96-7	2,4,6-TRINITROTOLUENE	0.41		1.07	*	0.25	4.29	15	51 - 113%
19406-51-0	4-AMINO-2,6-DNT	0.33		1.25	*	0.25	4.29	22	54 - 133%
35572-78-2	2-AMINO-4,6-DNT	0.25	U	1.07	*	0.25	4.29	25	56 - 122%
606-20-2	2,6-DINITROTOLUENE	0.25	U	1.6	*	0.25	4.29	37	47 - 123%
121-14-2	2,4-DINITROTOLUENE	7.7		7.83	*	0.25	4.29	3	56 - 113%
88-72-2	2-NITROTOLUENE	1	U	0.785	J*	1	4.29	18	54 - 115%
99-99-0	4-NITROTOLUENE	1	U	0.986	J*	1	4.29	23	53 - 109%
99-08-1	3-NITROTOLUENE	1	U	1.02	*	1	4.29	24	57 - 116%

Data Package ID: *HP0109139-1*

HPLC Explosives

Method SW8330--Leachate

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0109139
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD0032
LabID: 0109139-5MS

LEACH DATE: 10/2/2001

Sample Matrix: LEACHATE
% Moisture: N/A
Date Collected: 27-Sep-01
Date Extracted: 03-Oct-01
Date Analyzed: 10-Oct-01

Prep Batch: EX011003-5
QCBatchID: EX011003-5-1
Run ID: HP011010-41
Cleanup: NONE
Basis: As Received

Sample Aliquot: 350 ML
Final Volume: 3 ML
Result Units: UG/L

MSD Lab ID: 0109139-5MSD

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
2691-41-0	HMX	4.29	0.693	J*	1	16	27	30
121-82-4	RDX	4.29	1.79	*	0.84	19	5	30
99-35-4	1,3,5-TRINITROBENZENE	4.29	5	*	0.26	25	2	30
99-65-0	1,3-DINITROBENZENE	4.29	2.07	*	0.25	20	3	30
479-45-8	TETRYL	4.29	0.898	J	1	21	7	30
98-95-3	NITROBENZENE	4.29	7.51	*	1	175	1	30
118-96-7	2,4,6-TRINITROTOLUENE	4.29	1.19	*	0.25	18	11	30
19406-51-0	4-AMINO-2,6-DNT	4.29	1.36	*	0.25	24	8	30
35572-78-2	2-AMINO-4,6-DNT	4.29	1.07	*	0.25	25	0	30
606-20-2	2,6-DINITROTOLUENE	4.29	1.89	*	0.25	44	17	30
121-14-2	2,4-DINITROTOLUENE	4.29	7.75	*	0.25	1	1	30
88-72-2	2-NITROTOLUENE	4.29	0.91	J*	1	21	15	30
99-99-0	4-NITROTOLUENE	4.29	0.847	J*	1	20	15	30
99-08-1	3-NITROTOLUENE	4.29	0.993	J*	1	23	3	30

Surrogate Recovery MS/MSD

CASNO	Target Analyte	Spike Added	MS % Rec.	MS Flag	MSD % Rec.	MSD Flag	Control Limits
100-25-4	1,4-DINITROBENZENE	2.14	24	*	24	*	52 - 123

Data Package ID: *HP0109139-1*

PARAGON ANALYTICS, INC.
225 Commerce Drive ◆ Fort Collins, CO 80524 ◆ (800) 443-1511 ◆ (970) 490-1511 ◆ FAX (970) 490-1522

October 26, 2001

Ms. Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, TN 37923

RE: Paragon Workorder: 01-10-024
Client Project Name: PLUMBROOK ORDINACE
Client Project Number: 825635

Dear Ms. McMyler:

Nine water samples were received from IT Corporation on October 6, 2001. The samples were scheduled for the following analyses:

Metals	pages 1-165	GC/MS Semivolatiles	pages 1-142
GC/MS Volatiles	pages 1-181	Explosives by HPLC	pages 1-117

The results for these analyses are contained in the enclosed reports.

Thank you for your confidence in Paragon Analytics, Inc. Should you have any questions, please call.

Sincerely,

Debbie Fazio

Paragon Analytics, Inc.
Debbie Fazio
Project Manager

DJF/mc
Enclosure: Report

Paragon Analytics, Incorporated

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0110024
Client Name: IT Corporation
Client Project Name: PLUMBROOK ORDINACE WORKS
Client Project Number: 825635
Client PO Number: 173457

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
BD3045	0110024-1		WATER	10/4/01	13:15
BD3047	0110024-2		WATER	10/4/01	13:25
BD3049	0110024-3		WATER	10/4/01	9:00
BD3051	0110024-4		WATER	10/4/01	15:00
TB100501B	0110024-5		WATER	10/5/01	17:30
BD3045	0110024-6		WATER	10/4/01	13:15
BD3047	0110024-7		WATER	10/4/01	13:25
BD3049	0110024-8		WATER	10/4/01	9:00
BD3051	0110024-9		WATER	10/4/01	15:00

0110024

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100501PARA

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Kessler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/5/01
Laboratory Destination: Paragon Analytics
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 828403846719

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

	Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
1	6 BD3045	Water	10/04/01 13:15	VOA vials 1 L Glass, HDPE	4120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)		
2	7 BD3047	Water	10/04/01 13:25	VOA vials 1 L Glass, HDPE	4120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)		
3	8 BD3049	Water	10/04/01 09:00	VOA vials 1 L Glass, HDPE	4120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)		
4	9 BD3051	Water	09:20 15:00	VOA vials 1 L Glass, HDPE	4120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)		
5	TB100501B	Water	10/05/01 17:30	VOA vials	80 ml	Ice / HCl	Volatiles		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: Rush:

Level of QC Required:
I. ____ II. ____ III. ____ Project Specific: ____

1. Relinquished by:	Date: 10-5-01 Time: 18:00	1. Received by: FEDEX	Date: Time:
2. Relinquished by: FEDEX	Date: Time:	2. Received by:	Date: 10-6-01 Time: 0950
3. Relinquished by:	Date: Time:	2. Received by:	Date: Time:

Comments: Please disregard laboratory reference on bottle labels.

DISSOLVED METALS: 6, 7, 8, 9,
[illegible] PARAMETERS: 1, 2, 3, 4, 5

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: IT-KNOX **PROJECT MANAGER:** DF

WORKORDER NO: 011024 **INITIALS:** [illegible] **DATE:** 10-~~12~~ 9-01

1. Does this project require any special handling in addition to standard Paragon procedures? **IS PRE-SCREENING REQUIRED? (radiochemistry, DOE, etc.)**		Yes Yes	(No) (No)
2. Are custody seals on shipping containers intact? How many custody seals are provided? 2/cooler	N/A	(Yes)	No
3. Are the custody seals on sample containers intact?	(N/A)	Yes	No
4. Is there a Chain-of-Custody (COC) or other representative documents, letters, or shipping memos?		(Yes)	No
5. Is the COC complete? Relinquished: Yes ✓ No___ Analyses Requested: Yes ✓ No___	N/A	(Yes)	No
6. Is the COC in agreement with the samples received? No. of Samples: Yes ✓ No___ Sample ID's: Yes ✓ No___ Matrix: Yes ✓ No___ No. of Containers: Yes___ No X	N/A	Yes	(No)
7. Were COC (if applicable) and sample labels legible?		(Yes)	No
8. Were airbills present and/or removable?		(Yes)	No
9. Are all aqueous samples requiring chemical preservation preserved correctly (excluding volatile organics)? Are all aqueous **non-preserved** samples at the correct pH?	N/A	Yes Yes	(No) (No)
10. Is there enough sample for requested analyses? If so, were samples placed in the proper containers?		(Yes)	No
11. Are all samples within holding times for the requested analyses?		(Yes)	No
12. Were all sample containers received intact? (not broken or leaking, etc.)		Yes	(No)
13. Are samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? **Size of bubble:** X **< green pea;** X **> green pea** (List sample IDs and affected containers on Page 2)	N/A	Yes	(No)
14. Is Paragon to dispose of samples?		(Yes)	No
15. Were the sample(s) shipped on ice?	N/A	(Yes)	No
16. Were cooler temperatures measured at 2 - 6 °C ?	N/A	(Yes)	No
17. Were all samples cooled that should have been cooled?		(Yes)	No

Cooler #'s	1	2					
Temperature	3°C	5°C					°C

Project Manager Signature / Date: Debbie Fazio 10/9/01

A NO RESPONSE TO ANY QUESTION (EXCEPT # 1 and #14 REQUIRES THE COMPLETION OF PAGE 2 OF THIS FORM

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: IT KNOX **PROJECT MANAGER:** DF

WORKORDER NO: 0110024 **INITIALS:** [illegible] **DATE:** 10-6-01

- ☐ Custody seals on outside of shipping container broken.
- ☐ Custody seals on sample containers were broken.
- ☐ No Chain-of-Custody (COC) present.
- ☐ Number of samples on the COC do not match the number of samples received.
- ☐ Aqueous samples not preserved correctly (see pH discussion below).
- ☐ Samples received at inappropriate temperature.
- ☐ Insufficient sample to perform requested analyses.
- ☐ Extraction or analytical holding times expired in transit.
- ☒ Broken/leaking bottles and intact bottles received in same cooler (list affected sample IDs below)
- ☐ No analyses requested.
- ☐ Incorrect sample type received.
- ☒ VOAs, reactive CN/S, radon not headspace free (list sample IDs and affected vials below)
- ☐ Airbills not present and/or removable (record applicable shipper's tracking number below)
- ☒ Other

Describe discrepancy:

1 of 3 1.0L AMBERS BROKEN AFTER RECEIPT
FOR BD3045 and BD3051 MY HUMBLE APOLOGIES

BD 3045	2 of 3 <pea	1 of 3 >pea
BD 3047	1 of 3 <pea	2 of 3 >pea
BD 3049	1 of 3 <pea	1 of 3 >pea
BD 3051	1 of 3 <pea	

# of containers NOT Listed Correctly on COC
BD 3051 + BD 3045 - 3 40ml vials 2 1.0L AMBERS (Excludes Broken Bottle)
and 2 500 ml poly
BD 3047 + BD 3049 - same plus 1 more 1.0L AMBER

Was the client contacted? ___ No; ✓ Yes: Name Maureen McMyler Date/Time 10/9/01 1130

Was the pH of any sample adjusted by the laboratory? ___ No; ___ Yes (see Table below):

NOTE: No pH adjustments shall be made without prior consent of Project Manager. After pH adjustment, hold metals samples ≥ 16 hr before analysis and radchem samples ≥ 24 hr before analysis.

Sample ID	*Initial pH*	*Final pH (wait 30 min)*	*Type of Reagent Used*	*Lot No. of Reagent Used*	*Initials / Date / Time*

Project Manager Signature / Date: Debbie Frizzo 10/9/01

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: IT KNOF **PROJECT MANAGER:** DF

WORKORDER NO: 0110024 **INITIALS:** CM **DATE:** 10-6-01

- ☐ Custody seals on outside of shipping container broken.
- ☐ Custody seals on sample containers were broken.
- ☐ No Chain-of-Custody (COC) present.
- ☐ Number of samples on the COC do not match the number of samples received.
- ☒ Aqueous samples not preserved correctly (see pH discussion below).
- ☐ Samples received at inappropriate temperature.
- ☐ Insufficient sample to perform requested analyses.
- ☐ Extraction or analytical holding times expired in transit.
- ☐ Broken/leaking bottles and intact bottles received in same cooler (list affected sample IDs below)
- ☐ No analyses requested.
- ☐ Incorrect sample type received.
- ☐ VOAs, reactive CN/S, radon not headspace free (list sample IDs and affected vials below)
- ☐ Airbills not present and/or removable (record applicable shipper's tracking number below)
- ☒ Other

Describe discrepancy:
DISSOLVED METALS BOTTLE FOR BD3045 pH 8
ALL UNPRESERVED CONTAINERS ≈ pH 8-9

Per Maureen McMyler - preserve above noted sample.

Was the client contacted? ___ No; ✓ Yes: Name Maureen McMyler Date/Time 10/9/01 1120

Was the pH of any sample adjusted by the laboratory? ___ No; ___ Yes (see Table below):

NOTE: No pH adjustments shall be made without prior consent of Project Manager. After pH adjustment, hold metals samples ≥ 16 hr before analysis and radchem samples ≥ 24 hr before analysis.

Sample ID	*Initial pH*	*Final pH (wait 30 min)*	*Type of Reagent Used*	*Lot No. of Reagent Used*	*Initials / Date / Time*

Project Manager Signature / Date: Debbie Fogo 10/9/01

FORM 201r13.frm (08/01/2001)

FedEx Express USA Airbill

FedEx Tracking Number 8284 0384 6719

Form I.D. No. 0200

1 From

Date 10/05/01

Sender's Name HUGH R. ADAMS Phone 865 690-3211

Company JV CORPORATION

Address 312 DIRECTORS DRIVE

City KNOXVILLE State TN ZIP 37923

Dept./Floor/Suite/Room

2 Your Internal Billing Reference PBOW 825635.0500000 0

3 To

Recipient's Name DEBBIE FAZIO Phone 970 490-1511

Company PARAGON ANALYTICS

Address 225 COMMERCE DR

To "HOLD" at FedEx location, print FedEx address.

We cannot deliver to P.O. boxes or P.O. ZIP codes.

City FORT COLLINS State CO ZIP 80524

Dept./Floor/Suite/Room

8284 0384 6719

4a Express Package Service

Packages up to 150 lbs.

Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day — Second business day
- [ ] FedEx Express Saver — Third business day
- [ ] NEW FedEx Extra Hours — Late drop-off with next business afternoon delivery to select locations

FedEx Envelope rate not available. Minimum charge: One-pound rate

4b Express Freight Service

Packages over 150 lbs.

Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation:

5 Packaging

Declared value limit $500

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [x] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling

Include FedEx address in Section 3.

- [x] SATURDAY Delivery — Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] SUNDAY Delivery — Available only for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available only for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Dry Ice — Dry Ice, 9, UN 1845 _____ x _____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or with FedEx Extra Hours service.

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [x] Recipient
- [x] Third Party
- [ ] Credit Card
- [ ] Other Recip. Acct. No.
- [ ] Cash/Check

Total Packages	Total Weight	Total Declared Value†	Total Charges
2	80	$ .00	

†Our liability is limited to $100 unless you declare a higher value. See back for details.

Credit Card Auth.

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com or call 1-800-Go-FedEx® (800)463-3339.

Rev. Date 12/00•Part #155815•©1994–2000 FedEx•PRINTED IN U.S.A. GBFE 3/01

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Paragon Analytics, Inc.

METALS CASE NARRATIVE

IT Corporation

PLUMBROOK ORDINACE WORKS -- 825635

Order Number - 0110024

1. This report consists of eight water samples for total recoverable or dissolved metals.
2. The samples were received cool and intact on 10/6/01.
3. The total recoverable samples had been preserved for the requested analyses. The dissolved samples had been filtered and preserved prior to receipt, with the exception of PAI ID 0110024-6, which was not properly preserved. This sample was preserved to a pH less than two prior to analysis.
4. The samples were prepared for analysis based on SW-846, 3rd Edition procedures.

   For analysis by Trace ICP, the samples were digested following method 3005A and PAI SOP 806 Rev. 5.

   For analysis by Cold Vapor AA (CVAA), the samples were digested following method 7470A and PAI SOP 812 Rev. 7.
5. The samples were analyzed following SW-846, 3rd Edition procedures.

   Analysis by Trace ICP followed method 6010B and PAI SOP 807 Rev. 5.

   The relationship between intensity and concentration for each element is established using at least four standards, one of which is a blank solution. The equation which relates intensity to concentration is:

$$I = A_0 + (A_1 * c^n) + (A_2 * c^{2n})$$

where: I = intensity

c = concentration

A_0 = offset coefficient

A_1 = gain coefficient

A_2 = curvature coefficient

n = exponent coefficient

During sample analysis concentrations are computed by the software and the results are printed in mg/L. The instrument software does not provide a printout which gives both intensity and concentration. The validity of the calibration equation is tested by analyzing the following solutions: a blank, a low level check solution with concentrations near the reporting limit, an Initial Calibration Verification (ICV) standard from a 2nd source standard solution with concentrations near the middle of the analytical range, a Continuing Calibration Verification (CCV) standard with concentrations at two times those in the ICV, and a readback of the highest calibration standard.

These solutions provide verification that the calibration equations are functioning properly throughout the analytical range of the instrument. During sample analysis dilutions are made for analytes found at concentrations above the highest calibration standard. No results are taken from extrapolations beyond the highest standard.

Analysis by CVAA followed method 7470A and PAI SOP 812 Rev. 7.

The relationship between intensity and concentration is determined daily, prior to sample analysis. At least five standards and a blank solution are analyzed to establish the calibration curve. The instrument software performs a linear regression to fit the calibration data to a curve of the form:

$$conc. = B * I + C$$

where: conc. = concentration

B = slope coefficient

I = intensity

C = intercept coefficient

A printout summarizing the calibration data supplies the calibration curve and correlation coefficient. During sample analysis both intensity and concentration values are printed. Dilutions are made for concentrations above the highest calibration standard. No results are taken from extrapolations above the highest standard.

6. All standards and solutions are NIST traceable and were used within their recommended shelf life.

7. The samples were prepared and analyzed within the established hold times.

All in house quality control procedures were followed, as described below.

8. General quality control procedures.

   - A preparation (method) blank, laboratory control sample, and laboratory control sample duplicate were digested and analyzed with the samples in each digestion batch. There were not more than 20 samples in each digestion batch.

- The preparation (method) blank results associated with each digestion batch were below the practical quantitation limits for the requested analytes.
- The laboratory control samples associated with each digestion batch were within the acceptance limits. This indicates complete digestion according to the method.
- All initial and continuing calibration blanks associated with each analytical batch were below the practical quantitation limits for the requested analytes.
- All initial and continuing calibration verifications associated with each analytical batch were within the acceptance criteria for the requested analytes. This indicates a valid calibration and stable instrument conditions.
- The interference check samples and high standard readbacks associated with Method 6010B analyses were within acceptance criteria.

9. Matrix specific quality control procedures.

   Since a sample from this Order Number was not selected as a quality control (QC) sample, matrix specific QC results are not included in this report.

10. Sample dilutions were not required for the requested analyses.

The data contained in the following report have been reviewed and approved by the personnel listed below:

Melissa Grytdal	10/23/01
Melissa Grytdal Data Reporting Specialist	Date
REM	10/24/01
Reviewer's Initials	Date

CERTIFICATION

Paragon Analytics, Inc. certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Paragon Analytics, Incorporated

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0110024
Client Name: IT Corporation
Client Project Name: PLUMBROOK ORDINACE WORKS
Client Project Number: 825635
Client PO Number: 173457

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
BD3045	0110024-1		WATER	10/4/01	13:15
BD3047	0110024-2		WATER	10/4/01	13:25
BD3049	0110024-3		WATER	10/4/01	9:00
BD3051	0110024-4		WATER	10/4/01	15:00
TB100501B	0110024-5		WATER	10/5/01	17:30
BD3045	0110024-6		WATER	10/4/01	13:15
BD3047	0110024-7		WATER	10/4/01	13:25
BD3049	0110024-8		WATER	10/4/01	9:00
BD3051	0110024-9		WATER	10/4/01	15:00

Chain of Custody

0110024

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBDW100501PARA

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Kessler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/5/01
Laboratory Destination: Paragon Analytics
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 828403846719

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

	Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
1	6 BD3045	Water	10/04/01 13:15	VOA vials 1 L Glass, HDPE	4120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)		
2	7 BD3047	Water	10/04/01 13:25	VOA vials 1 L Glass, HDPE	4120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)		
3	8 BD3049	Water	10/04/01 09:00	VOA vials 1 L Glass, HDPE	4120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)		
4	9 BD3051	Water	09:20 15:00	VOA vials 1 L Glass, HDPE	4120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)		
5	TB100501B	Water	10/05/01 17:30	VOA vials	80 ml	Ice / HCl	Volatiles		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: Rush:

Level of QC Required:
I. ____ II. ____ III. ____ Project Specific: ____

1. Relinquished by: [signature]	Date: 10-5-01 Time: 18:00	1. Received by: FEDEX	Date: Time:
2. Relinquished by: FEDEX	Date: Time:	2. Received by: [signature]	Date: 10-6-01 Time: 0950
3. Relinquished by:	Date: Time:	2. Received by:	Date: Time:

Comments: Please disregard laboratory reference on bottle labels.

DISSOLVED METALS: 6, 7, 8, 9,
[illegible] PARAMETERS: 1, 2, 3, 4, 5

00003

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: IT-KNOX PROJECT MANAGER: DF

WORKORDER NO: 0110024 INITIALS: [illegible] DATE: 10-~~12~~ 6-01

1. Does this project require any special handling in addition to standard Paragon procedures?		Yes	No
IS PRE-SCREENING REQUIRED? (radiochemistry, DOE, etc.)		Yes	No
2. Are custody seals on shipping containers intact? How many custody seals are provided? 2/cooler	N/A	Yes	No
3. Are the custody seals on sample containers intact?	N/A	Yes	No
4. Is there a Chain-of-Custody (COC) or other representative documents, letters, or shipping memos?		Yes	No
5. Is the COC complete? Relinquished: Yes ✓ No___ Analyses Requested: Yes ✓ No___	N/A	Yes	No
6. Is the COC in agreement with the samples received? No. of Samples: Yes ✓ No___ Sample ID's: Yes ✓ No___ Matrix: Yes ✓ No___ No. of Containers: Yes___ No X	N/A	Yes	No
7. Were COC (if applicable) and sample labels legible?		Yes	No
8. Were airbills present and/or removable?		Yes	No
9. Are all aqueous samples requiring chemical preservation preserved correctly (excluding volatile organics)?	N/A	Yes	No
Are all aqueous **non-preserved** samples at the correct pH?		Yes	No
10. Is there enough sample for requested analyses? If so, were samples placed in the proper containers?		Yes	No
11. Are all samples within holding times for the requested analyses?		Yes	No
12. Were all sample containers received intact? (not broken or leaking, etc.)		Yes	No
13. Are samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? **Size of bubble:** X **< green pea;** X **> green pea** (List sample IDs and affected containers on Page 2)	N/A	Yes	No
14. Is Paragon to dispose of samples?		Yes	No
15. Were the sample(s) shipped on ice?	N/A	Yes	No
16. Were cooler temperatures measured at 2 - 6 °C ?	N/A	Yes	No
17. Were all samples cooled that should have been cooled?		Yes	No

Cooler #'s	1	2				
Temperature	3°C	5°C				°C

Project Manager Signature / Date: Debbie Frzio 10/9/01

A NO RESPONSE TO ANY QUESTION (EXCEPT # 1 and #14 REQUIRES THE COMPLETION OF PAGE 2 OF THIS FORM

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: IT KNOX **PROJECT MANAGER:** DF

WORKORDER NO: 0110024 **INITIALS:** [illegible] **DATE:** 10-6-01

- ☐ Custody seals on outside of shipping container broken.
- ☐ Custody seals on sample containers were broken.
- ☐ No Chain-of-Custody (COC) present.
- ☐ Number of samples on the COC do not match the number of samples received.
- ☐ Aqueous samples not preserved correctly (see pH discussion below).
- ☐ Samples received at inappropriate temperature.
- ☐ Insufficient sample to perform requested analyses.
- ☐ Extraction or analytical holding times expired in transit.
- ☑ Broken/leaking bottles and intact bottles received in same cooler (list affected sample IDs below)
- ☐ No analyses requested.
- ☐ Incorrect sample type received.
- ☑ VOAs, reactive CN/S, radon not headspace free (list sample IDs and affected vials below)
- ☐ Airbills not present and/or removable (record applicable shipper's tracking number below)
- ☑ Other

Describe discrepancy:

1 of 3 1.0L AMBERS BROKEN AFTER RECEIPT FOR BD3045 and BD3051 MY HUMBLE APOLOGIES

BD3045 2 of 3 <pea 1 of 3 >pea
BD3047 1 of 3 <pea 2 of 3 >pea
BD3049 1 of 3 <pea 1 of 3 >pea
BD3051 1 of 3 <pea

# of containers NOT Listed Correctly on COC
BD3051+BD3045 - 3 40ml vials 2 1.0L AMBERS (Excludes Broken Bottle) and 2 500 ml poly
BD3047+BD3049 - Same plus 1 more 1.0L AMBER

Was the client contacted? ___ No; ✓ Yes: Name Maureen McMyler Date/Time 10/9/01 1130

Was the pH of any sample adjusted by the laboratory? ___ No; ___ Yes (see Table below):

NOTE: No pH adjustments shall be made without prior consent of Project Manager. After pH adjustment, hold metals samples ≥ 16 hr before analysis and radchem samples ≥ 24 hr before analysis.

Sample ID	*Initial pH*	*Final pH (wait 30 min)*	*Type of Reagent Used*	*Lot No. of Reagent Used*	*Initials / Date / Time*

Project Manager Signature / Date: Debbie Frazo 10/9/01

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: IT KNOF PROJECT MANAGER: DF

WORKORDER NO: 0110024 INITIALS: CM DATE: 10-6-01

- ☐ Custody seals on outside of shipping container broken.
- ☐ Custody seals on sample containers were broken.
- ☐ No Chain-of-Custody (COC) present.
- ☐ Number of samples on the COC do not match the number of samples received.
- ☒ Aqueous samples not preserved correctly (see pH discussion below).
- ☐ Samples received at inappropriate temperature.
- ☐ Insufficient sample to perform requested analyses.
- ☐ Extraction or analytical holding times expired in transit.
- ☐ Broken/leaking bottles and intact bottles received in same cooler (list affected sample IDs below)
- ☐ No analyses requested.
- ☐ Incorrect sample type received.
- ☐ VOAs, reactive CN/S, radon not headspace free (list sample IDs and affected vials below)
- ☐ Airbills not present and/or removable (record applicable shipper's tracking number below)
- ☒ Other

Describe discrepancy:
DISSOLVED METALS BOTTLE FOR BD3045 pH 8
ALL UNPRESERVED CONTAINERS ≈ pH 8-9

Per Maureen McMyler - preserve above noted sample.

Was the client contacted? ___ No; ✓ Yes: Name Maureen McMyler Date/Time 10/9/01 1120

Was the pH of any sample adjusted by the laboratory? ___ No; ___ Yes (see Table below):

NOTE: No pH adjustments shall be made without prior consent of Project Manager. After pH adjustment, hold metals samples ≥ 16 hr before analysis and radchem samples ≥ 24 hr before analysis.

Sample ID	*Initial pH*	*Final pH (wait 30 min)*	*Type of Reagent Used*	*Lot No. of Reagent Used*	*Initials / Date / Time*

Project Manager Signature / Date: Debbie Fogis 10/9/01

FORM 201r13.frm (08/01/2001)

FedEx Express USA Airbill

FedEx Tracking Number 8284 0384 6719

Form I.D. No. 0200

1 From

Date 10/05/01

Sender's Name HUGH R. ADAMS Phone 865 690-3211

Company JV CORPORATION

Address 312 DIRECTORS DRIVE

Dept./Floor/Suite/Room

City KNOXVILLE State TN ZIP 37923

2 Your Internal Billing Reference PBOW 825635.0500000 0

3 To

Recipient's Name DEBBIE FAZIO Phone 970 490-1511

Company PARAGON ANALYTICS

SAT DEL.

Address 225 COMMERCE DR

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

City FORT COLLINS State CO ZIP 80524

8284 0384 6719

4a Express Package Service — *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day — Second business day
- [ ] FedEx Express Saver — Third business day
- [ ] NEW FedEx Extra Hours — Late afternoon delivery to select locations

FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service — *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation:

5 Packaging — Declared value limit $500

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] Other Pkg — Includes FedEx Tube, FedEx Tube, and customer pkg.

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] SUNDAY Delivery — Available only for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available only for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [ ] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or with FedEx Extra Hours service.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check
- [ ] Obtain Recip. Acct. No.

Total Packages	Total Weight	Total Declared Value†	Total Charges
2	80	$ .00	

Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See back for details.

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com or call 1-800-Go-FedEx® (800)463-3339.

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404

00010

Inorganic Qualifiers

Inorganic Data Reporting Qualifiers

The following qualifiers are used by the laboratory when reporting results of inorganic analyses.

- Result qualifier -- A "B" is entered if the reported value was obtained from a reading that was less than the Practical Quantitation Limit but greater than or equal to the Method Detection Limit (MDL). If the analyte was analyzed for but not detected a "U" is entered.

- QC qualifier -- Specified entries and their meanings are as follows:

  E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

  M - Duplicate injection precision was not met.

  N - Spiked sample recovery not within control limits. A post spike is analyzed for all 6010B analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

  * - Duplicate analysis (relative percent difference) not within control limits.

Sample Results

Total Recoverable ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3045
Lab ID: 0110024-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 16-Oct-01
Date Analyzed: 17-Oct-01

Prep Batch: IP011016-2
QCBatchID: IP011016-2-2
Run ID: IT011017-1A2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 G
Final Volume: 50 G
Result Units: MG/L
CleanupDF: 1
File Name: TS11017

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.061	0.2	0.016	B	
7440-36-0	ANTIMONY	1	0.0022	0.02	0.0016	B	
7440-38-2	ARSENIC	1	0.0032	0.01	0.0024	B	
7440-39-3	BARIUM	1	0.95	0.1	0.00031		
7440-41-7	BERYLLIUM	1	0.005	0.005	0.00012	U	
7440-43-9	CADMIUM	1	0.005	0.005	0.00013	U	
7440-70-2	CALCIUM	1	220	1	0.004		
7440-47-3	CHROMIUM	1	0.0011	0.01	0.00031	B	
7440-48-4	COBALT	1	0.0011	0.01	0.00017	B	
7440-50-8	COPPER	1	0.036	0.01	0.00072		
7439-89-6	IRON	1	0.14	0.1	0.0076		
7439-92-1	LEAD	1	0.003	0.003	0.0012	U	
7439-95-4	MAGNESIUM	1	58	1	0.0047		
7439-96-5	MANGANESE	1	0.0021	0.01	0.00011	B	
7440-02-0	NICKEL	1	0.012	0.02	0.00066	B	
7440-09-7	POTASSIUM	1	42	1	0.069		
7782-49-2	SELENIUM	1	0.005	0.005	0.0023	U	
7440-22-4	SILVER	1	0.01	0.01	0.00035	U	
7440-23-5	SODIUM	1	64	1	0.054		
7440-28-0	THALLIUM	1	0.0048	0.01	0.0028	B	
7440-62-2	VANADIUM	1	0.00065	0.01	0.00047	B	
7440-66-6	ZINC	1	0.12	0.02	0.00085		

Data Package ID: *IT0110024-1*

Total Recoverable ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3047
Lab ID: 0110024-2

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 16-Oct-01
Date Analyzed: 17-Oct-01

Prep Batch: IP011016-2
QCBatchID: IP011016-2-2
Run ID: IT011017-1A2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 G
Final Volume: 50 G
Result Units: MG/L
CleanupDF: 1
File Name: TS11017

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.034	0.2	0.016	B	
7440-36-0	ANTIMONY	1	0.02	0.02	0.0016	U	
7440-38-2	ARSENIC	1	0.0039	0.01	0.0024	B	
7440-39-3	BARIUM	1	0.025	0.1	0.00031	B	
7440-41-7	BERYLLIUM	1	0.005	0.005	0.00012	U	
7440-43-9	CADMIUM	1	0.005	0.005	0.00013	U	
7440-70-2	CALCIUM	1	470	1	0.004		
7440-47-3	CHROMIUM	1	0.01	0.01	0.00031	U	
7440-48-4	COBALT	1	0.00068	0.01	0.00017	B	
7440-50-8	COPPER	1	0.01	0.01	0.00072	U	
7439-89-6	IRON	1	0.063	0.1	0.0076	B	
7439-92-1	LEAD	1	0.003	0.003	0.0012	U	
7439-95-4	MAGNESIUM	1	140	1	0.0047		
7439-96-5	MANGANESE	1	0.24	0.01	0.00011		
7440-02-0	NICKEL	1	0.0023	0.02	0.00066	B	
7440-09-7	POTASSIUM	1	24	1	0.069		
7782-49-2	SELENIUM	1	0.005	0.005	0.0023	U	
7440-22-4	SILVER	1	0.01	0.01	0.00035	U	
7440-23-5	SODIUM	1	52	1	0.054		
7440-28-0	THALLIUM	1	0.01	0.01	0.0028	U	
7440-62-2	VANADIUM	1	0.01	0.01	0.00047	U	
7440-66-6	ZINC	1	0.005	0.02	0.00085	B	

Data Package ID: *IT0110024-1*

Total Recoverable ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3049
Lab ID: 0110024-3

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 16-Oct-01
Date Analyzed: 17-Oct-01

Prep Batch: IP011016-2
QCBatchID: IP011016-2-2
Run ID: IT011017-1A2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 G
Final Volume: 50 G
Result Units: MG/L
CleanupDF: 1
File Name: TS11017

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.16	0.2	0.016	B	
7440-36-0	ANTIMONY	1	0.02	0.02	0.0016	U	
7440-38-2	ARSENIC	1	0.01	0.01	0.0024	U	
7440-39-3	BARIUM	1	0.041	0.1	0.00031	B	
7440-41-7	BERYLLIUM	1	0.005	0.005	0.00012	U	
7440-43-9	CADMIUM	1	0.005	0.005	0.00013	U	
7440-70-2	CALCIUM	1	80	1	0.004		
7440-47-3	CHROMIUM	1	0.01	0.01	0.00031	U	
7440-48-4	COBALT	1	0.0013	0.01	0.00017	B	
7440-50-8	COPPER	1	0.0058	0.01	0.00072	B	
7439-89-6	IRON	1	6.6	0.1	0.0076		
7439-92-1	LEAD	1	0.003	0.003	0.0012	U	
7439-95-4	MAGNESIUM	1	23	1	0.0047		
7439-96-5	MANGANESE	1	0.84	0.01	0.00011		
7440-02-0	NICKEL	1	0.0032	0.02	0.00066	B	
7440-09-7	POTASSIUM	1	3	1	0.069		
7782-49-2	SELENIUM	1	0.005	0.005	0.0023	U	
7440-22-4	SILVER	1	0.01	0.01	0.00035	U	
7440-23-5	SODIUM	1	6.8	1	0.054		
7440-28-0	THALLIUM	1	0.01	0.01	0.0028	U	
7440-62-2	VANADIUM	1	0.00065	0.01	0.00047	B	
7440-66-6	ZINC	1	0.029	0.02	0.00085		

Data Package ID: *IT0110024-1*

Total Recoverable ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3051
Lab ID: 0110024-4

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 16-Oct-01
Date Analyzed: 17-Oct-01

Prep Batch: IP011016-2
QCBatchID: IP011016-2-2
Run ID: IT011017-1A2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 G
Final Volume: 50 G
Result Units: MG/L
CleanupDF: 1
File Name: TS11017

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.2	0.2	0.016	U	
7440-36-0	ANTIMONY	1	0.02	0.02	0.0016	U	
7440-38-2	ARSENIC	1	0.01	0.01	0.0024	U	
7440-39-3	BARIUM	1	0.2	0.1	0.00031		
7440-41-7	BERYLLIUM	1	0.005	0.005	0.00012	U	
7440-43-9	CADMIUM	1	0.005	0.005	0.00013	U	
7440-70-2	CALCIUM	1	130	1	0.004		
7440-47-3	CHROMIUM	1	0.01	0.01	0.00031	U	
7440-48-4	COBALT	1	0.0013	0.01	0.00017	B	
7440-50-8	COPPER	1	0.01	0.01	0.00072	U	
7439-89-6	IRON	1	0.71	0.1	0.0076		
7439-92-1	LEAD	1	0.003	0.003	0.0012	U	
7439-95-4	MAGNESIUM	1	76	1	0.0047		
7439-96-5	MANGANESE	1	0.083	0.01	0.00011		
7440-02-0	NICKEL	1	0.0052	0.02	0.00066	B	
7440-09-7	POTASSIUM	1	20	1	0.069		
7782-49-2	SELENIUM	1	0.005	0.005	0.0023	U	
7440-22-4	SILVER	1	0.01	0.01	0.00035	U	
7440-23-5	SODIUM	1	96	1	0.054		
7440-28-0	THALLIUM	1	0.01	0.01	0.0028	U	
7440-62-2	VANADIUM	1	0.01	0.01	0.00047	U	
7440-66-6	ZINC	1	0.0066	0.02	0.00085	B	

Data Package ID: *IT0110024-1*

Dissolved ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3045
Lab ID: 0110024-6

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 16-Oct-01
Date Analyzed: 17-Oct-01

Prep Batch: IP011016-2
QCBatchID: IP011016-2-2
Run ID: IT011017-1A2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 G
Final Volume: 50 G
Result Units: MG/L
CleanupDF: 1
File Name: TS11017

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.2	0.2	0.016	U	
7440-36-0	ANTIMONY	1	0.02	0.02	0.0016	U	
7440-38-2	ARSENIC	1	0.01	0.01	0.0024	U	
7440-39-3	BARIUM	1	0.98	0.1	0.00031		
7440-41-7	BERYLLIUM	1	0.005	0.005	0.00012	U	
7440-43-9	CADMIUM	1	0.005	0.005	0.00013	U	
7440-70-2	CALCIUM	1	210	1	0.004		
7440-47-3	CHROMIUM	1	0.0004	0.01	0.00031	B	
7440-48-4	COBALT	1	0.00039	0.01	0.00017	B	
7440-50-8	COPPER	1	0.01	0.01	0.00072	U	
7439-89-6	IRON	1	0.034	0.1	0.0076	B	
7439-92-1	LEAD	1	0.003	0.003	0.0012	U	
7439-95-4	MAGNESIUM	1	78	1	0.0047		
7439-96-5	MANGANESE	1	0.0029	0.01	0.00011	B	
7440-02-0	NICKEL	1	0.0074	0.02	0.00066	B	
7440-09-7	POTASSIUM	1	43	1	0.069		
7782-49-2	SELENIUM	1	0.005	0.005	0.0023	U	
7440-22-4	SILVER	1	0.01	0.01	0.00035	U	
7440-23-5	SODIUM	1	84	1	0.054		
7440-28-0	THALLIUM	1	0.01	0.01	0.0028	U	
7440-62-2	VANADIUM	1	0.01	0.01	0.00047	U	
7440-66-6	ZINC	1	0.02	0.02	0.00085	U	

Data Package ID: *IT0110024-1*

Dissolved ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3047
Lab ID: 0110024-7

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 16-Oct-01
Date Analyzed: 17-Oct-01

Prep Batch: IP011016-2
QCBatchID: IP011016-2-2
Run ID: IT011017-1A2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 G
Final Volume: 50 G
Result Units: MG/L
CleanupDF: 1
File Name: TS11017

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.2	0.2	0.016	U	
7440-36-0	ANTIMONY	1	0.02	0.02	0.0016	U	
7440-38-2	ARSENIC	1	0.0061	0.01	0.0024	B	
7440-39-3	BARIUM	1	0.028	0.1	0.00031	B	
7440-41-7	BERYLLIUM	1	0.005	0.005	0.00012	U	
7440-43-9	CADMIUM	1	0.005	0.005	0.00013	U	
7440-70-2	CALCIUM	1	470	1	0.004		
7440-47-3	CHROMIUM	1	0.01	0.01	0.00031	U	
7440-48-4	COBALT	1	0.00031	0.01	0.00017	B	
7440-50-8	COPPER	1	0.01	0.01	0.00072	U	
7439-89-6	IRON	1	0.022	0.1	0.0076	B	
7439-92-1	LEAD	1	0.003	0.003	0.0012	U	
7439-95-4	MAGNESIUM	1	140	1	0.0047		
7439-96-5	MANGANESE	1	0.28	0.01	0.00011		
7440-02-0	NICKEL	1	0.0024	0.02	0.00066	B	
7440-09-7	POTASSIUM	1	26	1	0.069		
7782-49-2	SELENIUM	1	0.005	0.005	0.0023	U	
7440-22-4	SILVER	1	0.01	0.01	0.00035	U	
7440-23-5	SODIUM	1	53	1	0.054		
7440-28-0	THALLIUM	1	0.01	0.01	0.0028	U	
7440-62-2	VANADIUM	1	0.01	0.01	0.00047	U	
7440-66-6	ZINC	1	0.0039	0.02	0.00085	B	

Data Package ID: *IT0110024-1*

Dissolved ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3049
Lab ID: 0110024-8

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 16-Oct-01
Date Analyzed: 17-Oct-01

Prep Batch: IP011016-2
QCBatchID: IP011016-2-2
Run ID: IT011017-1A2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 G
Final Volume: 50 G
Result Units: MG/L
CleanupDF: 1
File Name: TS11017

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.2	0.2	0.016	U	
7440-36-0	ANTIMONY	1	0.02	0.02	0.0016	U	
7440-38-2	ARSENIC	1	0.01	0.01	0.0024	U	
7440-39-3	BARIUM	1	0.036	0.1	0.00031	B	
7440-41-7	BERYLLIUM	1	0.005	0.005	0.00012	U	
7440-43-9	CADMIUM	1	0.005	0.005	0.00013	U	
7440-70-2	CALCIUM	1	72	1	0.004		
7440-47-3	CHROMIUM	1	0.01	0.01	0.00031	U	
7440-48-4	COBALT	1	0.00021	0.01	0.00017	B	
7440-50-8	COPPER	1	0.01	0.01	0.00072	U	
7439-89-6	IRON	1	5.3	0.1	0.0076		
7439-92-1	LEAD	1	0.003	0.003	0.0012	U	
7439-95-4	MAGNESIUM	1	20	1	0.0047		
7439-96-5	MANGANESE	1	0.76	0.01	0.00011		
7440-02-0	NICKEL	1	0.002	0.02	0.00066	B	
7440-09-7	POTASSIUM	1	3	1	0.069		
7782-49-2	SELENIUM	1	0.005	0.005	0.0023	U	
7440-22-4	SILVER	1	0.01	0.01	0.00035	U	
7440-23-5	SODIUM	1	6.9	1	0.054		
7440-28-0	THALLIUM	1	0.01	0.01	0.0028	U	
7440-62-2	VANADIUM	1	0.01	0.01	0.00047	U	
7440-66-6	ZINC	1	0.021	0.02	0.00085		

Data Package ID: *IT0110024-1*

Dissolved ICP Metals

Method SW6010

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3051
Lab ID: 0110024-9

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 16-Oct-01
Date Analyzed: 17-Oct-01

Prep Batch: IP011016-2
QCBatchID: IP011016-2-2
Run ID: IT011017-1A2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 50 G
Final Volume: 50 G
Result Units: MG/L
CleanupDF: 1
File Name: TS11017

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.024	0.2	0.016	B	
7440-36-0	ANTIMONY	1	0.02	0.02	0.0016	U	
7440-38-2	ARSENIC	1	0.01	0.01	0.0024	U	
7440-39-3	BARIUM	1	0.2	0.1	0.00031		
7440-41-7	BERYLLIUM	1	0.005	0.005	0.00012	U	
7440-43-9	CADMIUM	1	0.005	0.005	0.00013	U	
7440-70-2	CALCIUM	1	130	1	0.004		
7440-47-3	CHROMIUM	1	0.01	0.01	0.00031	U	
7440-48-4	COBALT	1	0.0002	0.01	0.00017	B	
7440-50-8	COPPER	1	0.01	0.01	0.00072	U	
7439-89-6	IRON	1	0.66	0.1	0.0076		
7439-92-1	LEAD	1	0.003	0.003	0.0012	U	
7439-95-4	MAGNESIUM	1	77	1	0.0047		
7439-96-5	MANGANESE	1	0.081	0.01	0.00011		
7440-02-0	NICKEL	1	0.0014	0.02	0.00066	B	
7440-09-7	POTASSIUM	1	20	1	0.069		
7782-49-2	SELENIUM	1	0.005	0.005	0.0023	U	
7440-22-4	SILVER	1	0.01	0.01	0.00035	U	
7440-23-5	SODIUM	1	98	1	0.054		
7440-28-0	THALLIUM	1	0.01	0.01	0.0028	U	
7440-62-2	VANADIUM	1	0.01	0.01	0.00047	U	
7440-66-6	ZINC	1	0.0042	0.02	0.00085	B	

Data Package ID: *IT0110024-1*

Total Recoverable MERCURY

Method SW7470

Sample Results

Lab Name: Paragon Analytics, Inc.
Client Name: IT Corporation
Client Project ID: PLUMBROOK ORDINACE WORKS 825635
Work Order Number: 0110024 **Final Volume:** 20 G
Reporting Basis: As Received **Matrix:** WATER
Result Units: MG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	MDL	Flag	Sample Aliquot
BD3045	0110024-1	10/4/2001	10/11/2001	10/12/2001	N/A	1	0.0002	0.0002	0.000012	U	20 G
BD3047	0110024-2	10/4/2001	10/11/2001	10/12/2001	N/A	1	0.0002	0.0002	0.000012	U	20 G
BD3049	0110024-3	10/4/2001	10/11/2001	10/12/2001	N/A	1	0.0002	0.0002	0.000012	U	20 G
BD3051	0110024-4	10/4/2001	10/11/2001	10/12/2001	N/A	1	0.0002	0.0002	0.000012	U	20 G

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *HG0110024-1*

Dissolved MERCURY

Method SW7470

Sample Results

Lab Name: Paragon Analytics, Inc.
Client Name: IT Corporation
Client Project ID: PLUMBROOK ORDINACE WORKS 825635
Work Order Number: 0110024 **Final Volume:** 20 G
Reporting Basis: As Received **Matrix:** WATER
Result Units: MG/L

Client Sample ID	Lab ID	Date Collected	Date Prepared	Date Analyzed	Percent Moisture	Dilution Factor	Result	Reporting Limit	MDL	Flag	Sample Aliquot
BD3045	0110024-6	10/4/2001	10/11/2001	10/12/2001	N/A	1	0.0002	0.0002	0.000012	U	20 G
BD3047	0110024-7	10/4/2001	10/11/2001	10/12/2001	N/A	1	0.0002	0.0002	0.000012	U	20 G
BD3049	0110024-8	10/4/2001	10/11/2001	10/12/2001	N/A	1	0.0002	0.0002	0.000012	U	20 G
BD3051	0110024-9	10/4/2001	10/11/2001	10/12/2001	N/A	1	0.0002	0.0002	0.000012	U	20 G

Comments:

1. ND or U = Not Detected at or above the client requested detection limit.

Data Package ID: *HG0110024-1*

Summary Report Forms

ICP Metals

Method SW6010

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: IP011016-2MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/16/2001
Date Analyzed: 10/17/2001

Prep Batch: IP011016-2
QCBatchID: IP011016-2-2
Run ID: IT011017-1A2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 50 G
Final Volume: 50 G
Result Units: MG/L
CleanupDF: 1
File Name: TS11017

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7429-90-5	ALUMINUM	1	0.2	0.2	0.016	U	
7440-36-0	ANTIMONY	1	0.02	0.02	0.0016	U	
7440-38-2	ARSENIC	1	0.01	0.01	0.0024	U	
7440-39-3	BARIUM	1	-0.00055	0.1	0.00031	B	
7440-41-7	BERYLLIUM	1	0.005	0.005	0.00012	U	
7440-43-9	CADMIUM	1	0.005	0.005	0.00013	U	
7440-70-2	CALCIUM	1	0.11	1	0.004	B	
7440-47-3	CHROMIUM	1	-0.0007	0.01	0.00031	B	
7440-48-4	COBALT	1	0.01	0.01	0.00017	U	
7440-50-8	COPPER	1	0.01	0.01	0.00072	U	
7439-89-6	IRON	1	0.02	0.1	0.0076	B	
7439-92-1	LEAD	1	0.003	0.003	0.0012	U	
7439-95-4	MAGNESIUM	1	0.0087	1	0.0047	B	
7439-96-5	MANGANESE	1	-0.00022	0.01	0.00011	B	
7440-02-0	NICKEL	1	0.02	0.02	0.00066	U	
7440-09-7	POTASSIUM	1	0.37	1	0.069	B	
7782-49-2	SELENIUM	1	0.005	0.005	0.0023	U	
7440-22-4	SILVER	1	0.01	0.01	0.00035	U	
7440-23-5	SODIUM	1	0.15	1	0.054	B	
7440-28-0	THALLIUM	1	0.01	0.01	0.0028	U	
7440-62-2	VANADIUM	1	0.01	0.01	0.00047	U	
7440-66-6	ZINC	1	0.02	0.02	0.00085	U	

Data Package ID: *IT0110024-1*

ICP Metals

Method SW6010

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: IP011016-2LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/16/2001
Date Analyzed: 10/17/2001

Prep Batch: IP011016-2
QCBatchID: IP011016-2-2
Run ID: IT011017-1A2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 50 G
Final Volume: 50 G
Result Units: MG/L
CleanupDF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7429-90-5	ALUMINUM	2	1.93	0.2		96	80 - 120%
7440-36-0	ANTIMONY	0.5	0.474	0.02		95	80 - 120%
7440-38-2	ARSENIC	2	2.02	0.01		101	80 - 120%
7440-39-3	BARIUM	2	1.89	0.1		95	80 - 120%
7440-41-7	BERYLLIUM	0.05	0.0505	0.005		101	80 - 120%
7440-43-9	CADMIUM	0.05	0.0502	0.005		100	80 - 120%
7440-70-2	CALCIUM	40	39.1	1		98	80 - 120%
7440-47-3	CHROMIUM	0.2	0.19	0.01		95	80 - 120%
7440-48-4	COBALT	0.5	0.483	0.01		97	80 - 120%
7440-50-8	COPPER	0.25	0.238	0.01		95	80 - 120%
7439-89-6	IRON	1	0.891	0.1		89	80 - 120%
7439-92-1	LEAD	0.5	0.487	0.003		97	80 - 120%
7439-95-4	MAGNESIUM	40	39.2	1		98	80 - 120%
7439-96-5	MANGANESE	0.5	0.482	0.01		97	80 - 120%
7440-02-0	NICKEL	0.5	0.491	0.02		98	80 - 120%
7440-09-7	POTASSIUM	40	37.3	1		93	80 - 120%
7782-49-2	SELENIUM	2	2.11	0.005		106	80 - 120%
7440-22-4	SILVER	0.05	0.0484	0.01		97	80 - 120%
7440-23-5	SODIUM	40	36.2	1		91	80 - 120%
7440-28-0	THALLIUM	2	2	0.01		100	80 - 120%
7440-62-2	VANADIUM	0.5	0.489	0.01		98	80 - 120%
7440-66-6	ZINC	0.5	0.507	0.02		102	80 - 120%

Data Package ID: *IT0110024-1*

ICP Metals

Method SW6010

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: IP011016-2LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/16/2001
Date Analyzed: 10/17/2001

Prep Batch: IP011016-2
QCBatchID: IP011016-2-2
Run ID: IT011017-1A2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 50 G
Final Volume: 50 G
Result Units: MG/L
CleanupDF: 1

Lab ID: IP011016-2LCSD

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
7429-90-5	ALUMINUM	2	1.94	0.2	97		1	20
7440-36-0	ANTIMONY	0.5	0.472	0.02	95		0	20
7440-38-2	ARSENIC	2	2.03	0.01	102		1	20
7440-39-3	BARIUM	2	1.9	0.1	95		0	20
7440-41-7	BERYLLIUM	0.05	0.0509	0.005	102		1	20
7440-43-9	CADMIUM	0.05	0.0505	0.005	101		1	20
7440-70-2	CALCIUM	40	39.2	1	98		0	20
7440-47-3	CHROMIUM	0.2	0.19	0.01	95		0	20
7440-48-4	COBALT	0.5	0.486	0.01	97		1	20
7440-50-8	COPPER	0.25	0.239	0.01	96		1	20
7439-89-6	IRON	1	0.89	0.1	89		0	20
7439-92-1	LEAD	0.5	0.488	0.003	98		0	20
7439-95-4	MAGNESIUM	40	39.3	1	98		0	20
7439-96-5	MANGANESE	0.5	0.485	0.01	97		1	20
7440-02-0	NICKEL	0.5	0.493	0.02	99		1	20
7440-09-7	POTASSIUM	40	37.3	1	93		0	20
7782-49-2	SELENIUM	2	2.11	0.005	106		0	20
7440-22-4	SILVER	0.05	0.0469	0.01	94		3	20
7440-23-5	SODIUM	40	36.2	1	91		0	20
7440-28-0	THALLIUM	2	2	0.01	100		0	20
7440-62-2	VANADIUM	0.5	0.49	0.01	98		0	20
7440-66-6	ZINC	0.5	0.51	0.02	102		1	20

Data Package ID: *IT0110024-1*

Mercury

Method SW7470

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: HG011011-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/11/2001
Date Analyzed: 10/12/2001

Prep Batch: HG011011-1
QCBatchID: HG011011-1-2
Run ID: HG011012-1A2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 20 G
Final Volume: 20 G
Result Units: MG/L
CleanupDF: 1
File Name: 1012WATR

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
7439-97-6	MERCURY	1	-0.000036	0.0002	0.000012	B	

Data Package ID: *HG0110024-1*

Mercury

Method SW7470

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: HG011011-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/11/2001
Date Analyzed: 10/12/2001

Prep Batch: HG011011-1
QCBatchID: HG011011-1-2
Run ID: HG011012-1A2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 20 G
Final Volume: 20 G
Result Units: MG/L
CleanupDF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
7439-97-6	MERCURY	0.001	0.000984	0.0002		98	80 - 120%

Lab ID: HG011011-1LCSD

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
7439-97-6	MERCURY	0.001	0.001	0.0002	100		2	20

Data Package ID: *HG0110024-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3049
Lab ID: 0110024-3

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1
File Name: A15900

78-87-5	1,2-DICHLOROPROPANE	1	5	5	0.69	U	
74-95-3	DIBROMOMETHANE	1	5	5	0.75	U	
75-27-4	BROMODICHLOROMETHANE	1	5	5	0.65	U	
110-75-8	2-CHLOROETHYL VINYL ETHER	1	10	10	3.5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	5	5	0.66	U	
108-10-1	4-METHYL-2-PENTANONE	1	20	20	4.3	U	
108-88-3	TOLUENE	1	1.4	5	0.47	J	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	5	5	0.45	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	5	5	1	U	
591-78-6	2-HEXANONE	1	20	20	4.9	U	
127-18-4	TETRACHLOROETHENE	1	5	5	0.8	U	
142-28-9	1,3-DICHLOROPROPANE	1	5	5	0.73	U	
124-48-1	DIBROMOCHLOROMETHANE	1	5	5	0.82	U	
106-93-4	1,2-DIBROMOETHANE	1	5	5	1	U	
544-10-5	1-CHLOROHEXANE	1	5	5	0.9	U	
108-90-7	CHLOROBENZENE	1	5	5	0.64	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	5	5	0.58	U	
100-41-4	ETHYLBENZENE	1	5	5	0.57	U	
136777-61-	M+P-XYLENE	1	5	5	1.4	U	
95-47-6	O-XYLENE	1	5	5	0.67	U	
100-42-5	STYRENE	1	5	5	0.67	U	
75-25-2	BROMOFORM	1	5	5	0.45	U	
98-82-8	ISOPROPYLBENZENE	1	5	5	0.84	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	5	5	1.1	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	5	5	0.92	U	
108-86-1	BROMOBENZENE	1	5	5	0.95	U	
103-65-1	N-PROPYLBENZENE	1	5	5	0.84	U	
95-49-8	2-CHLOROTOLUENE	1	5	5	0.77	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	5	5	0.92	U	
106-43-4	4-CHLOROTOLUENE	1	5	5	0.81	U	
98-06-6	TERT-BUTYLBENZENE	1	5	5	0.85	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	5	5	0.87	U	

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3049
Lab ID: 0110024-3

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1
File Name: A15900

135-98-8	SEC-BUTYLBENZENE	1	5	5	0.75	U	
541-73-1	1,3-DICHLOROBENZENE	1	5	5	0.89	U	
99-87-6	P-ISOPROPYLTOLUENE	1	5	5	0.85	U	
106-46-7	1,4-DICHLOROBENZENE	1	5	5	0.81	U	
104-51-8	N-BUTYLBENZENE	1	5	5	0.88	U	
95-50-1	1,2-DICHLOROBENZENE	1	5	5	0.87	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	10	10	1.3	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	5	5	0.86	U	
87-68-3	HEXACHLOROBUTADIENE	1	5	5	0.88	U	
91-20-3	NAPHTHALENE	1	5	5	0.86	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	5	5	1	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	52.2		50	104	82 - 123
1868-53-7	DIBROMOFLUOROMETHANE	50		50	100	75 - 127
2037-26-5	TOLUENE-D8	51.7		50	103	89 - 116

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3051
Lab ID: 0110024-4

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1
File Name: A15901

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	10	10	0.81	U	
74-87-3	CHLOROMETHANE	1	10	10	0.54	U	
75-01-4	VINYL CHLORIDE	1	10	10	0.86	U	
74-83-9	BROMOMETHANE	1	10	10	1.7	U	
75-00-3	CHLOROETHANE	1	10	10	1.2	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	5	5	1.2	U	
107-02-8	ACROLEIN	1	50	50	11	U	
75-35-4	1,1-DICHLOROETHENE	1	5	5	0.92	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	1	5	5	1.2	U	
67-64-1	ACETONE	1	20	20	7.7	U	
74-88-4	IODOMETHANE	1	5	5	2.8	U	
75-15-0	CARBON DISULFIDE	1	0.96	5	0.85	J	
75-09-2	METHYLENE CHLORIDE	1	2.3	5	0.6	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	5	5	0.78	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	5	5	0.8	U	
107-13-1	ACRYLONITRILE	1	50	50	10	U	
75-34-3	1,1-DICHLOROETHANE	1	5	5	0.45	U	
108-05-4	VINYL ACETATE	1	20	20	1.2	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	5	5	0.54	U	
78-93-3	2-BUTANONE	1	20	20	5.2	U	
74-97-5	BROMOCHLOROMETHANE	1	5	5	0.69	U	
67-66-3	CHLOROFORM	1	1.1	5	0.68	J	
71-55-6	1,1,1-TRICHLOROETHANE	1	5	5	0.74	U	
594-20-7	2,2-DICHLOROPROPANE	1	5	5	0.78	U	
56-23-5	CARBON TETRACHLORIDE	1	5	5	0.7	U	
563-58-6	1,1-DICHLOROPROPENE	1	5	5	0.56	U	
107-06-2	1,2-DICHLOROETHANE	1	5	5	0.47	U	
71-43-2	BENZENE	1	0.46	5	0.44	J	
79-01-6	TRICHLOROETHENE	1	5	5	0.8	U	

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3051
Lab ID: 0110024-4

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1
File Name: A15901

78-87-5	1,2-DICHLOROPROPANE	1	5	5	0.69	U	
74-95-3	DIBROMOMETHANE	1	5	5	0.75	U	
75-27-4	BROMODICHLOROMETHANE	1	5	5	0.65	U	
110-75-8	2-CHLOROETHYL VINYL ETHER	1	10	10	3.5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	5	5	0.66	U	
108-10-1	4-METHYL-2-PENTANONE	1	20	20	4.3	U	
108-88-3	TOLUENE	1	0.93	5	0.47	J	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	5	5	0.45	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	5	5	1	U	
591-78-6	2-HEXANONE	1	20	20	4.9	U	
127-18-4	TETRACHLOROETHENE	1	5	5	0.8	U	
142-28-9	1,3-DICHLOROPROPANE	1	5	5	0.73	U	
124-48-1	DIBROMOCHLOROMETHANE	1	5	5	0.82	U	
106-93-4	1,2-DIBROMOETHANE	1	5	5	1	U	
544-10-5	1-CHLOROHEXANE	1	5	5	0.9	U	
108-90-7	CHLOROBENZENE	1	5	5	0.64	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	5	5	0.58	U	
100-41-4	ETHYLBENZENE	1	5	5	0.57	U	
136777-61-	M+P-XYLENE	1	5	5	1.4	U	
95-47-6	O-XYLENE	1	5	5	0.67	U	
100-42-5	STYRENE	1	5	5	0.67	U	
75-25-2	BROMOFORM	1	5	5	0.45	U	
98-82-8	ISOPROPYLBENZENE	1	5	5	0.84	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	5	5	1.1	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	5	5	0.92	U	
108-86-1	BROMOBENZENE	1	5	5	0.95	U	
103-65-1	N-PROPYLBENZENE	1	5	5	0.84	U	
95-49-8	2-CHLOROTOLUENE	1	5	5	0.77	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	5	5	0.92	U	
106-43-4	4-CHLOROTOLUENE	1	5	5	0.81	U	
98-06-6	TERT-BUTYLBENZENE	1	5	5	0.85	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	5	5	0.87	U	

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3051
Lab ID: 0110024-4

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1
File Name: A15901

135-98-8	SEC-BUTYLBENZENE	1	5	5	0.75	U	
541-73-1	1,3-DICHLOROBENZENE	1	5	5	0.89	U	
99-87-6	P-ISOPROPYLTOLUENE	1	5	5	0.85	U	
106-46-7	1,4-DICHLOROBENZENE	1	5	5	0.81	U	
104-51-8	N-BUTYLBENZENE	1	5	5	0.88	U	
95-50-1	1,2-DICHLOROBENZENE	1	5	5	0.87	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	10	10	1.3	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	5	5	0.86	U	
87-68-3	HEXACHLOROBUTADIENE	1	5	5	0.88	U	
91-20-3	NAPHTHALENE	1	5	5	0.86	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	5	5	1	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	53.4		50	107	82 - 123
1868-53-7	DIBROMOFLUOROMETHANE	52.2		50	104	75 - 127
2037-26-5	TOLUENE-D8	53.7		50	107	89 - 116

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: TB100501B
Lab ID: 0110024-5

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1
File Name: A15903

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	10	10	0.81	U	
74-87-3	CHLOROMETHANE	1	10	10	0.54	U	
75-01-4	VINYL CHLORIDE	1	10	10	0.86	U	
74-83-9	BROMOMETHANE	1	10	10	1.7	U	
75-00-3	CHLOROETHANE	1	10	10	1.2	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	5	5	1.2	U	
107-02-8	ACROLEIN	1	50	50	11	U	
75-35-4	1,1-DICHLOROETHENE	1	5	5	0.92	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	1	5	5	1.2	U	
67-64-1	ACETONE	1	7.8	20	7.7	J	
74-88-4	IODOMETHANE	1	5	5	2.8	U	
75-15-0	CARBON DISULFIDE	1	5	5	0.85	U	
75-09-2	METHYLENE CHLORIDE	1	2.5	5	0.6	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	5	5	0.78	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	5	5	0.8	U	
107-13-1	ACRYLONITRILE	1	50	50	10	U	
75-34-3	1,1-DICHLOROETHANE	1	5	5	0.45	U	
108-05-4	VINYL ACETATE	1	20	20	1.2	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	5	5	0.54	U	
78-93-3	2-BUTANONE	1	20	20	5.2	U	
74-97-5	BROMOCHLOROMETHANE	1	5	5	0.69	U	
67-66-3	CHLOROFORM	1	5	5	0.68	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	5	5	0.74	U	
594-20-7	2,2-DICHLOROPROPANE	1	5	5	0.78	U	
56-23-5	CARBON TETRACHLORIDE	1	5	5	0.7	U	
563-58-6	1,1-DICHLOROPROPENE	1	5	5	0.56	U	
107-06-2	1,2-DICHLOROETHANE	1	5	5	0.47	U	
71-43-2	BENZENE	1	5	5	0.44	U	
79-01-6	TRICHLOROETHENE	1	5	5	0.8	U	

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: TB100501B
Lab ID: 0110024-5

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1
File Name: A15903

78-87-5	1,2-DICHLOROPROPANE	1	5	5	0.69	U	
74-95-3	DIBROMOMETHANE	1	5	5	0.75	U	
75-27-4	BROMODICHLOROMETHANE	1	5	5	0.65	U	
110-75-8	2-CHLOROETHYL VINYL ETHER	1	10	10	3.5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	5	5	0.66	U	
108-10-1	4-METHYL-2-PENTANONE	1	20	20	4.3	U	
108-88-3	TOLUENE	1	5	5	0.47	U	
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	5	5	0.45	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	5	5	1	U	
591-78-6	2-HEXANONE	1	20	20	4.9	U	
127-18-4	TETRACHLOROETHENE	1	5	5	0.8	U	
142-28-9	1,3-DICHLOROPROPANE	1	5	5	0.73	U	
124-48-1	DIBROMOCHLOROMETHANE	1	5	5	0.82	U	
106-93-4	1,2-DIBROMOETHANE	1	5	5	1	U	
544-10-5	1-CHLOROHEXANE	1	5	5	0.9	U	
108-90-7	CHLOROBENZENE	1	5	5	0.64	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	5	5	0.58	U	
100-41-4	ETHYLBENZENE	1	5	5	0.57	U	
136777-61-	M+P-XYLENE	1	5	5	1.4	U	
95-47-6	O-XYLENE	1	5	5	0.67	U	
100-42-5	STYRENE	1	5	5	0.67	U	
75-25-2	BROMOFORM	1	5	5	0.45	U	
98-82-8	ISOPROPYLBENZENE	1	5	5	0.84	U	
96-18-4	1,2,3-TRICHLOROPROPANE	1	5	5	1.1	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	5	5	0.92	U	
108-86-1	BROMOBENZENE	1	5	5	0.95	U	
103-65-1	N-PROPYLBENZENE	1	5	5	0.84	U	
95-49-8	2-CHLOROTOLUENE	1	5	5	0.77	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	5	5	0.92	U	
106-43-4	4-CHLOROTOLUENE	1	5	5	0.81	U	
98-06-6	TERT-BUTYLBENZENE	1	5	5	0.85	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	5	5	0.87	U	

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: TB100501B
Lab ID: 0110024-5

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 05-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1
File Name: A15903

135-98-8	SEC-BUTYLBENZENE	1	5	5	0.75	U	
541-73-1	1,3-DICHLOROBENZENE	1	5	5	0.89	U	
99-87-6	P-ISOPROPYLTOLUENE	1	5	5	0.85	U	
106-46-7	1,4-DICHLOROBENZENE	1	5	5	0.81	U	
104-51-8	N-BUTYLBENZENE	1	5	5	0.88	U	
95-50-1	1,2-DICHLOROBENZENE	1	5	5	0.87	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	10	10	1.3	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	5	5	0.86	U	
87-68-3	HEXACHLOROBUTADIENE	1	5	5	0.88	U	
91-20-3	NAPHTHALENE	1	5	5	0.86	U	
87-61-6	1,2,3-TRICHLOROBENZENE	1	5	5	1	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	45.4		50	91	82 - 123
1868-53-7	DIBROMOFLUOROMETHANE	44.4		50	89	75 - 127
2037-26-5	TOLUENE-D8	45.3		50	91	89 - 116

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3045
Lab ID: 0110024-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1
File Name: A15904

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
75-71-8	DICHLORODIFLUOROMETHANE	1	10	10	0.81	U	
74-87-3	CHLOROMETHANE	1	10	10	0.54	U	
75-01-4	VINYL CHLORIDE	1	10	10	0.86	U	
74-83-9	BROMOMETHANE	1	10	10	1.7	U	
75-00-3	CHLOROETHANE	1	10	10	1.2	U	
75-69-4	TRICHLOROFLUOROMETHANE	1	5	5	1.2	U	
107-02-8	ACROLEIN	1	50	50	11	U	
75-35-4	1,1-DICHLOROETHENE	1	5	5	0.92	U	
76-13-1	TRICHLOROTRIFLUOROETHANE	1	5	5	1.2	U	
67-64-1	ACETONE	1	78	20	7.7		
74-88-4	IODOMETHANE	1	5	5	2.8	U	
75-15-0	CARBON DISULFIDE	1	4.9	5	0.85	J	
75-09-2	METHYLENE CHLORIDE	1	2	5	0.6	J,B	
156-60-5	TRANS-1,2-DICHLOROETHENE	1	5	5	0.78	U	
1634-04-4	METHYL TERTIARY BUTYL ETHER	1	5	5	0.8	U	
107-13-1	ACRYLONITRILE	1	50	50	10	U	
75-34-3	1,1-DICHLOROETHANE	1	5	5	0.45	U	
108-05-4	VINYL ACETATE	1	20	20	1.2	U	
156-59-2	CIS-1,2-DICHLOROETHENE	1	5	5	0.54	U	
78-93-3	2-BUTANONE	1	11	20	5.2	J	
74-97-5	BROMOCHLOROMETHANE	1	5	5	0.69	U	
67-66-3	CHLOROFORM	1	5	5	0.68	U	
71-55-6	1,1,1-TRICHLOROETHANE	1	5	5	0.74	U	
594-20-7	2,2-DICHLOROPROPANE	1	5	5	0.78	U	
56-23-5	CARBON TETRACHLORIDE	1	5	5	0.7	U	
563-58-6	1,1-DICHLOROPROPENE	1	5	5	0.56	U	
107-06-2	1,2-DICHLOROETHANE	1	5	5	0.47	U	
71-43-2	BENZENE	1	49	5	0.44		
79-01-6	TRICHLOROETHENE	1	5	5	0.8	U	

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3045
Lab ID: 0110024-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1
File Name: A15904

78-87-5	1,2-DICHLOROPROPANE	1	5	5	0.69	U	
74-95-3	DIBROMOMETHANE	1	5	5	0.75	U	
75-27-4	BROMODICHLOROMETHANE	1	5	5	0.65	U	
110-75-8	2-CHLOROETHYL VINYL ETHER	1	10	10	3.5	U	
10061-01-5	CIS-1,3-DICHLOROPROPENE	1	5	5	0.66	U	
108-10-1	4-METHYL-2-PENTANONE	1	20	20	4.3	U	
108-88-3	TOLUENE	1	21	5	0.47		
10061-02-6	TRANS-1,3-DICHLOROPROPENE	1	5	5	0.45	U	
79-00-5	1,1,2-TRICHLOROETHANE	1	5	5	1	U	
591-78-6	2-HEXANONE	1	20	20	4.9	U	
127-18-4	TETRACHLOROETHENE	1	5	5	0.8	U	
142-28-9	1,3-DICHLOROPROPANE	1	5	5	0.73	U	
124-48-1	DIBROMOCHLOROMETHANE	1	5	5	0.82	U	
106-93-4	1,2-DIBROMOETHANE	1	5	5	1	U	
544-10-5	1-CHLOROHEXANE	1	5	5	0.9	U	
108-90-7	CHLOROBENZENE	1	5	5	0.64	U	
630-20-6	1,1,1,2-TETRACHLOROETHANE	1	5	5	0.58	U	
100-41-4	ETHYLBENZENE	1	16	5	0.57		
136777-61-	M+P-XYLENE	1	120	5	1.4		
95-47-6	O-XYLENE	1	41	5	0.67		
100-42-5	STYRENE	1	5	5	0.67	U	
75-25-2	BROMOFORM	1	5	5	0.45	U	
98-82-8	ISOPROPYLBENZENE	1	5.5	5	0.84		
96-18-4	1,2,3-TRICHLOROPROPANE	1	5	5	1.1	U	
79-34-5	1,1,2,2-TETRACHLOROETHANE	1	5	5	0.92	U	
108-86-1	BROMOBENZENE	1	5	5	0.95	U	
103-65-1	N-PROPYLBENZENE	1	6.8	5	0.84		
95-49-8	2-CHLOROTOLUENE	1	5	5	0.77	U	
108-67-8	1,3,5-TRIMETHYLBENZENE	1	17	5	0.92		
106-43-4	4-CHLOROTOLUENE	1	5	5	0.81	U	
98-06-6	TERT-BUTYLBENZENE	1	5	5	0.85	U	
95-63-6	1,2,4-TRIMETHYLBENZENE	1	71	5	0.87		

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3045
Lab ID: 0110024-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1
File Name: A15904

135-98-8	SEC-BUTYLBENZENE	1	1.7	5	0.75	J	
541-73-1	1,3-DICHLOROBENZENE	1	5	5	0.89	U	
99-87-6	P-ISOPROPYLTOLUENE	1	1.7	5	0.85	J	
106-46-7	1,4-DICHLOROBENZENE	1	5	5	0.81	U	
104-51-8	N-BUTYLBENZENE	1	2	5	0.88	J	
95-50-1	1,2-DICHLOROBENZENE	1	5	5	0.87	U	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	1	10	10	1.3	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	5	5	0.86	U	
87-68-3	HEXACHLOROBUTADIENE	1	5	5	0.88	U	
91-20-3	NAPHTHALENE	1	17	5	0.86		
87-61-6	1,2,3-TRICHLOROBENZENE	1	5	5	1	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	55		50	110	82 - 123
1868-53-7	DIBROMOFLUOROMETHANE	53.3		50	107	75 - 127
2037-26-5	TOLUENE-D8	53.5		50	107	89 - 116

Data Package ID: *VL0110024-1*

Supporting QA/QC Data

Surrogate Summary for GC/MS Volatiles

Method SW8260

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

PrepBatchID: VL011008-1
QC Batch ID: VL011008-1-1
Date Extracted: 10/8/2001

Surrogate Compound	Control Limits Lower	Control Limits Upper
Dibromofluoromethane	75	127
Toluene-d8	89	116
4-Bromofluorobenzene	82	123
1,2-dichloroethane-d4		

Lab ID	Client Sample ID	Date Collected	Date Received	DBFM % Recovery	BZMED8 % Recovery	BR4FBZ % Recovery	12DCED4 % Recovery
0110024-1	BD3045	10/4/2001	10/6/2001	107	107	110	
0110024-1MS	BD3045	10/4/2001	10/6/2001	110	106	110	
0110024-1MSD	BD3045	10/4/2001	10/6/2001	111	108	113	
0110024-1RR1	BD3045	10/4/2001	10/6/2001	102	103	106	
0110024-2	BD3047	10/4/2001	10/6/2001	98	103	108	
0110024-3	BD3049	10/4/2001	10/6/2001	100	103	104	
0110024-4	BD3051	10/4/2001	10/6/2001	104	107	107	
0110024-5	TB100501B	10/5/2001	10/6/2001	89	91	91	
VL011008-1MB	XXXXXXX	NA	XXXXXXX	104	106	107	
VL011008-1LCS	XXXXXXX	NA	XXXXXXX	102	104	105	
VL011008-1LCSD	XXXXXXX	NA	XXXXXXX	109	108	109	

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL011008-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/08/2001
Date Analyzed: 10/08/2001

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
75-71-8	DICHLORODIFLUOROMETHANE	20	15.3	10		76	75 - 125%
74-87-3	CHLOROMETHANE	20	20.2	10		101	75 - 125%
75-01-4	VINYL CHLORIDE	20	21.4	10		107	46 - 134%
74-83-9	BROMOMETHANE	20	22	10		110	72 - 125%
75-00-3	CHLOROETHANE	20	22.9	10		115	65 - 125%
75-69-4	TRICHLOROFLUOROMETHANE	20	22.5	5		113	67 - 125%
75-35-4	1,1-DICHLOROETHENE	20	21.8	5		109	73 - 127%
67-64-1	ACETONE	80	72.9	20		91	50 - 150%
75-09-2	METHYLENE CHLORIDE	20	14.3	5	*	72	75 - 125%
156-60-5	TRANS-1,2-DICHLOROETHENE	20	22.6	5		113	75 - 125%
1634-04-4	METHYL TERTIARY BUTYL ETHER	20	17.9	5		90	50 - 150%
75-34-3	1,1-DICHLOROETHANE	20	20.9	5		105	72 - 125%
156-59-2	CIS-1,2-DICHLOROETHENE	20	21.4	5		107	75 - 125%
78-93-3	2-BUTANONE	80	80.9	20		101	50 - 150%
74-97-5	BROMOCHLOROMETHANE	20	20.5	5		102	73 - 125%
67-66-3	CHLOROFORM	20	20.6	5		103	74 - 125%
71-55-6	1,1,1-TRICHLOROETHANE	20	19.5	5		97	75 - 125%
594-20-7	2,2-DICHLOROPROPANE	20	19.4	5		97	75 - 125%
56-23-5	CARBON TETRACHLORIDE	20	18.9	5		94	62 - 125%
563-58-6	1,1-DICHLOROPROPENE	20	20.9	5		105	75 - 125%
107-06-2	1,2-DICHLOROETHANE	20	19.1	5		96	68 - 127%
71-43-2	BENZENE	20	21.7	5		109	84 - 119%
79-01-6	TRICHLOROETHENE	20	20.8	5		104	85 - 121%
78-87-5	1,2-DICHLOROPROPANE	20	21	5		105	70 - 125%
74-95-3	DIBROMOMETHANE	20	19.9	5		99	69 - 127%
75-27-4	BROMODICHLOROMETHANE	20	20.2	5		101	75 - 125%
110-75-8	2-CHLOROETHYL VINYL ETHER	20	21.9	10		110	30 - 170%
10061-01-5	CIS-1,3-DICHLOROPROPENE	20	20.8	5		104	74 - 125%

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL011008-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/08/2001
Date Analyzed: 10/08/2001

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1

108-10-1	4-METHYL-2-PENTANONE	80	80.8	20		101	50 - 150%
108-88-3	TOLUENE	20	21.8	5		109	83 - 123%
10061-02-6	TRANS-1,3-DICHLOROPROPENE	20	19	5		95	75 - 125%
79-00-5	1,1,2-TRICHLOROETHANE	20	20.1	5		100	75 - 127%
591-78-6	2-HEXANONE	80	78.1	20		98	50 - 150%
127-18-4	TETRACHLOROETHENE	20	20.6	5		103	71 - 125%
142-28-9	1,3-DICHLOROPROPANE	20	20.4	5		102	75 - 125%
124-48-1	DIBROMOCHLOROMETHANE	20	19.2	5		96	73 - 125%
106-93-4	1,2-DIBROMOETHANE	20	20.8	5		104	69 - 127%
544-10-5	1-CHLOROHEXANE	20	21.3	5		107	75 - 125%
108-90-7	CHLOROBENZENE	20	20.5	5		103	85 - 119%
630-20-6	1,1,1,2-TETRACHLOROETHANE	20	20.6	5		103	72 - 125%
100-41-4	ETHYLBENZENE	20	21.1	5		105	75 - 125%
136777-61-	M+P-XYLENE	40	42.7	5		107	75 - 125%
95-47-6	O-XYLENE	20	21.3	5		107	75 - 125%
100-42-5	STYRENE	20	20.5	5		102	75 - 125%
75-25-2	BROMOFORM	20	18.5	5		92	75 - 125%
98-82-8	ISOPROPYLBENZENE	20	20.2	5		101	75 - 125%
96-18-4	1,2,3-TRICHLOROPROPANE	20	19.1	5		96	75 - 125%
79-34-5	1,1,2,2-TETRACHLOROETHANE	20	20.4	5		102	74 - 125%
108-86-1	BROMOBENZENE	20	21	5		105	75 - 125%
103-65-1	N-PROPYLBENZENE	20	21.6	5		108	75 - 125%
95-49-8	2-CHLOROTOLUENE	20	20.7	5		104	73 - 125%
108-67-8	1,3,5-TRIMETHYLBENZENE	20	21.2	5		106	72 - 112%
106-43-4	4-CHLOROTOLUENE	20	20.9	5		104	74 - 125%
98-06-6	TERT-BUTYLBENZENE	20	20.5	5		102	75 - 125%
95-63-6	1,2,4-TRIMETHYLBENZENE	20	22	5		110	75 - 125%
135-98-8	SEC-BUTYLBENZENE	20	20.4	5		102	75 - 125%
541-73-1	1,3-DICHLOROBENZENE	20	19.9	5		100	75 - 125%
99-87-6	P-ISOPROPYLTOLUENE	20	19.8	5		99	75 - 125%
106-46-7	1,4-DICHLOROBENZENE	20	20.4	5		102	75 - 125%

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: *Paragon Analytics, Inc.*
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL011008-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/08/2001
Date Analyzed: 10/08/2001

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1

104-51-8	N-BUTYLBENZENE	20	21.4	5		107	75 - 125%
95-50-1	1,2-DICHLOROBENZENE	20	20.2	5		101	75 - 125%
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	20	17.9	10		89	59 - 125%
120-82-1	1,2,4-TRICHLOROBENZENE	20	19.6	5		98	75 - 125%
87-68-3	HEXACHLOROBUTADIENE	20	18.3	5		92	75 - 125%
91-20-3	NAPHTHALENE	20	20.3	5		101	75 - 125%
87-61-6	1,2,3-TRICHLOROBENZENE	20	20.3	5		101	75 - 137%

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL011008-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/08/2001
Date Analyzed: 10/08/2001

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1

Lab ID: VL011008-1LCSD

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
75-71-8	DICHLORODIFLUOROMETHANE	20	16.2	10	81		6	20
74-87-3	CHLOROMETHANE	20	21.2	10	106		5	20
75-01-4	VINYL CHLORIDE	20	22.5	10	113		5	20
74-83-9	BROMOMETHANE	20	23.4	10	117		6	20
75-00-3	CHLOROETHANE	20	23.9	10	119		4	20
75-69-4	TRICHLOROFLUOROMETHANE	20	23.2	5	116		3	20
75-35-4	1,1-DICHLOROETHENE	20	23.1	5	116		6	20
67-64-1	ACETONE	80	81.3	20	102		11	20
75-09-2	METHYLENE CHLORIDE	20	15.6	5	78		9	20
156-60-5	TRANS-1,2-DICHLOROETHENE	20	24.1	5	120		6	20
1634-04-4	METHYL TERTIARY BUTYL ETHER	20	19.7	5	99		10	20
75-34-3	1,1-DICHLOROETHANE	20	22.2	5	111		6	20
156-59-2	CIS-1,2-DICHLOROETHENE	20	22.8	5	114		6	20
78-93-3	2-BUTANONE	80	92.2	20	115		13	20
74-97-5	BROMOCHLOROMETHANE	20	22.2	5	111		8	20
67-66-3	CHLOROFORM	20	21.8	5	109		6	20
71-55-6	1,1,1-TRICHLOROETHANE	20	20.8	5	104		7	20
594-20-7	2,2-DICHLOROPROPANE	20	20.4	5	102		5	20
56-23-5	CARBON TETRACHLORIDE	20	19.6	5	98		4	20
563-58-6	1,1-DICHLOROPROPENE	20	21.7	5	109		4	20
107-06-2	1,2-DICHLOROETHANE	20	20.3	5	102		6	20
71-43-2	BENZENE	20	22.5	5	113		4	17
79-01-6	TRICHLOROETHENE	20	21.9	5	109		5	18

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL011008-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/08/2001
Date Analyzed: 10/08/2001

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1

78-87-5	1,2-DICHLOROPROPANE	20	22.1	5	111		5	20
74-95-3	DIBROMOMETHANE	20	21.1	5	106		6	20
75-27-4	BROMODICHLOROMETHANE	20	21.6	5	108		7	20
110-75-8	2-CHLOROETHYL VINYL ETHER	20	21.7	10	108		1	20
10061-01-5	CIS-1,3-DICHLOROPROPENE	20	21.9	5	109		5	20
108-10-1	4-METHYL-2-PENTANONE	80	88.8	20	111		10	20
108-88-3	TOLUENE	20	22.7	5	113		4	20
10061-02-6	TRANS-1,3-DICHLOROPROPENE	20	20.4	5	102		7	20
79-00-5	1,1,2-TRICHLOROETHANE	20	21.7	5	108		8	20
591-78-6	2-HEXANONE	80	86.5	20	108		10	20
127-18-4	TETRACHLOROETHENE	20	21.7	5	109		5	20
142-28-9	1,3-DICHLOROPROPANE	20	22	5	110		8	20
124-48-1	DIBROMOCHLOROMETHANE	20	20.3	5	101		5	20
106-93-4	1,2-DIBROMOETHANE	20	22.4	5	112		7	20
544-10-5	1-CHLOROHEXANE	20	22.2	5	111		4	20
108-90-7	CHLOROBENZENE	20	21.5	5	107		4	17
630-20-6	1,1,1,2-TETRACHLOROETHANE	20	21.7	5	109		5	20
100-41-4	ETHYLBENZENE	20	21.9	5	109		4	20
136777-61-	M+P-XYLENE	40	44.6	5	112		4	20
95-47-6	O-XYLENE	20	22.6	5	113		6	20
100-42-5	STYRENE	20	21.5	5	108		5	20
75-25-2	BROMOFORM	20	19.9	5	99		7	20
98-82-8	ISOPROPYLBENZENE	20	20.8	5	104		3	20
96-18-4	1,2,3-TRICHLOROPROPANE	20	20.7	5	104		8	20
79-34-5	1,1,2,2-TETRACHLOROETHANE	20	22	5	110		8	20
108-86-1	BROMOBENZENE	20	22	5	110		5	20
103-65-1	N-PROPYLBENZENE	20	22.3	5	112		3	20
95-49-8	2-CHLOROTOLUENE	20	21.3	5	106		3	20

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: VL011008-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/08/2001
Date Analyzed: 10/08/2001

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: N/A

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L
CleanupDF: 1

108-67-8	1,3,5-TRIMETHYLBENZENE	20	21.8	5	109		3	20
106-43-4	4-CHLOROTOLUENE	20	21.6	5	108		3	20
98-06-6	TERT-BUTYLBENZENE	20	21	5	105		3	20
95-63-6	1,2,4-TRIMETHYLBENZENE	20	22.7	5	114		3	20
135-98-8	SEC-BUTYLBENZENE	20	20.9	5	105		3	20
541-73-1	1,3-DICHLOROBENZENE	20	20.8	5	104		4	20
99-87-6	P-ISOPROPYLTOLUENE	20	20.2	5	101		2	20
106-46-7	1,4-DICHLOROBENZENE	20	21.4	5	107		5	20
104-51-8	N-BUTYLBENZENE	20	22	5	110		2	20
95-50-1	1,2-DICHLOROBENZENE	20	21.4	5	107		6	20
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	20	19.8	10	99		10	20
120-82-1	1,2,4-TRICHLOROBENZENE	20	20.1	5	100		2	20
87-68-3	HEXACHLOROBUTADIENE	20	18.3	5	92		0	20
91-20-3	NAPHTHALENE	20	21.3	5	106		5	20
87-61-6	1,2,3-TRICHLOROBENZENE	20	20.1	5	100		1	20

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50	105		109		82 - 123
1868-53-7	DIBROMOFLUOROMETHANE	50	102		109		75 - 127
2037-26-5	TOLUENE-D8	50	104		108		89 - 116

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3045
LabID: 0110024-1MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
75-71-8	DICHLORODIFLUOROMETHANE	10	U	7.99	J*	10	20	40	75 - 125%
74-87-3	CHLOROMETHANE	10	U	5.27	J*	10	20	26	75 - 125%
75-01-4	VINYL CHLORIDE	10	U	20.8		10	20	104	46 - 134%
74-83-9	BROMOMETHANE	10	U	18.1		10	20	91	72 - 125%
75-00-3	CHLOROETHANE	10	U	30.6	*	10	20	153	65 - 125%
75-69-4	TRICHLOROFLUOROMETHANE	5	U	22.2		5	20	111	67 - 125%
75-35-4	1,1-DICHLOROETHENE	5	U	23.2		5	20	116	73 - 127%
67-64-1	ACETONE	78		171		20	80	117	50 - 150%
75-09-2	METHYLENE CHLORIDE	2	J,B	25.7		5	20	119	75 - 125%
156-60-5	TRANS-1,2-DICHLOROETHENE	5	U	24		5	20	120	75 - 125%
1634-04-4	METHYL TERTIARY BUTYL ETHER	5	U	21.2		5	20	106	50 - 150%
75-34-3	1,1-DICHLOROETHANE	5	U	22.7		5	20	113	72 - 125%
156-59-2	CIS-1,2-DICHLOROETHENE	5	U	23.1		5	20	116	75 - 125%
78-93-3	2-BUTANONE	11	J	109		20	80	123	50 - 150%
74-97-5	BROMOCHLOROMETHANE	5	U	23		5	20	115	73 - 125%
67-66-3	CHLOROFORM	5	U	22.6		5	20	113	74 - 125%
71-55-6	1,1,1-TRICHLOROETHANE	5	U	21		5	20	105	75 - 125%
594-20-7	2,2-DICHLOROPROPANE	5	U	19.2		5	20	96	75 - 125%
56-23-5	CARBON TETRACHLORIDE	5	U	19.2		5	20	96	62 - 125%
563-58-6	1,1-DICHLOROPROPENE	5	U	22		5	20	110	75 - 125%
107-06-2	1,2-DICHLOROETHANE	5	U	21.3		5	20	107	68 - 127%
71-43-2	BENZENE	49		70.7		5	20	111	84 - 119%
79-01-6	TRICHLOROETHENE	5	U	21.6		5	20	108	85 - 121%
78-87-5	1,2-DICHLOROPROPANE	5	U	22.4		5	20	112	70 - 125%
74-95-3	DIBROMOMETHANE	5	U	22.4		5	20	112	69 - 127%
75-27-4	BROMODICHLOROMETHANE	5	U	22.6		5	20	113	75 - 125%
110-75-8	2-CHLOROETHYL VINYL ETHER	10	U	10	U	10	20	50	30 - 170%
10061-01-5	CIS-1,3-DICHLOROPROPENE	5	U	21.5		5	20	108	74 - 125%

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3045
LabID: 0110024-1MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L

108-10-1	4-METHYL-2-PENTANONE	20	U	101		20	80	126	50 - 150%
108-88-3	TOLUENE	21		43.5		5	20	111	83 - 123%
10061-02-6	TRANS-1,3-DICHLOROPROPENE	5	U	20.2		5	20	101	75 - 125%
79-00-5	1,1,2-TRICHLOROETHANE	5	U	22.8		5	20	114	75 - 127%
591-78-6	2-HEXANONE	20	U	96.6		20	80	121	50 - 150%
127-18-4	TETRACHLOROETHENE	5	U	19.5		5	20	98	71 - 125%
142-28-9	1,3-DICHLOROPROPANE	5	U	21.6		5	20	108	75 - 125%
124-48-1	DIBROMOCHLOROMETHANE	5	U	19.5		5	20	97	73 - 125%
106-93-4	1,2-DIBROMOETHANE	5	U	21.7		5	20	108	69 - 127%
544-10-5	1-CHLOROHEXANE	5	U	20.4		5	20	102	75 - 125%
108-90-7	CHLOROBENZENE	5	U	19.7		5	20	99	85 - 119%
630-20-6	1,1,1,2-TETRACHLOROETHANE	5	U	20.1		5	20	101	72 - 125%
100-41-4	ETHYLBENZENE	16		35.5		5	20	99	75 - 125%
136777-61-	M+P-XYLENE	120		154		5	40	89	75 - 125%
95-47-6	O-XYLENE	41		61.9		5	20	103	75 - 125%
100-42-5	STYRENE	5	U	19		5	20	95	75 - 125%
75-25-2	BROMOFORM	5	U	19.5		5	20	97	75 - 125%
98-82-8	ISOPROPYLBENZENE	5.5		26.8		5	20	107	75 - 125%
96-18-4	1,2,3-TRICHLOROPROPANE	5	U	24		5	20	120	75 - 125%
79-34-5	1,1,2,2-TETRACHLOROETHANE	5	U	25.1		5	20	125	74 - 125%
108-86-1	BROMOBENZENE	5	U	22.7		5	20	113	75 - 125%
103-65-1	N-PROPYLBENZENE	6.8		29.2		5	20	112	75 - 125%
95-49-8	2-CHLOROTOLUENE	5	U	23.6		5	20	118	73 - 125%
108-67-8	1,3,5-TRIMETHYLBENZENE	17		38.9		5	20	111	72 - 112%
106-43-4	4-CHLOROTOLUENE	5	U	22.1		5	20	110	74 - 125%
98-06-6	TERT-BUTYLBENZENE	5	U	21.9		5	20	110	75 - 125%
95-63-6	1,2,4-TRIMETHYLBENZENE	71		92		5	20	106	75 - 125%
135-98-8	SEC-BUTYLBENZENE	1.7	J	23.3		5	20	108	75 - 125%
541-73-1	1,3-DICHLOROBENZENE	5	U	21.3		5	20	107	75 - 125%
99-87-6	P-ISOPROPYLTOLUENE	1.7	J	22.6		5	20	104	75 - 125%

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3045
LabID: 0110024-1MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L

106-46-7	1,4-DICHLOROBENZENE	5	U	21.9		5	20	109	75 - 125%
104-51-8	N-BUTYLBENZENE	2	J	25.6		5	20	118	75 - 125%
95-50-1	1,2-DICHLOROBENZENE	5	U	22.3		5	20	112	75 - 125%
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	10	U	23		10	20	115	59 - 125%
120-82-1	1,2,4-TRICHLOROBENZENE	5	U	22		5	20	110	75 - 125%
87-68-3	HEXACHLOROBUTADIENE	5	U	19.7		5	20	98	75 - 125%
91-20-3	NAPHTHALENE	17		41.7		5	20	123	75 - 125%
87-61-6	1,2,3-TRICHLOROBENZENE	5	U	22.6		5	20	113	75 - 137%

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3045
LabID: 0110024-1MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L

MSD Lab ID: 0110024-1MSD

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
75-71-8	DICHLORODIFLUOROMETHANE	20	7.62	J*	10	38	5	20
74-87-3	CHLOROMETHANE	20	4.55	J*	10	23	15	20
75-01-4	VINYL CHLORIDE	20	20		10	100	4	20
74-83-9	BROMOMETHANE	20	18.1		10	90	0	20
75-00-3	CHLOROETHANE	20	21	+	10	105	37	20
75-69-4	TRICHLOROFLUOROMETHANE	20	22.1		5	111	0	20
75-35-4	1,1-DICHLOROETHENE	20	22.7		5	113	2	20
67-64-1	ACETONE	80	176		20	122	2	20
75-09-2	METHYLENE CHLORIDE	20	26.8		5	124	4	20
156-60-5	TRANS-1,2-DICHLOROETHENE	20	24.5		5	122	2	20
1634-04-4	METHYL TERTIARY BUTYL ETHER	20	21.9		5	110	4	20
75-34-3	1,1-DICHLOROETHANE	20	23.2		5	116	2	20
156-59-2	CIS-1,2-DICHLOROETHENE	20	23.3		5	117	1	20
78-93-3	2-BUTANONE	80	115		20	130	5	20
74-97-5	BROMOCHLOROMETHANE	20	23.4		5	117	2	20
67-66-3	CHLOROFORM	20	22.6		5	113	0	20
71-55-6	1,1,1-TRICHLOROETHANE	20	20.5		5	103	2	20
594-20-7	2,2-DICHLOROPROPANE	20	18.7		5	93	3	20
56-23-5	CARBON TETRACHLORIDE	20	18.7		5	93	3	20
563-58-6	1,1-DICHLOROPROPENE	20	21.6		5	108	2	20
107-06-2	1,2-DICHLOROETHANE	20	21.5		5	108	1	20
71-43-2	BENZENE	20	70.7		5	110	0	17
79-01-6	TRICHLOROETHENE	20	21.6		5	108	0	18
78-87-5	1,2-DICHLOROPROPANE	20	22.6		5	113	1	20
74-95-3	DIBROMOMETHANE	20	22.6		5	113	1	20

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3045
LabID: 0110024-1MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L

75-27-4	BROMODICHLOROMETHANE	20	22.9		5	115	2	20
110-75-8	2-CHLOROETHYL VINYL ETHER	20	10	U	10	50		20
10061-01-5	CIS-1,3-DICHLOROPROPENE	20	21.6		5	108	1	20
108-10-1	4-METHYL-2-PENTANONE	80	104		20	130	3	20
108-88-3	TOLUENE	20	43		5	108	1	20
10061-02-6	TRANS-1,3-DICHLOROPROPENE	20	20.8		5	104	3	20
79-00-5	1,1,2-TRICHLOROETHANE	20	22.9		5	115	1	20
591-78-6	2-HEXANONE	80	99.3		20	124	3	20
127-18-4	TETRACHLOROETHENE	20	19.5		5	97	0	20
142-28-9	1,3-DICHLOROPROPANE	20	21.6		5	108	0	20
124-48-1	DIBROMOCHLOROMETHANE	20	20.2		5	101	4	20
106-93-4	1,2-DIBROMOETHANE	20	22.3		5	112	3	20
544-10-5	1-CHLOROHEXANE	20	20		5	100	2	20
108-90-7	CHLOROBENZENE	20	20		5	100	1	17
630-20-6	1,1,1,2-TETRACHLOROETHANE	20	20.9		5	105	4	20
100-41-4	ETHYLBENZENE	20	35.3		5	97	1	20
136777-61-	M+P-XYLENE	40	154		5	89	0	20
95-47-6	O-XYLENE	20	61.8		5	103	0	20
100-42-5	STYRENE	20	19.3		5	97	1	20
75-25-2	BROMOFORM	20	20.1		5	100	3	20
98-82-8	ISOPROPYLBENZENE	20	26.9		5	107	0	20
96-18-4	1,2,3-TRICHLOROPROPANE	20	25.1		5	125	4	20
79-34-5	1,1,2,2-TETRACHLOROETHANE	20	26.1	*	5	130	4	20
108-86-1	BROMOBENZENE	20	23.1		5	115	2	20
103-65-1	N-PROPYLBENZENE	20	29.3		5	112	0	20
95-49-8	2-CHLOROTOLUENE	20	23.8		5	119	1	20
108-67-8	1,3,5-TRIMETHYLBENZENE	20	38.9		5	111	0	20
106-43-4	4-CHLOROTOLUENE	20	22.6		5	113	2	20
98-06-6	TERT-BUTYLBENZENE	20	22.2		5	111	2	20
95-63-6	1,2,4-TRIMETHYLBENZENE	20	91.2		5	102	1	20

Data Package ID: *VL0110024-1*

GC/MS Volatiles

Method SW8260

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3045
LabID: 0110024-1MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 08-Oct-01

Prep Batch: VL011008-1
QCBatchID: VL011008-1-1
Run ID: VL011008-1A
Cleanup: NONE
Basis: As Received

Sample Aliquot: 5 ML
Final Volume: 5 ML
Result Units: UG/L

135-98-8	SEC-BUTYLBENZENE	20	22.9		5	106	2	20
541-73-1	1,3-DICHLOROBENZENE	20	21.9		5	110	3	20
99-87-6	P-ISOPROPYLTOLUENE	20	22.3		5	103	1	20
106-46-7	1,4-DICHLOROBENZENE	20	22.1		5	110	1	20
104-51-8	N-BUTYLBENZENE	20	25		5	115	2	20
95-50-1	1,2-DICHLOROBENZENE	20	22.5		5	112	1	20
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	20	23.1		10	115	0	20
120-82-1	1,2,4-TRICHLOROBENZENE	20	22.1		5	111	1	20
87-68-3	HEXACHLOROBUTADIENE	20	19.1		5	96	3	20
91-20-3	NAPHTHALENE	20	43.2	*	5	130	3	20
87-61-6	1,2,3-TRICHLOROBENZENE	20	23.7		5	118	5	20

Surrogate Recovery MS/MSD

CASNO	Target Analyte	Spike Added	MS % Rec.	MS Flag	MSD % Rec.	MSD Flag	Control Limits
460-00-4	4-BROMOFLUOROBENZENE	50	110		113		82 - 123
1868-53-7	DIBROMOFLUOROMETHANE	50	110		111		75 - 127
2037-26-5	TOLUENE-D8	50	106		108		89 - 116

Data Package ID: *VL0110024-1*

Prep Batch ID: VL011008-1

Start Date: 10/8/01
Start Time: 8:09
Prep Analyst: Tyler Knaebel

End Date: 10/8/01
End Time: 13:16

Concentration Method: NONE
Extract Method: SW5030
Initial Volume Units: ML
Final Volume Units: ML

Batch Created By: twk
Date Created: 10/9/01
Time Created: 9:13
Validated By: twk
Date Validated: 10/9/01
Time Validated: 9:14

Comments:

QC Batch ID: VL011008-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
VL011008-1	MB	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0110024
VL011008-1	LCS	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0110024
VL011008-1	LCSD	XXXXXX	WATER	XXXXXX	5	5	NONE	1	0110024
0110024-1	MS	BD3045	WATER	10/4/2001	5	5	NONE	1	0110024
0110024-1	MSD	BD3045	WATER	10/4/2001	5	5	NONE	1	0110024
0110024-1	SMP	BD3045	WATER	10/4/2001	5	5	NONE	1	0110024
0110024-2	SMP	BD3047	WATER	10/4/2001	5	5	NONE	1	0110024
0110024-3	SMP	BD3049	WATER	10/4/2001	5	5	NONE	1	0110024
0110024-4	SMP	BD3051	WATER	10/4/2001	5	5	NONE	1	0110024
0110024-5	SMP	TB100501B	WATER	10/5/2001	5	5	NONE	1	0110024

QC Types

DUP	Laboratory Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MB	Method Blank
MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

Paragon Analytics Inc.
LIMS Version: 1.955

Date Printed: Wednesday, October 10, 2001

5A

Volatile Organic GC/MS Tuning And Mass Calibration--Bromofluorobenzene (BFB)

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: 825635PLUMBROOK ORDINACE WORKS

BFB Injection Date: 9/13/2001
BFB Injection Time: 10:52
QCBatchID: VL010913-1A
Reported on: Wednesday, October 10, 2001

Level: Low **Column:** Cap

m/e	Ion Abundance Criteria	% Relative Abundance
50	15.0 - 40.0 percent of mass 95	32
75	30.0 - 60.0 percent of mass 95	56.8
95	Base peak, 100 percent of relative abundance	100
96	5.0 - 9.0 percent of mass 95	6.8
173	Less than 2.0 percent of mass 174	0
174	Greater than 50.0 percent of mass 95	62.1
175	5.0 - 9.0 percent of mass 174	7.8
176	Greater than 95.0 percent < 101.0 percent of mass 174	96.6
177	5.0 - 9.0 percent of mass 176	7.3

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
XXXXXXX	ICALVL002CSTD	A1574	9/13/20	11:33
XXXXXXX	ICALVL005CSTD	A1575	9/13/20	11:54
XXXXXXX	ICALVL010CSTD	A1576	9/13/20	12:16
XXXXXXX	ICALVL020CSTD	A1577	9/13/20	12:37
XXXXXXX	ICALVL050CSTD	A1578	9/13/20	12:59
XXXXXXX	ICALVL100CSTD	A1579	9/13/20	13:20
XXXXXXX	ICALVL200CSTD	A1580	9/13/20	13:42

5A

Volatile Organic GC/MS Tuning And Mass Calibration--Bromofluorobenzene (BFB)

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: *IT Corporation*
ClientProject ID: 825635PLUMBROOK ORDINACE WORKS

BFB Injection Date: 10/8/2001
BFB Injection Time: 8:09
QCBatchID: VL011008-1A
Reported on: Wednesday, October 10, 2001

Level: Low **Column:** Cap

m/e	Ion Abundance Criteria	% Relative Abundance
50	15.0 - 40.0 percent of mass 95	31.1
75	30.0 - 60.0 percent of mass 95	56.6
95	Base peak, 100 percent of relative abundance	100
96	5.0 - 9.0 percent of mass 95	6.7
173	Less than 2.0 percent of mass 174	0
174	Greater than 50.0 percent of mass 95	61.5
175	5.0 - 9.0 percent of mass 174	5.4
176	Greater than 95.0 percent < 101.0 percent of mass 174	97.6
177	5.0 - 9.0 percent of mass 176	6.2

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
XXXXXXX	CCALVL050CSTD	A15894	10/8/2001	8:20

5A

Volatile Organic GC/MS Tuning And Mass Calibration--Bromofluorobenzene (BFB)

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: 825635PLUMBROOK ORDINACE WORKS

BFB Injection Date: 10/8/2001
BFB Injection Time: 8:09
QCBatchID: VL011008-1-1
Reported on: Thursday, October 11, 2001

Level: Low **Column:** Cap

m/e	Ion Abundance Criteria	% Relative Abundance
50	15.0 - 40.0 percent of mass 95	31.1
75	30.0 - 60.0 percent of mass 95	56.6
95	Base peak, 100 percent of relative abundance	100
96	5.0 - 9.0 percent of mass 95	6.7
173	Less than 2.0 percent of mass 174	0
174	Greater than 50.0 percent of mass 95	61.5
175	5.0 - 9.0 percent of mass 174	5.4
176	Greater than 95.0 percent < 101.0 percent of mass 174	97.6
177	5.0 - 9.0 percent of mass 176	6.2

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
XXXXXXX	VL011008-1LCS	A15895	10/8/2001	8:42
XXXXXXX	VL011008-1LCSD	A15896	10/8/2001	9:03
XXXXXXX	VL011008-1MB	A15897	10/8/2001	9:51
BD3045	0110024-1RR1	A15898	10/8/2001	10:18
BD3047	0110024-2	A15899	10/8/2001	10:45
BD3049	0110024-3	A15900	10/8/2001	11:06
BD3051	0110024-4	A15901	10/8/2001	11:28
TB100501B	0110024-5	A15903	10/8/2001	12:11
BD3045	0110024-1	A15904	10/8/2001	12:33
BD3045	0110024-1MS	A15905	10/8/2001	12:54
BD3045	0110024-1MSD	A15906	10/8/2001	13:16

091301
HPV-1
5mL unheated purge

FORM 6

Standard Concentration	A1580.D 200	A1579.D 100	A1578.D 50	A1577.D 20	A1576.D 10	A1575.D 5	A1574.D 2	Average	%RSD		Curve type	Corr (2)	Higher order equation quad term	linear term	const term
Pentafluorobenzene															
Dichlorodifluoromethane	0.813	0.821	0.888	0.896	0.885	0.897	0.824	0.860	4.52		Ave RF	n/a			
Chloromethane	0.940	0.966	1.008	1.012	1.008	0.990	0.964	0.984	2.83	SPCC	Ave RF	n/a			
Vinyl chloride	0.770	0.777	0.834	0.835	0.808	0.811	0.795	0.804	3.17	CCC	Ave RF	n/a			
Bromomethane		0.362	0.458	0.496	0.500	0.535	0.532	0.481	13.44		Ave RF	n/a			
Chloroethane		0.318	0.368	0.380	0.391	0.392	0.396	0.374	7.83		Ave RF	n/a			
Trichlorofluoromethane	0.646	0.654	0.722	0.716	0.707	0.718	0.700	0.695	4.54		Ave RF	n/a			
Acrolein	0.040	0.042	0.043	0.045	0.045	0.044	0.038	0.043	5.93		Ave RF	n/a			
1,1-Dichloroethene	0.455	0.470	0.488	0.499	0.506	0.504	0.487	0.487	3.82	CCC	Ave RF	n/a			
Trichlorotrifluoroethane	0.478	0.486	0.515	0.533	0.533	0.523	0.504	0.510	4.31		Ave RF	n/a			
Acetone	0.025	0.027	0.027	0.029	0.030	0.028	0.033	0.028	9.13		Ave RF	n/a			
Iodomethane	0.880	0.904	0.915	0.932	0.933	0.918	0.845	0.904	3.51		Ave RF	n/a			
Carbon Disulfide	1.589	1.637	1.680	1.725	1.719	1.713	1.648	1.673	3.03		Ave RF	n/a			
Methylene chloride	0.532	0.562	0.616	0.747	0.958	1.381		0.799	40.63		linear	0.999888		0.5103354	0.09480378
trans-1,2-Dichloroethene	0.490	0.497	0.507	0.538	0.541	0.538	0.515	0.518	4.06		Ave RF	n/a			
Methyl-t-butyl-ether	0.978	0.980	0.979	0.977	0.965	0.927	0.787	0.942	7.51		Ave RF	n/a			
Acrylonitrile	0.097	0.099	0.099	0.102	0.105	0.100	0.084	0.098	6.76		Ave RF	n/a			
1,1-Dichloroethane	0.924	0.932	0.965	0.989	0.995	0.998	0.934	0.963	3.35	SPCC	Ave RF	n/a			
Vinyl Acetate	0.890	0.822	0.813	0.895	0.856	0.829	0.741	0.835	6.29		Ave RF	n/a			
cis-1,2-Dichloroethene	0.541	0.554	0.586	0.612	0.613	0.621	0.577	0.586	5.27		Ave RF	n/a			
2-Butanone	0.162	0.168	0.171	0.188	0.190	0.186	0.128	0.170	12.71		Ave RF	n/a			
Bromochloromethane	0.262	0.270	0.282	0.284	0.284	0.285	0.241	0.273	6.02		Ave RF	n/a			
Chloroform	0.861	0.882	0.936	0.955	0.961	0.944	0.880	0.917	4.49	CCC	Ave RF	n/a			
Dibromofluoromethane	0.497	0.510	0.515	0.557	0.541	0.538	0.486	0.520	4.92		Ave RF	n/a			
1,1,1-Trichloroethane	0.708	0.712	0.755	0.763	0.773	0.769	0.700	0.740	4.30		Ave RF	n/a			
1,4-Difluorobenzene															
2,2-Dichloropropane	0.393	0.408	0.450	0.482	0.488	0.485	0.501	0.458	9.25		Ave RF	n/a			
Carbon tetrachloride	0.372	0.376	0.391	0.403	0.390	0.403	0.375	0.387	3.38		Ave RF	n/a			
1,1-Dichloropropene	0.400	0.412	0.442	0.464	0.467	0.460	0.449	0.442	5.96		Ave RF	n/a			
1,2-dichloroethane-d4	0.263	0.279	0.283	0.307	0.303	0.308	0.260	0.286	7.12		Ave RF	n/a			
1,2-Dichloroethane	0.349	0.354	0.368	0.381	0.382	0.375	0.320	0.361	6.20		Ave RF	n/a			
Benzene	1.080	1.124	1.202	1.261	1.252	1.278	1.206	1.200	6.15		Ave RF	n/a			
Trichloroethene	0.324	0.335	0.358	0.377	0.375	0.361	0.339	0.353	5.81		Ave RF	n/a			
1,2-Dichloropropane	0.318	0.325	0.345	0.356	0.354	0.347	0.328	0.339	4.43	CCC	Ave RF	n/a			
Dibromomethane	0.184	0.187	0.198	0.203	0.202	0.191	0.165	0.190	6.95		Ave RF	n/a			
Bromodichloromethane	0.360	0.370	0.381	0.387	0.380	0.366	0.327	0.367	5.50		Ave RF	n/a			
2-Chloroethyl vinyl ether	0.143	0.139	0.149	0.143	0.145	0.139	0.115	0.139	7.97		Ave RF	n/a			
cis-1,3-Dichloropropene	0.453	0.463	0.483	0.500	0.481	0.463	0.413	0.465	6.01		Ave RF	n/a			
4-Methyl-2-Pentanone	0.197	0.209	0.217	0.229	0.224	0.207	0.172	0.208	9.28		Ave RF	n/a			
Toluene-d8	0.851	0.911	0.946	1.035	1.025	1.024	0.889	0.954	7.82		Ave RF	n/a			
Toluene	1.017	1.083	1.173	1.249	1.230	1.236	1.149	1.162	7.47	CCC	Ave RF	n/a			
trans-1,3-Dichloropropene	0.390	0.394	0.412	0.416	0.406	0.394	0.327	0.392	7.66		Ave RF	n/a			
1,1,2-Trichloroethane	0.185	0.192	0.200	0.210	0.204	0.200	0.169	0.194	7.00		Ave RF	n/a			
2-Hexanone	0.135	0.144	0.148	0.156	0.150	0.136	0.115	0.141	9.56		Ave RF	n/a			
Chlorobenzene-d5															
Tetrachloroethene	0.544	0.559	0.591	0.626	0.635	0.615	0.586	0.594	5.73		Ave RF	n/a			
1,3-Dichloropropane	0.831	0.844	0.890	0.908	0.911	0.887	0.792	0.866	5.16		Ave RF	n/a			
Dibromochloromethane	0.665	0.666	0.670	0.671	0.632	0.619	0.528	0.636	8.15		Ave RF	n/a			
1,2-Dibromoethane	0.555	0.559	0.568	0.580	0.588	0.550	0.471	0.553	6.94		Ave RF	n/a			
1-Chlorohexane	0.970	1.007	1.065	1.117	1.126	1.110	1.099	1.071	5.61		Ave RF	n/a			
Chlorobenzene	1.693	1.778	1.908	1.983	1.981	1.965	1.835	1.878	6.01	SPCC	Ave RF	n/a			
1,1,1,2-Tetrachloroethane	0.577	0.588	0.607	0.598	0.587	0.577	0.535	0.581	3.97		Ave RF	n/a			
Ethylbenzene	2.717	2.898	3.134	3.282	3.337	3.294	3.300	3.137	7.65	CCC	Ave RF	n/a			
m,p-Xylene	0.966	1.050	1.136	1.214	1.217	1.202	1.152	1.134	8.33		Ave RF	n/a			
o-Xylene	0.968	1.034	1.112	1.154	1.152	1.142	1.097	1.094	6.37		Ave RF	n/a			
Styrene	1.704	1.850	2.009	2.049	2.061	2.010	1.795	1.926	7.32		Ave RF	n/a			
Bromoform	0.375	0.382	0.379	0.368	0.349	0.319	0.270	0.349	11.84	SPCC	Ave RF	n/a			
1,4-Dichlorobenzene-d4															
Isopropylbenzene	3.044	3.130	3.352	3.607	3.625	3.554	3.513	3.404	6.91		Ave RF	n/a			
4-Bromofluorobenzene	0.956	0.968	0.973	1.065	1.026	1.081	0.939	1.001	5.60		Ave RF	n/a			
1,2,3-Trichloropropane	0.166	0.167	0.168	0.175	0.172	0.167	0.146	0.166	5.69		Ave RF	n/a			
1,1,2,2-Tetrachloroethane	0.699	0.687	0.712	0.758	0.725	0.699	0.615	0.699	6.25	SPCC	Ave RF	n/a			
Bromobenzene	0.721	0.758	0.816	0.862	0.854	0.846	0.841	0.814	6.64		Ave RF	n/a			
n-Propylbenzene	3.740	3.970	4.303	4.667	4.662	4.578	4.584	4.358	8.50		Ave RF	n/a			
2-Chlorotoluene	2.373	2.511	2.741	2.917	2.933	2.944	2.967	2.769	8.63		Ave RF	n/a			
1,3,5-Trimethylbenzene	2.389	2.527	2.723	2.901	2.905	2.883	2.863	2.741	7.55		Ave RF	n/a			
4-Chlorotoluene	2.320	2.376	2.546	2.671	2.675	2.638	2.651	2.554	5.80		Ave RF	n/a			
tert-Butylbenzene	2.123	2.204	2.382	2.543	2.541	2.476	2.500	2.396	7.06		Ave RF	n/a			
1,2,4-Trimethylbenzene	2.384	2.462	2.642	2.820	2.857	2.742	2.668	2.654	6.65		Ave RF	n/a			
sec-Butylbenzene	3.363	3.493	3.778	4.087	4.116	3.994	4.047	3.840	7.93		Ave RF	n/a			
1,3-Dichlorobenzene	1.466	1.499	1.627	1.721	1.734	1.663	1.622	1.619	6.35		Ave RF	n/a			
p-Isopropyltoluene	2.732	2.791	3.029	3.236	3.265	3.163	3.105	3.046	6.90		Ave RF	n/a			
1,4-Dichlorobenzene	1.440	1.473	1.584	1.654	1.680	1.602	1.577	1.573	5.61		Ave RF	n/a			
n-Butylbenzene	2.743	2.852	3.112	3.360	3.371	3.259	3.277	3.139	7.98		Ave RF	n/a			
1,2-Dichlorobenzene	1.312	1.327	1.421	1.510	1.502	1.438	1.356	1.409	5.71		Ave RF	n/a			
1,2-Dibromo-3-chloropropan	0.116	0.112	0.108	0.115	0.108	0.098		0.110	5.95		Ave RF	n/a			
1,2,4-Trichlorobenzene	0.940	0.937	1.025	1.099	1.079	1.022	0.966	1.010	6.44		Ave RF	n/a			
Hexachlorobutadiene	0.589	0.572	0.606	0.655	0.641	0.629	0.636	0.618	4.88		Ave RF	n/a			
Naphthalene	1.624	1.613	1.705	1.886	1.814	1.679	1.406	1.675	9.23		Ave RF	n/a			
1,2,3-Trichlorobenzene	0.747	0.730	0.809	0.903	0.904	0.835	0.744	0.810	9.13		Ave RF	n/a			
								Average =	6.98						

Ketones concentration 4x level ID.
Acrolein and Acrylonitrile concentration 10x level ID.
M&P-Xylenes concentration 2x level ID.

2/14/01

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\100801\A15894.D Vial: 2
Acq On : 8 Oct 2001 8:20 am Operator: TWK
Sample : VSTD050_CCV Inst : HPV-1
Misc : Water 5mL Unheated Purge Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\091301.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Thu Sep 13 14:47:11 2001
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 5% Max. R.T. Dev 0.50min
Max. RRF Dev : 75% Max. Rel. Area : 300%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	
1	I	Pentafluorobenzene	1.000	1.000	0.0	195	0.00	
2	M	Dichlorodifluoromethane	0.860	0.865	-0.6	190	0.00	
3	MP	Chloromethane	0.984	1.134	-15.2	219	0.00	
4	MC	Vinyl chloride	0.804	0.935	-16.3	218	0.00	
5	M	Bromomethane	0.481	0.466	3.1	198	0.00	
6	M	Chloroethane	0.374	0.394	-5.3	209	0.00	
7	M	Trichlorofluoromethane	0.695	0.693	0.3	187	0.00	
8	T	Acrolein	0.043	0.039	9.3	175	0.00	
9	TMC	1,1-Dichloroethene	0.487	0.473	2.9	189	0.00	
10	T	Trichlorotrifluoroethane	0.510	0.598	-17.3	226	0.00	
11	T	Acetone	0.028	0.025	10.7	181	0.00	
12	T	Iodomethane	0.904	0.869	3.9	185	0.00	
13	T	Carbon Disulfide	1.673	1.629	2.6	189	0.00	
14	M	Methylene chloride	0.799	0.559	* 30.0	177	0.00	91% rec.
15	M	trans-1,2-Dichloroethene	0.518	0.514	0.8	197	0.00	
16	T	Methyl-t-butyl-ether	0.942	0.802	14.9	159	0.00	
17		Acrylonitrile	0.098	0.106	-8.2	208	0.00	
18	MP	1,1-Dichloroethane	0.963	0.939	2.5	189	0.00	
19	T	Vinyl Acetate	0.835	0.793	5.0	190	0.00	
20	M	cis-1,2-Dichloroethene	0.586	0.581	0.9	193	0.00	
21	T	2-Butanone	0.170	0.146	14.1	166	0.00	
22	M	Bromochloromethane	0.273	0.257	5.9	178	0.00	
23	MC	Chloroform	0.917	0.882	3.8	183	0.00	
24	S	Dibromofluoromethane	0.520	0.510	1.9	193	0.00	
25	M	1,1,1-Trichloroethane	0.740	0.670	9.5	173	0.00	
26	I	1,4-Difluorobenzene	1.000	1.000	0.0	198	0.00	
27	M	2,2-Dichloropropane	0.458	0.410	10.5	180	0.00	
28	M	Carbon tetrachloride	0.387	0.332	14.2	168	0.00	
29	M	1,1-Dichloropropene	0.442	0.428	3.2	192	0.00	
30	S	1,2-dichloroethane-d4	0.286	0.250	12.6	175	0.00	
31	M	1,2-Dichloroethane	0.361	0.307	15.0	165	0.00	
32	M	Benzene	1.200	1.193	0.6	196	0.00	
33	TM	Trichloroethene	0.353	0.340	3.7	188	0.00	
34	MC	1,2-Dichloropropane	0.339	0.337	0.6	193	0.00	
35	M	Dibromomethane	0.190	0.170	10.5	170	0.00	
36	M	Bromodichloromethane	0.367	0.347	5.4	181	0.00	
37	T	2-Chloroethyl vinyl ether	0.139	0.133	4.3	177	0.00	
38	M	cis-1,3-Dichloropropene	0.465	0.456	1.9	187	0.00	
39	T	4-Methyl-2-Pentanone	0.208	0.180	13.5	164	0.00	
40	S	Toluene-d8	0.954	0.952	0.2	199	0.00	

(#) = Out of Range
* MeCl2 quanted with linear regression

10/8/01

00052

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\100801\A15894.D Vial: 2
Acq On : 8 Oct 2001 8:20 am Operator: TWK
Sample : VSTD050_CCV Inst : HPV-1
Misc : Water 5mL Unheated Purge Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\091301.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Thu Sep 13 14:47:11 2001
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 5% Max. R.T. Dev 0.50min
Max. RRF Dev : 75% Max. Rel. Area : 300%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
41	TMC	Toluene	1.162	1.122	3.4	189	0.00
42	M	trans-1,3-Dichloropropene	0.392	0.362	7.7	174	0.00
43	M	1,1,2-Trichloroethane	0.194	0.177	8.8	175	0.00
44	T	2-Hexanone	0.141	0.120	14.9	160	0.00
45	I	Chlorobenzene-d5	1.000	1.000	0.0	191	0.00
46	M	Tetrachloroethene	0.594	0.577	2.9	186	0.00
47	M	1,3-Dichloropropane	0.866	0.817	5.7	175	0.00
48	M	Dibromochloromethane	0.636	0.586	7.9	167	0.00
49	T	1,2-Dibromoethane	0.553	0.500	9.6	168	0.00
50	M	1-Chlorohexane	1.071	1.131	-5.6	203	0.00
51	TMP	Chlorobenzene	1.878	1.818	3.2	182	0.00
52	M	1,1,1,2-Tetrachloroethane	0.581	0.546	6.0	172	0.00
53	MC	Ethylbenzene	3.137	3.026	3.5	184	0.00
54	M	m,p-Xylene	1.134	1.113	1.9	187	0.00
55	M	o-Xylene	1.094	1.059	3.2	182	0.00
56	M	Styrene	1.926	1.860	3.4	177	0.00
57	MP	Bromoform	0.349	0.306	12.3	154	0.00
58	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	173	0.00
59	M	Isopropylbenzene	3.404	3.437	-1.0	178	0.00
60	S	4-Bromofluorobenzene	1.001	1.028	-2.7	183	0.00
61	M	1,2,3-Trichloropropane	0.166	0.143	13.9	147	0.00
62	MP	1,1,2,2-Tetrachloroethane	0.699	0.655	6.3	160	0.00
63	M	Bromobenzene	0.814	0.810	0.5	172	0.00
64	M	n-Propylbenzene	4.358	4.457	-2.3	179	0.00
65	M	2-Chlorotoluene	2.769	2.743	0.9	173	0.00
66	M	1,3,5-Trimethylbenzene	2.741	2.698	1.6	172	0.00
67	M	4-Chlorotoluene	2.554	2.587	-1.3	176	0.00
68	M	tert-Butylbenzene	2.396	2.278	4.9	166	0.00
69	M	1,2,4-Trimethylbenzene	2.654	2.585	2.6	169	0.00
70	M	sec-Butylbenzene	3.840	3.755	2.2	172	0.00
71	M	1,3-Dichlorobenzene	1.619	1.573	2.8	167	0.00
72	M	p-Isopropyltoluene	3.046	2.926	3.9	167	0.00
73	M	1,4-Dichlorobenzene	1.573	1.520	3.4	166	0.00
74	M	n-Butylbenzene	3.139	3.090	1.6	172	0.00
75	M	1,2-Dichlorobenzene	1.409	1.334	5.3	163	0.00
76	M	1,2-Dibromo-3-chloropropane	0.110	0.085	22.7	135	0.00
77	M	1,2,4-Trichlorobenzene	1.010	0.885	12.4	149	0.00
78	M	Hexachlorobutadiene	0.618	0.522	15.5	149	0.00
79	M	Naphthalene	1.675	1.348	19.5	137	0.00

(#) = Out of Range

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\100801\A15894.D Vial: 2
Acq On : 8 Oct 2001 8:20 am Operator: TWK
Sample : VSTD050_CCV Inst : HPV-1
Misc : Water 5mL Unheated Purge Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\HPCHEM\1\METHODS\091301.M (RTE Integrator)
Title : GC/MS Volatiles (S.O.P. 525)
Last Update : Thu Sep 13 14:47:11 2001
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 5% Max. R.T. Dev 0.50min
Max. RRF Dev : 75% Max. Rel. Area : 300%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
80	M	1,2,3-Trichlorobenzene	0.810	0.659	18.6	141	0.00
81		Total Xylenes	0.000	0.000#	0.0	0#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

8A

Volatile Internal Standard Area Summary

Lab Name: Paragon Analytics, Inc. **Date Analyzed:** 10/8/2001
Work Order Number: 0110024 **Time Analyzed:** 8:20
Client Name: IT Corporation
ClientProject ID: 825635 PLUMBROOK ORDINACE WORKS **Reported on:** Thursday, October 11, 2001

Instrument ID: HPV1
Lab File ID: A15894

	IS1(PFP)		IS2(DFB)		IS3(CBZ)		IS4(DCB)		IS5()		IS6()	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
12 Hour STD	893303	8.38	1436432	9.26	576966	12.07	479287	13.92				
Upper Limit	1786606	8.88	2872864	9.76	1153932	12.6	958574	14.4				
Lower Limit	446652	7.88	718216	8.76	288483	11.6	239644	13.4				
Lab Sample ID												
VL011008-1MB	845032	8.38	1346745	9.26	551549	12.07	463152	13.92				
VL011008-1LCSD	768985	8.39	1251263	9.26	515122	12.07	443059	13.92				
VL011008-1LCS	848908	8.39	1356392	9.25	557136	12.07	475929	13.92				
0110024-5	776011	8.38	1230649	9.26	524246	12.07	444823	13.92				
0110024-4	814592	8.38	1285999	9.26	535521	12.07	460024	13.92				
0110024-3	853604	8.38	1344262	9.26	553301	12.07	462186	13.93				
0110024-2	818802	8.38	1296880	9.25	553779	12.07	435696	13.92				
0110024-1MSD	746955	8.38	1220832	9.26	543629	12.07	423977	13.92				
0110024-1MS	734675	8.38	1198441	9.26	540296	12.07	425595	13.92				
0110024-1RR1	852281	8.38	1354416	9.26	559720	12.07	466207	13.92				
0110024-1	747236	8.38	1200674	9.26	552570	12.07	432591	13.92				

LIMS Version: 1.955

IS1 (PFP) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-d5
IS4 (DCB) = 1,4-Dichlorobenzene-d4

Upper Limit = + 100 percent of internal standard area.
Lower Limit = - 50 percent of internal standard area.

Supporting Raw Data

GCMS Volatile Instrument Run Log
Paragon Analytics, Inc.

Sequence Name: C:\HPCHEM\1\SEQUENCE\091301.S
Comment: Serial Number 3341A00948
Data Path: C:\HPCHEM\1\DATA\091301\
Operator: T. KNAEBEL Analysis Date: 09/13/01 TK
IS and SS Amount and ID 1811-70-4 / 1811-71-7 (50ug/ml each) VOA STD ID: 1811-70-9 / 1811-72-1 (25ug/ml-each)
IS-5ul / SURR CAL / GAS
Logbook Number: 2064

Vial	DataFile	Method	Sample Name	Dil.	Samp. Amt.	RA?	pH<2?/Headspace?	Comment
1	A1573 *	BFB624	VTUNE1	1	1ul	NO	N/A	1811-68-7 (injection @ 10:52)
1	A1574	091301	VSTD002		5.0ml			0.2ul (SURR) & 0.4ul (CAL & GAS)
2	A1575	091301	VSTD005					0.5ul - 1ul -
3	A1576	091301	VSTD010					1ul - 2ul -
4	A1577	091301	VSTD020					2ul - 4ul -
5	A1578	091301	VSTD050					5ul - 10ul -
6	A1579	091301	VSTD100					10ul - 20ul -
7	A1580	091301	VSTD200					20ul - 40ul -
8	A1581	091301	CLEAN-UP BLANK					
9	A1582	091301	REFSTD050_ICV					1811-71-5 / 1811-72-2 (10ul-each)
10	A1583	091301	CLEAN-UP BLANK					(injection @ 14:25 - OK)
4	A1584	091301	PORT BLANK					
5	A1585	091301	PORT BLANK					
6	A1586	091301	PORT BLANK					
7	A1587	091301	PORT BLANK					
5	A1588	091301	PORT BLANK					
6	A1589	091301	PORT BLANK					
7	A1590	091301	PORT BLANK					5ml unheated purge

* Historical sequential numbering of data files incorrect - data not affected. TK 9/14/01

00037

GCMS Volatile Instrument Run Log
Paragon Analytics, Inc.

Sequence Name: C:\HPCHEM\1\SEQUENCE\100801.S
Comment: Serial Number 3341A00948
Data Path: C:\HPCHEM\1\DATA\100801\
Operator: TWK Analysis Date: 10/08/01 TK
IS and SS Amount and ID 1811-72-6 / 1811-73-5 (IS-5ul / SURR-5ul) VOA STD ID: 1811-73-1 / 1811-74-2 (CAL / GAS)
Logbook Number: 2064

Vial	DataFile	Method	Sample Name	Dil.	Samp. Amt.	RA?	pH<2?	Headspace?	Comment
1	A15891	091301	BLANK	1	5.0ml	NO	N	A	
1	A15892	BFB624	VTUNE1		1ul	yes			1811-68-7 not used
1	A15893	BFB624	VTUNE1		1ul	NO			1811-68-7 (injection@08:09)
2	A15894	091301	VSTD050_CCV		5.0ml				
3	A15895	091301	VL011008-1LCS						1811-74-4 / 1811-73-3 (4ul-each)
4	A15896	091301	VL011008-1LCSD						
5	A15897	091301	VL011008-1MB						
6	A15898	091301	0110024-1 10X	10	500ul	yes	yes	yes	
7	A15899	091301	0110024-2	1	5.0ml	NO		yes	
8	A15900	091301	0110024-3					NO	
9	A15901	091301	0110024-4					NO	
10	A15902	091301	CLEAN-UP BLANK				N	A	
11	A15903	091301	0110024-5				yes	NO	
12	A15904	091301	0110024-1					yes	
13	A15905	091301	0110024-1MS					yes	1811-74-4 / 1811-73-3 (4ul-each)
14	A15906	091301	0110024-1MSD					yes	(injection@13:16-ok)
15	A15907	091301	CLEAN-UP BLANK				N	A	
7	A15908	091301	PORT BLANK						
12	A15909	091301	PORT BLANK						
13	A15910	091301	PORT BLANK						
14	A15911	091301	PORT BLANK						

5ml unheated purge.

000058

Paragon Analytics, Inc.

GC/MS Semivolatiles Case Narrative

IT Corporation

PLUMBROOK ORDINANCE -- 825635

Order Number - 0110024

1. This report consists of 4 water samples. These samples were received cool and intact on 10/06/01.

2. These samples were prepared and analyzed according to SW-846, 3rd Edition protocol utilizing Paragon Standard Operating Procedures. Specifically, the water samples were extracted using continuous liquid-liquid extractors, according to SW-846 Method 3520 utilizing Paragon Standard Operating Procedure 617.

3. The extracts were analyzed using GC/MS with a DB-5.625 capillary column according to Paragon Standard Operating Procedure 506 Revision 9 based on SW-846 Method 8270C. All positive results were quantitated against the initial calibration standards using the internal standard technique. The identification of positive results was achieved by a comparison of the retention time and mass spectrum of the sample versus the daily calibration standard.

4. All initial calibration criteria were met. Method 8270C states that if the average of the percent relative standard deviations (RSDs) is less than 15, the average response factors may be used for quantitation. We quantitated these compounds using the average responses.

5. There were no target compounds detected in the method blanks.

6. All laboratory control spike and laboratory control spike duplicate criteria were met with the following exceptions:

Spiked Compound	QC Sample	Direction
Hexachlorocyclopentadiene	EX011008-1LCS, EX011011-3LCS, EX011011-3LCSD	Low

Benzidine	EX011008-1LCS, EX011011-3LCS, EX011011-3LCSD	Low
Benzoic acid	EX011011-3 RPD	High

None of the above compounds were detected above the reporting limit in the samples. As the quantitation of target analytes were not compromised and reporting limits are defensible, data are submitted.

The recoveries of hexachlorocyclopentadiene are uncontrollable. This compound is subject to thermal decomposition in the inlet of the gas chromatograph, chemical reaction in acetone solution, and photochemical decomposition.

The recoveries of benzidine are uncontrollable. This compound is subject to oxidative losses during solvent concentration. The chromatographic behavior is nonreproducible and poor.

Sample was accidentally poured into EX011008-1LCSD. Only EX011008-1LCS was reported. See NCR #3627.

7. Matrix spikes and matrix spike duplicates were not designated for this sample delivery group. A laboratory control spike and laboratory control spike duplicate were performed instead.

8. The samples were extracted and analyzed within the established holding times.

9. All surrogate recoveries were within acceptance criteria.

10. All internal standard recoveries were within acceptance criteria.

11. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in Paragon Analytics, Inc. Standard Operating Procedure 939 Revision 0. The chromatographic data system marks the manual integrations with an "m" on the quantitation report. Whenever manual integrations are performed, before and after chromatograms of the peak that was manually integrated are included in the report along with the reason why the re-integration was necessary.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics, Inc. certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Cheryl Jones — 10-24-01

Cheryl Jones
Organic Chemist

Date

Reviewer's Initials — 10-23-01

Date

Paragon Analytics, Inc.
Data Qualifier Flags
Chromatography and Mass Spectrometry

U or ND:	**This flag indicates that the compound was analyzed for but not detected.**
J:	**This flag indicates an estimated value. This flag is used as follows : (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); and (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL.**
B:	**This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.**
E:	**This flag identifies compounds whose concentration exceeds the upper level of the calibration range.**
A:	**This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.**
X:	**This flag indicates that the analyte was diluted below an accurate quantitation level.**
***:**	**This flag indicates that a spike recovery is equal to or outside the control criteria used. (This flag appears when a spike recovery is equal to, and therefore within, the control criteria due to a limitation in the current PAI LIMS system.)**
+:	**This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria. (This flag appears when the RPD is equal to, and therefore within, the control criteria due to a limitation in the current PAI LIMS system.)**

Paragon Analytics, Incorporated

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0110024
Client Name: IT Corporation
Client Project Name: PLUMBROOK ORDINACE WORKS
Client Project Number: 825635
Client PO Number: 173457

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
BD3045	0110024-1		WATER	10/4/01	13:15
BD3047	0110024-2		WATER	10/4/01	13:25
BD3049	0110024-3		WATER	10/4/01	9:00
BD3051	0110024-4		WATER	10/4/01	15:00
TB100501B	0110024-5		WATER	10/5/01	17:30
BD3045	0110024-6		WATER	10/4/01	13:15
BD3047	0110024-7		WATER	10/4/01	13:25
BD3049	0110024-8		WATER	10/4/01	9:00
BD3051	0110024-9		WATER	10/4/01	15:00

0110024

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBOW100501PARA

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Kessler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/5/01
Laboratory Destination: Paragon Analytics
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 828403846719

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

	Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
1	6 BD3045	Water	10/04/01 13:15	VOA vials 1 L Glass, HDPE	4120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)		
2	7 BD3047	Water	10/04/01 13:25	VOA vials 1 L Glass, HDPE	4120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)		
3	8 BD3049	Water	10/04/01 09:00	VOA vials 1 L Glass, HDPE	4120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)		
4	9 BD3051	Water	09:20 15:00	VOA vials 1 L Glass, HDPE	4120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)		
5	TB100501B	Water	10/05/01 17:30	VOA vials	80 ml	Ice / HCl	Volatiles		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: Rush:

Level of QC Required:
I. ____ II. ____ III. ____ Project Specific: ____

1. Relinquished by:	Date: 10-5-01 Time: 18:00	1. Received by: FEDEX	Date: Time:
2. Relinquished by: FEDEX	Date: Time:	2. Received by:	Date: 10-6-01 Time: 0950
3. Relinquished by:	Date: Time:	2. Received by:	Date: Time:

Comments: Please disregard laboratory reference on bottle labels.

DISSOLVED METALS: 6, 7, 8, 9,
[illegible]: 1 2 3 4 5

00005

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: IT-KNOX PROJECT MANAGER: DF

WORKORDER NO: 0110024 INITIALS: [illegible] DATE: 10-~~12~~ 6-01

1. Does this project require any special handling in addition to standard Paragon procedures? **IS PRE-SCREENING REQUIRED? (radiochemistry, DOE, etc.)**		Yes Yes	No No
2. Are custody seals on shipping containers intact? How many custody seals are provided? 2/cooler	N/A	Yes	No
3. Are the custody seals on sample containers intact?	N/A	Yes	No
4. Is there a Chain-of-Custody (COC) or other representative documents, letters, or shipping memos?		Yes	No
5. Is the COC complete? Relinquished: Yes ✓ No___ Analyses Requested: Yes ✓ No___	N/A	Yes	No
6. Is the COC in agreement with the samples received? No. of Samples: Yes ✓ No___ Sample ID's: Yes ✓ No___ Matrix: Yes ✓ No___ No. of Containers: Yes___ No X	N/A	Yes	No
7. Were COC (if applicable) and sample labels legible?		Yes	No
8. Were airbills present and/or removable?		Yes	No
9. Are all aqueous samples requiring chemical preservation preserved correctly (excluding volatile organics)? Are all aqueous **non-preserved** samples at the correct pH?	N/A	Yes Yes	No No
10. Is there enough sample for requested analyses? If so, were samples placed in the proper containers?		Yes	No
11. Are all samples within holding times for the requested analyses?		Yes	No
12. Were all sample containers received intact? (not broken or leaking, etc.)		Yes	No
13. Are samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? **Size of bubble:** X **< green pea;** X **> green pea** (List sample IDs and affected containers on Page 2)	N/A	Yes	No
14. Is Paragon to dispose of samples?		Yes	No
15. Were the sample(s) shipped on ice?	N/A	Yes	No
16. Were cooler temperatures measured at 2 - 6 °C ?	N/A	Yes	No
17. Were all samples cooled that should have been cooled?		Yes	No

Cooler #'s 1 2 ___ ___ ___ ___

Temperature 3°C 5°C ___ ___ ___ ___ °C

Project Manager Signature / Date: Debbie Frzio 10/9/01

A NO RESPONSE TO ANY QUESTION (EXCEPT # 1 and #14 REQUIRES THE COMPLETION OF PAGE 2 OF THIS FORM

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: IT KNOX PROJECT MANAGER: DF

WORKORDER NO: 0110024 INITIALS: [illegible] DATE: 10-6-01

- ☐ Custody seals on outside of shipping container broken.
- ☐ Custody seals on sample containers were broken.
- ☐ No Chain-of-Custody (COC) present.
- ☐ Number of samples on the COC do not match the number of samples received.
- ☐ Aqueous samples not preserved correctly (see pH discussion below).
- ☐ Samples received at inappropriate temperature.
- ☐ Insufficient sample to perform requested analyses.
- ☐ Extraction or analytical holding times expired in transit.
- ☒ Broken/leaking bottles and intact bottles received in same cooler (list affected sample IDs below)
- ☐ No analyses requested.
- ☐ Incorrect sample type received.
- ☒ VOAs, reactive CN/S, radon not headspace free (list sample IDs and affected vials below)
- ☐ Airbills not present and/or removable (record applicable shipper's tracking number below)
- ☒ Other

Describe discrepancy:

1 of 3 1.0L AMBERS BROKEN AFTER RECEIPT
FOR BD3045 and BD3051 MY HUMBLE APOLOGIES

BD 3045 2 of 3 <pea 1 of 3 >pea
BD 3047 1 of 3 <pea 2 of 3 >pea
BD 3049 1 of 3 <pea 1 of 3 >pea
BD 3051 1 of 3 <pea

# of containers NOT Listed Correctly on COC
BD 3051 + BD 3045 - 3 40ml vials 2. 1.0L AMBERS (Excludes Broken Bottle)
and 2 500 ml poly
BD 3047 + BD 3049 - Same plus 1 more 1.0L AMBER

Was the client contacted? ___ No; ✓ Yes: Name Maureen McMyler Date/Time 10/9/01 1130

Was the pH of any sample adjusted by the laboratory? ___ No; ___ Yes (see Table below):

NOTE: No pH adjustments shall be made without prior consent of Project Manager. After pH adjustment, hold metals samples ≥ 16 hr before analysis and radchem samples ≥ 24 hr before analysis.

Sample ID	*Initial pH*	*Final pH (wait 30 min)*	*Type of Reagent Used*	*Lot No. of Reagent Used*	*Initials / Date / Time*

Project Manager Signature / Date: Debbie Fizzo 10/9/01

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: IT KNOF **PROJECT MANAGER:** DF

WORKORDER NO: 0110024 **INITIALS:** [illegible] **DATE:** 10-6-01

- ☐ Custody seals on outside of shipping container broken.
- ☐ Custody seals on sample containers were broken.
- ☐ No Chain-of-Custody (COC) present.
- ☐ Number of samples on the COC do not match the number of samples received.
- ☒ Aqueous samples not preserved correctly (see pH discussion below).
- ☐ Samples received at inappropriate temperature.
- ☐ Insufficient sample to perform requested analyses.
- ☐ Extraction or analytical holding times expired in transit.
- ☐ Broken/leaking bottles and intact bottles received in same cooler (list affected sample IDs below)
- ☐ No analyses requested.
- ☐ Incorrect sample type received.
- ☐ VOAs, reactive CN/S, radon not headspace free (list sample IDs and affected vials below)
- ☐ Airbills not present and/or removable (record applicable shipper's tracking number below)
- ☒ Other

Describe discrepancy:
DISSOLVED METALS BOTTLE FOR BD3045 pH 8
ALL UNPRESERVED CONTAINERS ≈ pH 8-9

Per Maureen McMyler - preserve above noted sample.

Was the client contacted? ___ No; ✓ Yes: Name Maureen McMyler Date/Time 10/9/01 1120

Was the pH of any sample adjusted by the laboratory? ___ No; ___ Yes (see Table below):

NOTE: No pH adjustments shall be made without prior consent of Project Manager. After pH adjustment, hold metals samples ≥ 16 hr before analysis and radchem samples ≥ 24 hr before analysis.

Sample ID	*Initial pH*	*Final pH (wait 30 min)*	*Type of Reagent Used*	*Lot No. of Reagent Used*	*Initials / Date / Time*

Project Manager Signature / Date: Debbie Fogis 10/9/01

FORM 201r13.frm (08/01/2001)

FedEx Express USA Airbill

FedEx Tracking Number 8284 0384 6719

Form 0200

1 From

Date 10/05/01

Sender's Name HUGH R. ADAMS Phone 865 690-3211

Company TT CORPORATION

Address 312 DIRECTORS DRIVE

Dept./Floor/Suite/Room

City KNOXVILLE State TN ZIP 37923

2 Your Internal Billing Reference PO# 825635.0500000

3 To

Recipient's Name DEBBIE FAZIO Phone 970 490-1511

Company PARAGON ANALYTICS

SAT DEL.

Address 225 COMMERCE DR

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

City FORT COLLINS State CO ZIP 80524

8284 0384 6719

4a Express Package Service *Packages up to 150 lbs.*

Delivery commitment may be later in some areas.

- [x] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day — Second business day
- [ ] FedEx Express Saver — Third business day
- [ ] NEW FedEx Extra Hours — Limited pickup with new business afternoon delivery to select locations

FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service *Packages over 150 lbs.*

Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

Call for Confirmation:

5 Packaging Declared Value limit $500

- [x] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] Other Pkg — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling Include FedEx address in Section 3.

- [x] SATURDAY Delivery — Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] SUNDAY Delivery — Available only for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available only for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or with FedEx Extra Hours service.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [x] Third Party
- [ ] Credit Card
- [ ] Obtain Recip. Acct. No.
- [ ] Cash/Check

Total Packages	Total Weight	Total Declared Value[1]	Total Charges
2	80	$ .00	

Credit Card Auth.

[1]Our liability is limited to $100 unless you declare a higher value. See back for details.

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com or call 1-800-Go-FedEx® (800)463-3339.

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Analytical Results

GC/MS Semi-volatiles

Method SW8270

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011008-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/08/2001
Date Analyzed: 10/16/2001

Prep Batch: EX011008-1
QCBatchID: EX011008-1-1
Run ID: SV011016-2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5696

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
110-86-1	PYRIDINE	1	10	10	1.3	U	
62-75-9	N-NITROSODIMETHYLAMINE	1	10	10	1.4	U	
62-53-3	ANILINE	1	25	25	1.1	U	
108-95-2	PHENOL	1	10	10	1.3	U	
111-44-4	BIS(2-CHLOROETHYL)ETHER	1	10	10	1.5	U	
95-57-8	2-CHLOROPHENOL	1	10	10	1.3	U	
541-73-1	1,3-DICHLOROBENZENE	1	10	10	1.9	U	
106-46-7	1,4-DICHLOROBENZENE	1	10	10	2	U	
95-50-1	1,2-DICHLOROBENZENE	1	10	10	1.9	U	
100-51-6	BENZYL ALCOHOL	1	10	10	1.3	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1	10	10	1.5	U	
95-48-7	2-METHYLPHENOL	1	10	10	1.3	U	
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1	10	10	1.3	U	
106-44-5	4-METHYLPHENOL	1	10	10	1.1	U	
67-72-1	HEXACHLOROETHANE	1	10	10	2	U	
98-95-3	NITROBENZENE	1	10	10	1.2	U	
78-59-1	ISOPHORONE	1	10	10	1.4	U	
88-75-5	2-NITROPHENOL	1	10	10	1.5	U	
105-67-9	2,4-DIMETHYLPHENOL	1	10	10	1.3	U	
111-91-1	BIS(2-CHLOROETHOXY)METHANE	1	10	10	1.4	U	
120-83-2	2,4-DICHLOROPHENOL	1	10	10	1.5	U	
65-85-0	BENZOIC ACID	1	50	50	6.1	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	10	10	1.9	U	
91-20-3	NAPHTHALENE	1	10	10	1.5	U	
106-47-8	4-CHLOROANILINE	1	20	20	1.3	U	
87-68-3	HEXACHLOROBUTADIENE	1	10	10	2	U	
59-50-7	4-CHLORO-3-METHYLPHENOL	1	10	10	1.3	U	
91-57-6	2-METHYLNAPHTHALENE	1	10	10	1.4	U	
77-47-4	HEXACHLOROCYCLOPENTADIENE	1	10	10	1.8	U	
88-06-2	2,4,6-TRICHLOROPHENOL	1	10	10	1.5	U	

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011008-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/08/2001
Date Analyzed: 10/16/2001

Prep Batch: EX011008-1
QCBatchID: EX011008-1-1
Run ID: SV011016-2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5696

95-95-4	2,4,5-TRICHLOROPHENOL	1	10	10	1.3	U	
91-58-7	2-CHLORONAPHTHALENE	1	10	10	1.4	U	
88-74-4	2-NITROANILINE	1	50	50	2.7	U	
131-11-3	DIMETHYL PHTHALATE	1	10	10	1.4	U	
606-20-2	2,6-DINITROTOLUENE	1	10	10	1.5	U	
208-96-8	ACENAPHTHYLENE	1	10	10	1.3	U	
99-09-2	3-NITROANILINE	1	50	50	3.9	U	
83-32-9	ACENAPHTHENE	1	10	10	1.4	U	
51-28-5	2,4-DINITROPHENOL	1	50	50	7.6	U	
100-02-7	4-NITROPHENOL	1	50	50	5.3	U	
132-64-9	DIBENZOFURAN	1	10	10	1.4	U	
121-14-2	2,4-DINITROTOLUENE	1	10	10	1.5	U	
84-66-2	DIETHYL PHTHALATE	1	10	10	1.4	U	
86-73-7	FLUORENE	1	10	10	1.3	U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	1	10	10	1.2	U	
100-01-6	4-NITROANILINE	1	50	50	13	U	
103-33-3	AZOBENZENE	1	10	10	1.4	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1	50	50	5.4	U	
86-30-6	N-NITROSODIPHENYLAMINE	1	10	10	2.5	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	1	10	10	1.4	U	
118-74-1	HEXACHLOROBENZENE	1	10	10	1.5	U	
87-86-5	PENTACHLOROPHENOL	1	50	50	5.2	U	
85-01-8	PHENANTHRENE	1	10	10	1.5	U	
120-12-7	ANTHRACENE	1	10	10	1.5	U	
86-74-8	CARBAZOLE	1	10	10	1.5	U	
84-74-2	DI-N-BUTYL PHTHALATE	1	10	10	1.8	U	
206-44-0	FLUORANTHENE	1	10	10	1.3	U	
92-87-5	BENZIDINE	1	50	50	40	U	
129-00-0	PYRENE	1	10	10	2	U	
85-68-7	BUTYL BENZYL PHTHALATE	1	10	10	1.4	U	
56-55-3	BENZO(A)ANTHRACENE	1	10	10	1	U	
91-94-1	3,3'-DICHLOROBENZIDINE	1	50	50	9.8	U	

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270
Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011008-1MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/08/2001
Date Analyzed: 10/16/2001

Prep Batch: EX011008-1
QCBatchID: EX011008-1-1
Run ID: SV011016-2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5696

218-01-9	CHRYSENE	1	10	10	1.3	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	10	10	2.1	U	
117-84-0	DI-N-OCTYL PHTHALATE	1	10	10	1	U	
205-99-2	BENZO(B)FLUORANTHENE	1	10	10	0.84	U	
207-08-9	BENZO(K)FLUORANTHENE	1	10	10	1.4	U	
50-32-8	BENZO(A)PYRENE	1	10	10	1.2	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	1	10	10	1.1	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	1	10	10	3.2	U	
191-24-2	BENZO(G,H,I)PERYLENE	1	10	10	1.1	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	65.2		75	87	25 - 134
321-60-8	2-FLUOROBIPHENYL	43.9		50	88	43 - 125
367-12-4	2-FLUOROPHENOL	61.4		75	82	25 - 125
4165-60-0	NITROBENZENE-D5	42.3		50	85	32 - 125
4165-62-2	PHENOL-D5	63.5		75	85	25 - 125
1718-51-0	TERPHENYL-D14	51.2		50	102	42 - 126

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3045
Lab ID: 0110024-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 16-Oct-01

Prep Batch: EX011008-1
QCBatchID: EX011008-1-1
Run ID: SV011016-2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 920 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5698

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
110-86-1	PYRIDINE	1	11	11	1.4	U	
62-75-9	N-NITROSODIMETHYLAMINE	1	11	11	1.5	U	
62-53-3	ANILINE	1	27	27	1.2	U	
108-95-2	PHENOL	1	11	11	1.4	U	
111-44-4	BIS(2-CHLOROETHYL)ETHER	1	11	11	1.6	U	
95-57-8	2-CHLOROPHENOL	1	11	11	1.4	U	
541-73-1	1,3-DICHLOROBENZENE	1	11	11	2.1	U	
106-46-7	1,4-DICHLOROBENZENE	1	11	11	2.2	U	
95-50-1	1,2-DICHLOROBENZENE	1	11	11	2.1	U	
100-51-6	BENZYL ALCOHOL	1	11	11	1.4	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1	11	11	1.6	U	
95-48-7	2-METHYLPHENOL	1	11	11	1.4	U	
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1	11	11	1.4	U	
106-44-5	4-METHYLPHENOL	1	11	11	1.2	U	
67-72-1	HEXACHLOROETHANE	1	11	11	2.2	U	
98-95-3	NITROBENZENE	1	11	11	1.3	U	
78-59-1	ISOPHORONE	1	11	11	1.5	U	
88-75-5	2-NITROPHENOL	1	11	11	1.6	U	
105-67-9	2,4-DIMETHYLPHENOL	1	11	11	1.4	U	
111-91-1	BIS(2-CHLOROETHOXY)METHANE	1	11	11	1.6	U	
120-83-2	2,4-DICHLOROPHENOL	1	11	11	1.6	U	
65-85-0	BENZOIC ACID	1	15	54	6.7	J	
120-82-1	1,2,4-TRICHLOROBENZENE	1	11	11	2	U	
91-20-3	NAPHTHALENE	1	8.4	11	1.6	J	
106-47-8	4-CHLOROANILINE	1	22	22	1.4	U	
87-68-3	HEXACHLOROBUTADIENE	1	11	11	2.2	U	
59-50-7	4-CHLORO-3-METHYLPHENOL	1	11	11	1.4	U	
91-57-6	2-METHYLNAPHTHALENE	1	11	11	1.5	J	
77-47-4	HEXACHLOROCYCLOPENTADIENE	1	11	11	2	U	

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3045
Lab ID: 0110024-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 16-Oct-01

Prep Batch: EX011008-1
QCBatchID: EX011008-1-1
Run ID: SV011016-2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 920 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5698

88-06-2	2,4,6-TRICHLOROPHENOL	1	11	11	1.7	U	
95-95-4	2,4,5-TRICHLOROPHENOL	1	11	11	1.4	U	
91-58-7	2-CHLORONAPHTHALENE	1	11	11	1.5	U	
88-74-4	2-NITROANILINE	1	54	54	3	U	
131-11-3	DIMETHYL PHTHALATE	1	11	11	1.6	U	
606-20-2	2,6-DINITROTOLUENE	1	11	11	1.7	U	
208-96-8	ACENAPHTHYLENE	1	11	11	1.4	U	
99-09-2	3-NITROANILINE	1	54	54	4.3	U	
83-32-9	ACENAPHTHENE	1	11	11	1.5	U	
51-28-5	2,4-DINITROPHENOL	1	54	54	8.3	U	
100-02-7	4-NITROPHENOL	1	54	54	5.8	U	
132-64-9	DIBENZOFURAN	1	11	11	1.5	U	
121-14-2	2,4-DINITROTOLUENE	1	11	11	1.6	U	
84-66-2	DIETHYL PHTHALATE	1	11	11	1.5	U	
86-73-7	FLUORENE	1	11	11	1.5	U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	1	11	11	1.3	U	
100-01-6	4-NITROANILINE	1	54	54	14	U	
103-33-3	AZOBENZENE	1	11	11	1.5	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1	54	54	5.9	U	
86-30-6	N-NITROSODIPHENYLAMINE	1	11	11	2.7	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	1	11	11	1.5	U	
118-74-1	HEXACHLOROBENZENE	1	11	11	1.6	U	
87-86-5	PENTACHLOROPHENOL	1	54	54	5.6	U	
85-01-8	PHENANTHRENE	1	11	11	1.6	U	
120-12-7	ANTHRACENE	1	11	11	1.6	U	
86-74-8	CARBAZOLE	1	11	11	1.6	U	
84-74-2	DI-N-BUTYL PHTHALATE	1	11	11	1.9	U	
206-44-0	FLUORANTHENE	1	11	11	1.4	U	
92-87-5	BENZIDINE	1	54	54	43	U	
129-00-0	PYRENE	1	11	11	2.1	U	
85-68-7	BUTYL BENZYL PHTHALATE	1	11	11	1.6	U	
56-55-3	BENZO(A)ANTHRACENE	1	11	11	1.1	U	

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3045
Lab ID: 0110024-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 16-Oct-01

Prep Batch: EX011008-1
QCBatchID: EX011008-1-1
Run ID: SV011016-2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 920 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5698

91-94-1	3,3'-DICHLOROBENZIDINE	1	54	54	11	U	
218-01-9	CHRYSENE	1	11	11	1.4	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	2.9	11	2.3	J	
117-84-0	DI-N-OCTYL PHTHALATE	1	11	11	1.1	U	
205-99-2	BENZO(B)FLUORANTHENE	1	11	11	0.91	U	
207-08-9	BENZO(K)FLUORANTHENE	1	11	11	1.5	U	
50-32-8	BENZO(A)PYRENE	1	11	11	1.3	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	1	11	11	1.2	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	1	11	11	3.5	U	
191-24-2	BENZO(G,H,I)PERYLENE	1	2.3	11	1.2	J	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	71.4		81.5	88	25 - 134
321-60-8	2-FLUOROBIPHENYL	44		54.3	81	43 - 125
367-12-4	2-FLUOROPHENOL	53.4		81.5	66	25 - 125
4165-60-0	NITROBENZENE-D5	37.5		54.3	69	32 - 125
4165-62-2	PHENOL-D5	59.2		81.5	73	25 - 125
1718-51-0	TERPHENYL-D14	39.6		54.3	73	42 - 126

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3047
Lab ID: 0110024-2

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 16-Oct-01

Prep Batch: EX011008-1
QCBatchID: EX011008-1-1
Run ID: SV011016-2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 1020 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5699

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
110-86-1	PYRIDINE	1	9.8	9.8	1.2	U	
62-75-9	N-NITROSODIMETHYLAMINE	1	9.8	9.8	1.4	U	
62-53-3	ANILINE	1	25	25	1.1	U	
108-95-2	PHENOL	1	9.8	9.8	1.3	U	
111-44-4	BIS(2-CHLOROETHYL)ETHER	1	9.8	9.8	1.4	U	
95-57-8	2-CHLOROPHENOL	1	9.8	9.8	1.3	U	
541-73-1	1,3-DICHLOROBENZENE	1	9.8	9.8	1.9	U	
106-46-7	1,4-DICHLOROBENZENE	1	9.8	9.8	2	U	
95-50-1	1,2-DICHLOROBENZENE	1	9.8	9.8	1.9	U	
100-51-6	BENZYL ALCOHOL	1	9.8	9.8	1.2	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1	9.8	9.8	1.4	U	
95-48-7	2-METHYLPHENOL	1	9.8	9.8	1.3	U	
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1	9.8	9.8	1.3	U	
106-44-5	4-METHYLPHENOL	1	9.8	9.8	1.1	U	
67-72-1	HEXACHLOROETHANE	1	9.8	9.8	2	U	
98-95-3	NITROBENZENE	1	9.8	9.8	1.2	U	
78-59-1	ISOPHORONE	1	9.8	9.8	1.4	U	
88-75-5	2-NITROPHENOL	1	9.8	9.8	1.4	U	
105-67-9	2,4-DIMETHYLPHENOL	1	9.8	9.8	1.3	U	
111-91-1	BIS(2-CHLOROETHOXY)METHANE	1	9.8	9.8	1.4	U	
120-83-2	2,4-DICHLOROPHENOL	1	9.8	9.8	1.5	U	
65-85-0	BENZOIC ACID	1	49	49	6	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	9.8	9.8	1.8	U	
91-20-3	NAPHTHALENE	1	2.8	9.8	1.5	J	
106-47-8	4-CHLOROANILINE	1	20	20	1.3	U	
87-68-3	HEXACHLOROBUTADIENE	1	9.8	9.8	2	U	
59-50-7	4-CHLORO-3-METHYLPHENOL	1	9.8	9.8	1.2	U	
91-57-6	2-METHYLNAPHTHALENE	1	2.7	9.8	1.4	J	
77-47-4	HEXACHLOROCYCLOPENTADIENE	1	9.8	9.8	1.8	U	

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3047
Lab ID: 0110024-2

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 16-Oct-01

Prep Batch: EX011008-1
QCBatchID: EX011008-1-1
Run ID: SV011016-2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 1020 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5699

88-06-2	2,4,6-TRICHLOROPHENOL	1	9.8	9.8	1.5	U	
95-95-4	2,4,5-TRICHLOROPHENOL	1	9.8	9.8	1.3	U	
91-58-7	2-CHLORONAPHTHALENE	1	9.8	9.8	1.3	U	
88-74-4	2-NITROANILINE	1	49	49	2.7	U	
131-11-3	DIMETHYL PHTHALATE	1	9.8	9.8	1.4	U	
606-20-2	2,6-DINITROTOLUENE	1	9.8	9.8	1.5	U	
208-96-8	ACENAPHTHYLENE	1	9.8	9.8	1.2	U	
99-09-2	3-NITROANILINE	1	49	49	3.9	U	
83-32-9	ACENAPHTHENE	1	9.8	9.8	1.4	U	
51-28-5	2,4-DINITROPHENOL	1	49	49	7.5	U	
100-02-7	4-NITROPHENOL	1	49	49	5.2	U	
132-64-9	DIBENZOFURAN	1	9.8	9.8	1.4	U	
121-14-2	2,4-DINITROTOLUENE	1	9.8	9.8	1.5	U	
84-66-2	DIETHYL PHTHALATE	1	9.8	9.8	1.4	U	
86-73-7	FLUORENE	1	9.8	9.8	1.3	U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	1	9.8	9.8	1.1	U	
100-01-6	4-NITROANILINE	1	49	49	13	U	
103-33-3	AZOBENZENE	1	9.8	9.8	1.3	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1	49	49	5.3	U	
86-30-6	N-NITROSODIPHENYLAMINE	1	9.8	9.8	2.4	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	1	9.8	9.8	1.4	U	
118-74-1	HEXACHLOROBENZENE	1	9.8	9.8	1.4	U	
87-86-5	PENTACHLOROPHENOL	1	49	49	5.1	U	
85-01-8	PHENANTHRENE	1	9.8	9.8	1.5	U	
120-12-7	ANTHRACENE	1	9.8	9.8	1.5	U	
86-74-8	CARBAZOLE	1	9.8	9.8	1.4	U	
84-74-2	DI-N-BUTYL PHTHALATE	1	9.8	9.8	1.7	U	
206-44-0	FLUORANTHENE	1	9.8	9.8	1.2	U	
92-87-5	BENZIDINE	1	49	49	39	U	
129-00-0	PYRENE	1	9.8	9.8	1.9	U	
85-68-7	BUTYL BENZYL PHTHALATE	1	9.8	9.8	1.4	U	
56-55-3	BENZO(A)ANTHRACENE	1	9.8	9.8	1	U	

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3047
Lab ID: 0110024-2

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 16-Oct-01

Prep Batch: EX011008-1
QCBatchID: EX011008-1-1
Run ID: SV011016-2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 1020 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5699

91-94-1	3,3'-DICHLOROBENZIDINE	1	49	49	9.6	U	
218-01-9	CHRYSENE	1	9.8	9.8	1.2	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	9.8	9.8	2	U	
117-84-0	DI-N-OCTYL PHTHALATE	1	9.8	9.8	1	U	
205-99-2	BENZO(B)FLUORANTHENE	1	9.8	9.8	0.82	U	
207-08-9	BENZO(K)FLUORANTHENE	1	9.8	9.8	1.3	U	
50-32-8	BENZO(A)PYRENE	1	9.8	9.8	1.1	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	1	9.8	9.8	1.1	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	1	9.8	9.8	3.1	U	
191-24-2	BENZO(G,H,I)PERYLENE	1	9.8	9.8	1.1	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	71		73.5	97	25 - 134
321-60-8	2-FLUOROBIPHENYL	40.1		49	82	43 - 125
367-12-4	2-FLUOROPHENOL	45		73.5	61	25 - 125
4165-60-0	NITROBENZENE-D5	30.2		49	62	32 - 125
4165-62-2	PHENOL-D5	58.3		73.5	79	25 - 125
1718-51-0	TERPHENYL-D14	50.3		49	103	42 - 126

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3049
Lab ID: 0110024-3

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 16-Oct-01

Prep Batch: EX011008-1
QCBatchID: EX011008-1-1
Run ID: SV011016-2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5700

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
110-86-1	PYRIDINE	1	10	10	1.3	U	
62-75-9	N-NITROSODIMETHYLAMINE	1	10	10	1.4	U	
62-53-3	ANILINE	1	25	25	1.1	U	
108-95-2	PHENOL	1	10	10	1.3	U	
111-44-4	BIS(2-CHLOROETHYL)ETHER	1	10	10	1.5	U	
95-57-8	2-CHLOROPHENOL	1	10	10	1.3	U	
541-73-1	1,3-DICHLOROBENZENE	1	10	10	1.9	U	
106-46-7	1,4-DICHLOROBENZENE	1	10	10	2	U	
95-50-1	1,2-DICHLOROBENZENE	1	10	10	1.9	U	
100-51-6	BENZYL ALCOHOL	1	10	10	1.3	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1	10	10	1.5	U	
95-48-7	2-METHYLPHENOL	1	10	10	1.3	U	
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1	10	10	1.3	U	
106-44-5	4-METHYLPHENOL	1	10	10	1.1	U	
67-72-1	HEXACHLOROETHANE	1	10	10	2	U	
98-95-3	NITROBENZENE	1	10	10	1.2	U	
78-59-1	ISOPHORONE	1	10	10	1.4	U	
88-75-5	2-NITROPHENOL	1	10	10	1.5	U	
105-67-9	2,4-DIMETHYLPHENOL	1	10	10	1.3	U	
111-91-1	BIS(2-CHLOROETHOXY)METHANE	1	10	10	1.4	U	
120-83-2	2,4-DICHLOROPHENOL	1	10	10	1.5	U	
65-85-0	BENZOIC ACID	1	50	50	6.1	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	10	10	1.9	U	
91-20-3	NAPHTHALENE	1	10	10	1.5	U	
106-47-8	4-CHLOROANILINE	1	20	20	1.3	U	
87-68-3	HEXACHLOROBUTADIENE	1	10	10	2	U	
59-50-7	4-CHLORO-3-METHYLPHENOL	1	10	10	1.3	U	
91-57-6	2-METHYLNAPHTHALENE	1	10	10	1.4	U	
77-47-4	HEXACHLOROCYCLOPENTADIENE	1	10	10	1.8	U	

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3049
Lab ID: 0110024-3

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 16-Oct-01

Prep Batch: EX011008-1
QCBatchID: EX011008-1-1
Run ID: SV011016-2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5700

88-06-2	2,4,6-TRICHLOROPHENOL	1	10	10	1.5	U	
95-95-4	2,4,5-TRICHLOROPHENOL	1	10	10	1.3	U	
91-58-7	2-CHLORONAPHTHALENE	1	10	10	1.4	U	
88-74-4	2-NITROANILINE	1	50	50	2.7	U	
131-11-3	DIMETHYL PHTHALATE	1	10	10	1.4	U	
606-20-2	2,6-DINITROTOLUENE	1	10	10	1.5	U	
208-96-8	ACENAPHTHYLENE	1	10	10	1.3	U	
99-09-2	3-NITROANILINE	1	50	50	3.9	U	
83-32-9	ACENAPHTHENE	1	10	10	1.4	U	
51-28-5	2,4-DINITROPHENOL	1	50	50	7.6	U	
100-02-7	4-NITROPHENOL	1	50	50	5.3	U	
132-64-9	DIBENZOFURAN	1	10	10	1.4	U	
121-14-2	2,4-DINITROTOLUENE	1	10	10	1.5	U	
84-66-2	DIETHYL PHTHALATE	1	10	10	1.4	U	
86-73-7	FLUORENE	1	10	10	1.3	U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	1	10	10	1.2	U	
100-01-6	4-NITROANILINE	1	50	50	13	U	
103-33-3	AZOBENZENE	1	10	10	1.4	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1	50	50	5.4	U	
86-30-6	N-NITROSODIPHENYLAMINE	1	10	10	2.5	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	1	10	10	1.4	U	
118-74-1	HEXACHLOROBENZENE	1	10	10	1.5	U	
87-86-5	PENTACHLOROPHENOL	1	50	50	5.2	U	
85-01-8	PHENANTHRENE	1	10	10	1.5	U	
120-12-7	ANTHRACENE	1	10	10	1.5	U	
86-74-8	CARBAZOLE	1	10	10	1.5	U	
84-74-2	DI-N-BUTYL PHTHALATE	1	10	10	1.8	U	
206-44-0	FLUORANTHENE	1	10	10	1.3	U	
92-87-5	BENZIDINE	1	50	50	40	U	
129-00-0	PYRENE	1	10	10	2	U	
85-68-7	BUTYL BENZYL PHTHALATE	1	10	10	1.4	U	
56-55-3	BENZO(A)ANTHRACENE	1	10	10	1	U	

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3049
Lab ID: 0110024-3

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 08-Oct-01
Date Analyzed: 16-Oct-01

Prep Batch: EX011008-1
QCBatchID: EX011008-1-1
Run ID: SV011016-2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5700

91-94-1	3,3'-DICHLOROBENZIDINE	1	50	50	9.8	U	
218-01-9	CHRYSENE	1	10	10	1.3	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	10	10	2.1	U	
117-84-0	DI-N-OCTYL PHTHALATE	1	10	10	1	U	
205-99-2	BENZO(B)FLUORANTHENE	1	10	10	0.84	U	
207-08-9	BENZO(K)FLUORANTHENE	1	10	10	1.4	U	
50-32-8	BENZO(A)PYRENE	1	10	10	1.2	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	1	10	10	1.1	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	1	10	10	3.2	U	
191-24-2	BENZO(G,H,I)PERYLENE	1	10	10	1.1	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	65.5		75	87	25 - 134
321-60-8	2-FLUOROBIPHENYL	41.1		50	82	43 - 125
367-12-4	2-FLUOROPHENOL	57.1		75	76	25 - 125
4165-60-0	NITROBENZENE-D5	38.8		50	78	32 - 125
4165-62-2	PHENOL-D5	60.1		75	80	25 - 125
1718-51-0	TERPHENYL-D14	42.7		50	85	42 - 126

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011011-3MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/11/2001
Date Analyzed: 10/16/2001

Prep Batch: EX011011-3
QCBatchID: EX011011-3-1
Run ID: SV011016-2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5701

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
110-86-1	PYRIDINE	1	10	10	1.3	U	
62-75-9	N-NITROSODIMETHYLAMINE	1	10	10	1.4	U	
62-53-3	ANILINE	1	25	25	1.1	U	
108-95-2	PHENOL	1	10	10	1.3	U	
111-44-4	BIS(2-CHLOROETHYL)ETHER	1	10	10	1.5	U	
95-57-8	2-CHLOROPHENOL	1	10	10	1.3	U	
541-73-1	1,3-DICHLOROBENZENE	1	10	10	1.9	U	
106-46-7	1,4-DICHLOROBENZENE	1	10	10	2	U	
95-50-1	1,2-DICHLOROBENZENE	1	10	10	1.9	U	
100-51-6	BENZYL ALCOHOL	1	10	10	1.3	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1	10	10	1.5	U	
95-48-7	2-METHYLPHENOL	1	10	10	1.3	U	
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1	10	10	1.3	U	
106-44-5	4-METHYLPHENOL	1	10	10	1.1	U	
67-72-1	HEXACHLOROETHANE	1	10	10	2	U	
98-95-3	NITROBENZENE	1	10	10	1.2	U	
78-59-1	ISOPHORONE	1	10	10	1.4	U	
88-75-5	2-NITROPHENOL	1	10	10	1.5	U	
105-67-9	2,4-DIMETHYLPHENOL	1	10	10	1.3	U	
111-91-1	BIS(2-CHLOROETHOXY)METHANE	1	10	10	1.4	U	
120-83-2	2,4-DICHLOROPHENOL	1	10	10	1.5	U	
65-85-0	BENZOIC ACID	1	50	50	6.1	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	10	10	1.9	U	
91-20-3	NAPHTHALENE	1	10	10	1.5	U	
106-47-8	4-CHLOROANILINE	1	20	20	1.3	U	
87-68-3	HEXACHLOROBUTADIENE	1	10	10	2	U	
59-50-7	4-CHLORO-3-METHYLPHENOL	1	10	10	1.3	U	
91-57-6	2-METHYLNAPHTHALENE	1	10	10	1.4	U	
77-47-4	HEXACHLOROCYCLOPENTADIENE	1	10	10	1.8	U	
88-06-2	2,4,6-TRICHLOROPHENOL	1	10	10	1.5	U	

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011011-3MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/11/2001
Date Analyzed: 10/16/2001

Prep Batch: EX011011-3
QCBatchID: EX011011-3-1
Run ID: SV011016-2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5701

95-95-4	2,4,5-TRICHLOROPHENOL	1	10	10	1.3	U	
91-58-7	2-CHLORONAPHTHALENE	1	10	10	1.4	U	
88-74-4	2-NITROANILINE	1	50	50	2.7	U	
131-11-3	DIMETHYL PHTHALATE	1	10	10	1.4	U	
606-20-2	2,6-DINITROTOLUENE	1	10	10	1.5	U	
208-96-8	ACENAPHTHYLENE	1	10	10	1.3	U	
99-09-2	3-NITROANILINE	1	50	50	3.9	U	
83-32-9	ACENAPHTHENE	1	10	10	1.4	U	
51-28-5	2,4-DINITROPHENOL	1	50	50	7.6	U	
100-02-7	4-NITROPHENOL	1	50	50	5.3	U	
132-64-9	DIBENZOFURAN	1	10	10	1.4	U	
121-14-2	2,4-DINITROTOLUENE	1	10	10	1.5	U	
84-66-2	DIETHYL PHTHALATE	1	10	10	1.4	U	
86-73-7	FLUORENE	1	10	10	1.3	U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	1	10	10	1.2	U	
100-01-6	4-NITROANILINE	1	50	50	13	U	
103-33-3	AZOBENZENE	1	10	10	1.4	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1	50	50	5.4	U	
86-30-6	N-NITROSODIPHENYLAMINE	1	10	10	2.5	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	1	10	10	1.4	U	
118-74-1	HEXACHLOROBENZENE	1	10	10	1.5	U	
87-86-5	PENTACHLOROPHENOL	1	50	50	5.2	U	
85-01-8	PHENANTHRENE	1	10	10	1.5	U	
120-12-7	ANTHRACENE	1	10	10	1.5	U	
86-74-8	CARBAZOLE	1	10	10	1.5	U	
84-74-2	DI-N-BUTYL PHTHALATE	1	10	10	1.8	U	
206-44-0	FLUORANTHENE	1	10	10	1.3	U	
92-87-5	BENZIDINE	1	50	50	40	U	
129-00-0	PYRENE	1	10	10	2	U	
85-68-7	BUTYL BENZYL PHTHALATE	1	10	10	1.4	U	
56-55-3	BENZO(A)ANTHRACENE	1	10	10	1	U	
91-94-1	3,3'-DICHLOROBENZIDINE	1	50	50	9.8	U	

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011011-3MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/11/2001
Date Analyzed: 10/16/2001

Prep Batch: EX011011-3
QCBatchID: EX011011-3-1
Run ID: SV011016-2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5701

218-01-9	CHRYSENE	1	10	10	1.3	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	10	10	2.1	U	
117-84-0	DI-N-OCTYL PHTHALATE	1	10	10	1	U	
205-99-2	BENZO(B)FLUORANTHENE	1	10	10	0.84	U	
207-08-9	BENZO(K)FLUORANTHENE	1	10	10	1.4	U	
50-32-8	BENZO(A)PYRENE	1	10	10	1.2	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	1	10	10	1.1	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	1	10	10	3.2	U	
191-24-2	BENZO(G,H,I)PERYLENE	1	10	10	1.1	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	60.9		75	81	25 - 134
321-60-8	2-FLUOROBIPHENYL	42.1		50	84	43 - 125
367-12-4	2-FLUOROPHENOL	62.1		75	83	25 - 125
4165-60-0	NITROBENZENE-D5	41.1		50	82	32 - 125
4165-62-2	PHENOL-D5	63.4		75	85	25 - 125
1718-51-0	TERPHENYL-D14	41.7		50	83	42 - 126

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3051
Lab ID: 0110024-4

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 11-Oct-01
Date Analyzed: 17-Oct-01

Prep Batch: EX011011-3
QCBatchID: EX011011-3-1
Run ID: SV011016-2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 640 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5704

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
110-86-1	PYRIDINE	1	16	16	2	U	
62-75-9	N-NITROSODIMETHYLAMINE	1	16	16	2.2	U	
62-53-3	ANILINE	1	39	39	1.7	U	
108-95-2	PHENOL	1	16	16	2	U	
111-44-4	BIS(2-CHLOROETHYL)ETHER	1	16	16	2.3	U	
95-57-8	2-CHLOROPHENOL	1	16	16	2	U	
541-73-1	1,3-DICHLOROBENZENE	1	16	16	3	U	
106-46-7	1,4-DICHLOROBENZENE	1	16	16	3.1	U	
95-50-1	1,2-DICHLOROBENZENE	1	16	16	3	U	
100-51-6	BENZYL ALCOHOL	1	16	16	2	U	
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	1	16	16	2.3	U	
95-48-7	2-METHYLPHENOL	1	16	16	2.1	U	
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	1	16	16	2	U	
106-44-5	4-METHYLPHENOL	1	16	16	1.8	U	
67-72-1	HEXACHLOROETHANE	1	16	16	3.1	U	
98-95-3	NITROBENZENE	1	16	16	1.9	U	
78-59-1	ISOPHORONE	1	16	16	2.2	U	
88-75-5	2-NITROPHENOL	1	16	16	2.3	U	
105-67-9	2,4-DIMETHYLPHENOL	1	16	16	2	U	
111-91-1	BIS(2-CHLOROETHOXY)METHANE	1	16	16	2.2	U	
120-83-2	2,4-DICHLOROPHENOL	1	16	16	2.3	U	
65-85-0	BENZOIC ACID	1	78	78	9.6	U	
120-82-1	1,2,4-TRICHLOROBENZENE	1	16	16	2.9	U	
91-20-3	NAPHTHALENE	1	16	16	2.3	U	
106-47-8	4-CHLOROANILINE	1	31	31	2.1	U	
87-68-3	HEXACHLOROBUTADIENE	1	16	16	3.2	U	
59-50-7	4-CHLORO-3-METHYLPHENOL	1	16	16	2	U	
91-57-6	2-METHYLNAPHTHALENE	1	16	16	2.2	U	
77-47-4	HEXACHLOROCYCLOPENTADIENE	1	16	16	2.9	U	

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3051
Lab ID: 0110024-4

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 11-Oct-01
Date Analyzed: 17-Oct-01

Prep Batch: EX011011-3
QCBatchID: EX011011-3-1
Run ID: SV011016-2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 640 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5704

88-06-2	2,4,6-TRICHLOROPHENOL	1	16	16	2.4	U	
95-95-4	2,4,5-TRICHLOROPHENOL	1	16	16	2	U	
91-58-7	2-CHLORONAPHTHALENE	1	16	16	2.1	U	
88-74-4	2-NITROANILINE	1	78	78	4.3	U	
131-11-3	DIMETHYL PHTHALATE	1	16	16	2.2	U	
606-20-2	2,6-DINITROTOLUENE	1	16	16	2.4	U	
208-96-8	ACENAPHTHYLENE	1	16	16	2	U	
99-09-2	3-NITROANILINE	1	78	78	6.1	U	
83-32-9	ACENAPHTHENE	1	16	16	2.2	U	
51-28-5	2,4-DINITROPHENOL	1	78	78	12	U	
100-02-7	4-NITROPHENOL	1	78	78	8.3	U	
132-64-9	DIBENZOFURAN	1	16	16	2.2	U	
121-14-2	2,4-DINITROTOLUENE	1	16	16	2.3	U	
84-66-2	DIETHYL PHTHALATE	1	16	16	2.2	U	
86-73-7	FLUORENE	1	16	16	2.1	U	
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	1	16	16	1.8	U	
100-01-6	4-NITROANILINE	1	78	78	21	U	
103-33-3	AZOBENZENE	1	16	16	2.1	U	
534-52-1	4,6-DINITRO-2-METHYLPHENOL	1	78	78	8.5	U	
86-30-6	N-NITROSODIPHENYLAMINE	1	16	16	3.9	U	
101-55-3	4-BROMOPHENYL PHENYL ETHER	1	16	16	2.2	U	
118-74-1	HEXACHLOROBENZENE	1	16	16	2.3	U	
87-86-5	PENTACHLOROPHENOL	1	78	78	8.1	U	
85-01-8	PHENANTHRENE	1	16	16	2.4	U	
120-12-7	ANTHRACENE	1	16	16	2.3	U	
86-74-8	CARBAZOLE	1	16	16	2.3	U	
84-74-2	DI-N-BUTYL PHTHALATE	1	16	16	2.8	U	
206-44-0	FLUORANTHENE	1	16	16	2	U	
92-87-5	BENZIDINE	1	78	78	62	U	
129-00-0	PYRENE	1	16	16	3.1	U	
85-68-7	BUTYL BENZYL PHTHALATE	1	16	16	2.2	U	
56-55-3	BENZO(A)ANTHRACENE	1	16	16	1.6	U	

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3051
Lab ID: 0110024-4

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 11-Oct-01
Date Analyzed: 17-Oct-01

Prep Batch: EX011011-3
QCBatchID: EX011011-3-1
Run ID: SV011016-2
Cleanup: NONE
Basis: As Received

Sample Aliquot: 640 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1
File Name: P5704

91-94-1	3,3'-DICHLOROBENZIDINE	1	78	78	15	U	
218-01-9	CHRYSENE	1	16	16	2	U	
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	1	16	16	3.2	U	
117-84-0	DI-N-OCTYL PHTHALATE	1	16	16	1.6	U	
205-99-2	BENZO(B)FLUORANTHENE	1	16	16	1.3	U	
207-08-9	BENZO(K)FLUORANTHENE	1	16	16	2.1	U	
50-32-8	BENZO(A)PYRENE	1	16	16	1.8	U	
193-39-5	INDENO(1,2,3-CD)PYRENE	1	16	16	1.8	U	
53-70-3	DIBENZO(A,H)ANTHRACENE	1	16	16	5	U	
191-24-2	BENZO(G,H,I)PERYLENE	1	16	16	1.8	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	92.8		117	79	25 - 134
321-60-8	2-FLUOROBIPHENYL	62.7		78.1	80	43 - 125
367-12-4	2-FLUOROPHENOL	83.1		117	71	25 - 125
4165-60-0	NITROBENZENE-D5	59.7		78.1	76	32 - 125
4165-62-2	PHENOL-D5	87.8		117	75	25 - 125
1718-51-0	TERPHENYL-D14	67.3		78.1	86	42 - 126

Data Package ID: *SV0110024-1*

Supporting QA/QC Data

Surrogate Summary for GC/MS Semi-volatiles

Method SW8270

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

PrepBatchID: EX011008-1
QC Batch ID: EX011008-1-1
Date Extracted: 10/8/2001

Surrogate Compound	Control Limits Lower	Control Limits Upper
2,4,6-Tribromophenol	25	134
2-Fluorobiphenyl	43	125
2-Fluorophenol	25	125
Nitrobenzene-d5	32	125
Phenol-d5	25	125
Terphenyl-d14	42	126

Lab ID	Client Sample ID	Date Collected	Date Received	246TB % Recovery	2FBP % Recovery	2FP % Recovery	ND5 % Recovery	PD5 % Recovery	TD14 % Recovery
0110024-1	BD3045	10/4/2001	10/6/2001	88	81	66	69	73	73
0110024-2	BD3047	10/4/2001	10/6/2001	97	82	61	62	79	103
0110024-3	BD3049	10/4/2001	10/6/2001	87	82	76	78	80	85
EX011008-1LCS	XXXXXXX	NA	XXXXXXX	104	92	79	85	85	110
EX011008-1MB	XXXXXXX	NA	XXXXXXX	87	88	82	85	85	102

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Laboratory Control Standard

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011008-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/08/2001
Date Analyzed: 10/16/2001

Prep Batch: EX011008-1
QCBatchID: EX011008-1-1
Run ID: SV011016-2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
110-86-1	PYRIDINE	100	70.4	10		70	25 - 125%
62-75-9	N-NITROSODIMETHYLAMINE	100	83.2	10		83	25 - 125%
62-53-3	ANILINE	100	63.8	25		64	25 - 125%
108-95-2	PHENOL	100	87.5	10		87	25 - 125%
111-44-4	BIS(2-CHLOROETHYL)ETHER	100	85.3	10		85	44 - 125%
95-57-8	2-CHLOROPHENOL	100	85.8	10		86	41 - 125%
541-73-1	1,3-DICHLOROBENZENE	100	74.9	10		75	36 - 125%
106-46-7	1,4-DICHLOROBENZENE	100	76.2	10		76	30 - 125%
95-50-1	1,2-DICHLOROBENZENE	100	78	10		78	42 - 155%
100-51-6	BENZYL ALCOHOL	100	90.9	10		91	35 - 125%
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	100	84.6	10		85	36 - 166%
95-48-7	2-METHYLPHENOL	100	87.1	10		87	25 - 125%
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	100	88.7	10		89	37 - 125%
106-44-5	4-METHYLPHENOL	100	89.4	10		89	33 - 125%
67-72-1	HEXACHLOROETHANE	100	70.6	10		71	25 - 153%
98-95-3	NITROBENZENE	100	89.6	10		90	46 - 133%
78-59-1	ISOPHORONE	100	81	10		81	26 - 175%
88-75-5	2-NITROPHENOL	100	91.9	10		92	44 - 125%
105-67-9	2,4-DIMETHYLPHENOL	100	79.3	10		79	45 - 139%
111-91-1	BIS(2-CHLOROETHOXY)METHANE	100	87.7	10		88	49 - 125%
120-83-2	2,4-DICHLOROPHENOL	100	92.1	10		92	46 - 125%
65-85-0	BENZOIC ACID	100	66.1	50		66	25 - 162%
120-82-1	1,2,4-TRICHLOROBENZENE	100	81.9	10		82	44 - 142%
91-20-3	NAPHTHALENE	100	86.6	10		87	50 - 125%
106-47-8	4-CHLOROANILINE	100	79.6	20		80	45 - 136%
87-68-3	HEXACHLOROBUTADIENE	100	72.6	10		73	25 - 125%
59-50-7	4-CHLORO-3-METHYLPHENOL	100	95	10		95	44 - 125%
91-57-6	2-METHYLNAPHTHALENE	100	87.7	10		88	41 - 125%

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011008-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/08/2001
Date Analyzed: 10/16/2001

Prep Batch: EX011008-1
QCBatchID: EX011008-1-1
Run ID: SV011016-2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1

77-47-4	HEXACHLOROCYCLOPENTADIENE	100	29.8	10	*	30	41 - 125%
88-06-2	2,4,6-TRICHLOROPHENOL	100	97.6	10		98	39 - 128%
95-95-4	2,4,5-TRICHLOROPHENOL	100	97.4	10		97	25 - 175%
91-58-7	2-CHLORONAPHTHALENE	100	90.9	10		91	60 - 125%
88-74-4	2-NITROANILINE	100	88.5	50		89	50 - 125%
131-11-3	DIMETHYL PHTHALATE	100	95.1	10		95	25 - 175%
606-20-2	2,6-DINITROTOLUENE	100	98.3	10		98	51 - 125%
208-96-8	ACENAPHTHYLENE	100	86.6	10		87	47 - 125%
99-09-2	3-NITROANILINE	100	95.2	50		95	51 - 125%
83-32-9	ACENAPHTHENE	100	93.3	10		93	49 - 125%
51-28-5	2,4-DINITROPHENOL	100	104	50		104	30 - 151%
100-02-7	4-NITROPHENOL	100	103	50		103	25 - 131%
132-64-9	DIBENZOFURAN	100	93.1	10		93	52 - 125%
121-14-2	2,4-DINITROTOLUENE	100	102	10		102	39 - 139%
84-66-2	DIETHYL PHTHALATE	100	97.9	10		98	37 - 125%
86-73-7	FLUORENE	100	93.1	10		93	48 - 139%
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	100	93.6	10		94	51 - 132%
100-01-6	4-NITROANILINE	100	97.4	50		97	40 - 143%
103-33-3	AZOBENZENE	100	86.8	10		87	25 - 125%
534-52-1	4,6-DINITRO-2-METHYLPHENOL	100	107	50		107	26 - 134%
86-30-6	N-NITROSODIPHENYLAMINE	100	87.1	10		87	27 - 125%
101-55-3	4-BROMOPHENYL PHENYL ETHER	100	92.4	10		92	53 - 127%
118-74-1	HEXACHLOROBENZENE	100	91.9	10		92	46 - 133%
87-86-5	PENTACHLOROPHENOL	100	102	50		102	28 - 136%
85-01-8	PHENANTHRENE	100	93.4	10		93	54 - 125%
120-12-7	ANTHRACENE	100	93	10		93	45 - 165%
86-74-8	CARBAZOLE	100	98.3	10		98	25 - 125%
84-74-2	DI-N-BUTYL PHTHALATE	100	94.7	10		95	34 - 126%
206-44-0	FLUORANTHENE	100	95.6	10		96	47 - 125%
92-87-5	BENZIDINE	100	123	50	J*	12	25 - 125%
129-00-0	PYRENE	100	106	10		106	47 - 136%

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Laboratory Control Standard

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011008-1LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/08/2001
Date Analyzed: 10/16/2001

Prep Batch: EX011008-1
QCBatchID: EX011008-1-1
Run ID: SV011016-2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1

85-68-7	BUTYL BENZYL PHTHALATE	100	104	10		104	26 - 125%
56-55-3	BENZO(A)ANTHRACENE	100	93.2	10		93	51 - 133%
91-94-1	3,3'-DICHLOROBENZIDINE	100	112	50		112	29 - 175%
218-01-9	CHRYSENE	100	90.3	10		90	55 - 133%
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	100	99.8	10		100	33 - 129%
117-84-0	DI-N-OCTYL PHTHALATE	100	101	10		101	38 - 127%
205-99-2	BENZO(B)FLUORANTHENE	100	102	10		102	37 - 125%
207-08-9	BENZO(K)FLUORANTHENE	100	90.6	10		91	75 - 125%
50-32-8	BENZO(A)PYRENE	100	87.2	10		87	41 - 125%
193-39-5	INDENO(1,2,3-CD)PYRENE	100	90.1	10		90	27 - 160%
53-70-3	DIBENZO(A,H)ANTHRACENE	100	89.1	10		89	50 - 125%
191-24-2	BENZO(G,H,I)PERYLENE	100	88.8	10		89	34 - 149%

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	78		75	104	25 - 134
321-60-8	2-FLUOROBIPHENYL	46		50	92	43 - 125
367-12-4	2-FLUOROPHENOL	59.1		75	79	25 - 125
4165-60-0	NITROBENZENE-D5	42.6		50	85	32 - 125
4165-62-2	PHENOL-D5	63.9		75	85	25 - 125
1718-51-0	TERPHENYL-D14	54.8		50	110	42 - 126

Data Package ID: *SV0110024-1*

Prep Batch ID: EX011008-1

Start Date: 10/8/01
Start Time: 14:00
Prep Analyst: Eric Bayless

End Date: 10/10/01
End Time: 8:00

Concentration Method: CKIS
Extract Method: SW3520
Initial Volume Units: ML
Final Volume Units: ML

Batch Created By: edb
Date Created: 10/8/01
Time Created: 11:28
Validated By: ljf
Date Validated: 10/11/01
Time Validated: 15:39

Comments:

QC Batch ID: EX011008-1-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
EX011008-1	MB	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0110024
EX011008-1	LCS	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0110024
0110024-1	SMP	BD3045	WATER	10/4/2001	920	1	NONE	1	0110024
0110024-2	SMP	BD3047	WATER	10/4/2001	1020	1	NONE	1	0110024
0110024-3	SMP	BD3049	WATER	10/4/2001	1000	1	NONE	1	0110024

QC Types

DUP	Laboratory Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MB	Method Blank
MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

Paragon Analytics Inc.
LIMS Version: 1.956

Date Printed: Tuesday, October 23, 2001

Surrogate Summary for GC/MS Semi-volatiles

Method SW8270

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

PrepBatchID: EX011011-3
QC Batch ID: EX011011-3-1
Date Extracted: 10/11/2001

Surrogate Compound	Control Limits Lower	Control Limits Upper
2,4,6-Tribromophenol	25	134
2-Fluorobiphenyl	43	125
2-Fluorophenol	25	125
Nitrobenzene-d5	32	125
Phenol-d5	25	125
Terphenyl-d14	42	126

Lab ID	Client Sample ID	Date Collected	Date Received	246TB % Recovery	2FBP % Recovery	2FP % Recovery	ND5 % Recovery	PD5 % Recovery	TD14 % Recovery
0110024-4	BD3051	10/4/2001	10/6/2001	79	80	71	76	75	86
EX011011-3LCS	XXXXXXX	NA	XXXXXXX	104	89	83	85	85	90
EX011011-3LCSD	XXXXXXX	NA	XXXXXXX	92	94	83	86	84	87
EX011011-3MB	XXXXXXX	NA	XXXXXXX	81	84	83	82	85	83

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011011-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/11/2001
Date Analyzed: 10/17/2001

Prep Batch: EX011011-3
QCBatchID: EX011011-3-1
Run ID: SV011016-2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
110-86-1	PYRIDINE	100	78.2	10		78	25 - 125%
62-75-9	N-NITROSODIMETHYLAMINE	100	87.4	10		87	25 - 125%
62-53-3	ANILINE	100	66.1	25		66	25 - 125%
108-95-2	PHENOL	100	85.7	10		86	25 - 125%
111-44-4	BIS(2-CHLOROETHYL)ETHER	100	84.8	10		85	44 - 125%
95-57-8	2-CHLOROPHENOL	100	85.7	10		86	41 - 125%
541-73-1	1,3-DICHLOROBENZENE	100	75.3	10		75	36 - 125%
106-46-7	1,4-DICHLOROBENZENE	100	76.7	10		77	30 - 125%
95-50-1	1,2-DICHLOROBENZENE	100	78.4	10		78	42 - 155%
100-51-6	BENZYL ALCOHOL	100	87.2	10		87	35 - 125%
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	100	86.5	10		87	36 - 166%
95-48-7	2-METHYLPHENOL	100	85.3	10		85	25 - 125%
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	100	86.2	10		86	37 - 125%
106-44-5	4-METHYLPHENOL	100	85.8	10		86	33 - 125%
67-72-1	HEXACHLOROETHANE	100	68.9	10		69	25 - 153%
98-95-3	NITROBENZENE	100	87.6	10		88	46 - 133%
78-59-1	ISOPHORONE	100	79.4	10		79	26 - 175%
88-75-5	2-NITROPHENOL	100	88.8	10		89	44 - 125%
105-67-9	2,4-DIMETHYLPHENOL	100	75.7	10		76	45 - 139%
111-91-1	BIS(2-CHLOROETHOXY)METHANE	100	87.1	10		87	49 - 125%
120-83-2	2,4-DICHLOROPHENOL	100	88.3	10		88	46 - 125%
65-85-0	BENZOIC ACID	100	39.3	50	J	39	25 - 162%
120-82-1	1,2,4-TRICHLOROBENZENE	100	81.9	10		82	44 - 142%
91-20-3	NAPHTHALENE	100	86.2	10		86	50 - 125%
106-47-8	4-CHLOROANILINE	100	77.9	20		78	45 - 136%
87-68-3	HEXACHLOROBUTADIENE	100	72.9	10		73	25 - 125%
59-50-7	4-CHLORO-3-METHYLPHENOL	100	92.4	10		92	44 - 125%
91-57-6	2-METHYLNAPHTHALENE	100	87.7	10		88	41 - 125%

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011011-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/11/2001
Date Analyzed: 10/17/2001

Prep Batch: EX011011-3
QCBatchID: EX011011-3-1
Run ID: SV011016-2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1

77-47-4	HEXACHLOROCYCLOPENTADIENE	100	16.7	10	*	17	41 - 125%
88-06-2	2,4,6-TRICHLOROPHENOL	100	93.9	10		94	39 - 128%
95-95-4	2,4,5-TRICHLOROPHENOL	100	92.4	10		92	25 - 175%
91-58-7	2-CHLORONAPHTHALENE	100	87.9	10		88	60 - 125%
88-74-4	2-NITROANILINE	100	85.1	50		85	50 - 125%
131-11-3	DIMETHYL PHTHALATE	100	95.9	10		96	25 - 175%
606-20-2	2,6-DINITROTOLUENE	100	97.4	10		97	51 - 125%
208-96-8	ACENAPHTHYLENE	100	83.3	10		83	47 - 125%
99-09-2	3-NITROANILINE	100	93.3	50		93	51 - 125%
83-32-9	ACENAPHTHENE	100	90.6	10		91	49 - 125%
51-28-5	2,4-DINITROPHENOL	100	90.3	50		90	30 - 151%
100-02-7	4-NITROPHENOL	100	100	50		100	25 - 131%
132-64-9	DIBENZOFURAN	100	92.8	10		93	52 - 125%
121-14-2	2,4-DINITROTOLUENE	100	102	10		102	39 - 139%
84-66-2	DIETHYL PHTHALATE	100	100	10		100	37 - 125%
86-73-7	FLUORENE	100	95.7	10		96	48 - 139%
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	100	94.5	10		95	51 - 132%
100-01-6	4-NITROANILINE	100	98.8	50		99	40 - 143%
103-33-3	AZOBENZENE	100	88.9	10		89	25 - 125%
534-52-1	4,6-DINITRO-2-METHYLPHENOL	100	99.6	50		100	26 - 134%
86-30-6	N-NITROSODIPHENYLAMINE	100	74.7	10		75	27 - 125%
101-55-3	4-BROMOPHENYL PHENYL ETHER	100	87.6	10		88	53 - 127%
118-74-1	HEXACHLOROBENZENE	100	88.1	10		88	46 - 133%
87-86-5	PENTACHLOROPHENOL	100	94.8	50		95	28 - 136%
85-01-8	PHENANTHRENE	100	91.4	10		91	54 - 125%
120-12-7	ANTHRACENE	100	89.7	10		90	45 - 165%
86-74-8	CARBAZOLE	100	98.9	10		99	25 - 125%
84-74-2	DI-N-BUTYL PHTHALATE	100	96.3	10		96	34 - 126%
206-44-0	FLUORANTHENE	100	101	10		101	47 - 125%
92-87-5	BENZIDINE	100	10.1	50	J*	10	25 - 125%
129-00-0	PYRENE	100	84.4	10		84	47 - 136%

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011011-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/11/2001
Date Analyzed: 10/17/2001

Prep Batch: EX011011-3
QCBatchID: EX011011-3-1
Run ID: SV011016-2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1

85-68-7	BUTYL BENZYL PHTHALATE	100	93.7	10		94	26 - 125%
56-55-3	BENZO(A)ANTHRACENE	100	90.4	10		90	51 - 133%
91-94-1	3,3'-DICHLOROBENZIDINE	100	115	50		115	29 - 175%
218-01-9	CHRYSENE	100	88.7	10		89	55 - 133%
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	100	94.9	10		95	33 - 129%
117-84-0	DI-N-OCTYL PHTHALATE	100	97.7	10		98	38 - 127%
205-99-2	BENZO(B)FLUORANTHENE	100	93.9	10		94	37 - 125%
207-08-9	BENZO(K)FLUORANTHENE	100	90.3	10		90	75 - 125%
50-32-8	BENZO(A)PYRENE	100	80.4	10		80	41 - 125%
193-39-5	INDENO(1,2,3-CD)PYRENE	100	94	10		94	27 - 160%
53-70-3	DIBENZO(A,H)ANTHRACENE	100	91.6	10		92	50 - 125%
191-24-2	BENZO(G,H,I)PERYLENE	100	96.9	10		97	34 - 149%

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011011-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/11/2001
Date Analyzed: 10/17/2001

Prep Batch: EX011011-3
QCBatchID: EX011011-3-1
Run ID: SV011016-2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1

Lab ID: EX011011-3LCSD

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
110-86-1	PYRIDINE	100	72.4	10	72		8	20
62-75-9	N-NITROSODIMETHYLAMINE	100	89.1	10	89		2	20
62-53-3	ANILINE	100	62.2	25	62		6	20
108-95-2	PHENOL	100	86.1	10	86		0	20
111-44-4	BIS(2-CHLOROETHYL)ETHER	100	82.9	10	83		2	20
95-57-8	2-CHLOROPHENOL	100	85.3	10	85		0	20
541-73-1	1,3-DICHLOROBENZENE	100	76.4	10	76		2	20
106-46-7	1,4-DICHLOROBENZENE	100	77.6	10	78		1	20
95-50-1	1,2-DICHLOROBENZENE	100	78.5	10	78		0	20
100-51-6	BENZYL ALCOHOL	100	86.8	10	87		0	20
108-60-1	BIS(2-CHLOROISOPROPYL)ETHER	100	82	10	82		5	20
95-48-7	2-METHYLPHENOL	100	83.3	10	83		2	20
621-64-7	N-NITROSO-DI-N-PROPYLAMINE	100	82	10	82		5	20
106-44-5	4-METHYLPHENOL	100	83.7	10	84		3	20
67-72-1	HEXACHLOROETHANE	100	70.4	10	70		2	20
98-95-3	NITROBENZENE	100	91.4	10	91		4	20
78-59-1	ISOPHORONE	100	77.5	10	78		2	20
88-75-5	2-NITROPHENOL	100	92.9	10	93		5	20
105-67-9	2,4-DIMETHYLPHENOL	100	75.9	10	76		0	20
111-91-1	BIS(2-CHLOROETHOXY)METHANE	100	87.2	10	87		0	20
120-83-2	2,4-DICHLOROPHENOL	100	89.2	10	89		1	20
65-85-0	BENZOIC ACID	100	56.2	50	56	+	35	20
120-82-1	1,2,4-TRICHLOROBENZENE	100	82.5	10	82		1	20

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011011-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/11/2001
Date Analyzed: 10/17/2001

Prep Batch: EX011011-3
QCBatchID: EX011011-3-1
Run ID: SV011016-2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1

91-20-3	NAPHTHALENE	100	84.3	10	84		2	20
106-47-8	4-CHLOROANILINE	100	73.9	20	74		5	20
87-68-3	HEXACHLOROBUTADIENE	100	72.4	10	72		1	20
59-50-7	4-CHLORO-3-METHYLPHENOL	100	87.3	10	87		6	20
91-57-6	2-METHYLNAPHTHALENE	100	81.2	10	81		8	20
77-47-4	HEXACHLOROCYCLOPENTADIENE	100	16.6	10	17	*	1	20
88-06-2	2,4,6-TRICHLOROPHENOL	100	98.6	10	99		5	20
95-95-4	2,4,5-TRICHLOROPHENOL	100	95.7	10	96		3	20
91-58-7	2-CHLORONAPHTHALENE	100	90.8	10	91		3	20
88-74-4	2-NITROANILINE	100	84	50	84		1	20
131-11-3	DIMETHYL PHTHALATE	100	92.4	10	92		4	20
606-20-2	2,6-DINITROTOLUENE	100	92.3	10	92		5	20
208-96-8	ACENAPHTHYLENE	100	82.6	10	83		1	20
99-09-2	3-NITROANILINE	100	85.4	50	85		9	20
83-32-9	ACENAPHTHENE	100	89.2	10	89		2	20
51-28-5	2,4-DINITROPHENOL	100	86.7	50	87		4	20
100-02-7	4-NITROPHENOL	100	85.3	50	85		16	20
132-64-9	DIBENZOFURAN	100	88.4	10	88		5	20
121-14-2	2,4-DINITROTOLUENE	100	91.3	10	91		12	20
84-66-2	DIETHYL PHTHALATE	100	90.2	10	90		10	20
86-73-7	FLUORENE	100	86.6	10	87		10	20
7005-72-3	4-CHLOROPHENYL PHENYL ETHER	100	88.6	10	89		6	20
100-01-6	4-NITROANILINE	100	83.5	50	84		17	20
103-33-3	AZOBENZENE	100	80.8	10	81		10	20
534-52-1	4,6-DINITRO-2-METHYLPHENOL	100	101	50	101		2	20
86-30-6	N-NITROSODIPHENYLAMINE	100	83.7	10	84		11	20
101-55-3	4-BROMOPHENYL PHENYL ETHER	100	96	10	96		9	20
118-74-1	HEXACHLOROBENZENE	100	93.4	10	93		6	20

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011011-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/11/2001
Date Analyzed: 10/17/2001

Prep Batch: EX011011-3
QCBatchID: EX011011-3-1
Run ID: SV011016-2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1

87-86-5	PENTACHLOROPHENOL	100	98.8	50	99		4	20
85-01-8	PHENANTHRENE	100	93.8	10	94		3	20
120-12-7	ANTHRACENE	100	91.4	10	91		2	20
86-74-8	CARBAZOLE	100	98.5	10	99		0	20
84-74-2	DI-N-BUTYL PHTHALATE	100	97	10	97		1	20
206-44-0	FLUORANTHENE	100	101	10	101		0	20
92-87-5	BENZIDINE	100	50	50	50	U	0	20
129-00-0	PYRENE	100	82.5	10	83		2	20
85-68-7	BUTYL BENZYL PHTHALATE	100	95.7	10	96		2	20
56-55-3	BENZO(A)ANTHRACENE	100	90.7	10	91		0	20
91-94-1	3,3'-DICHLOROBENZIDINE	100	101	50	101		13	20
218-01-9	CHRYSENE	100	90.3	10	90		2	20
117-81-7	BIS(2-ETHYLHEXYL)PHTHALATE	100	94.5	10	95		0	20
117-84-0	DI-N-OCTYL PHTHALATE	100	103	10	103		5	20
205-99-2	BENZO(B)FLUORANTHENE	100	99.9	10	100		6	20
207-08-9	BENZO(K)FLUORANTHENE	100	90.2	10	90		0	20
50-32-8	BENZO(A)PYRENE	100	83.8	10	84		4	20
193-39-5	INDENO(1,2,3-CD)PYRENE	100	97.6	10	98		4	20
53-70-3	DIBENZO(A,H)ANTHRACENE	100	94.9	10	95		3	20
191-24-2	BENZO(G,H,I)PERYLENE	100	100	10	100		3	20

Data Package ID: *SV0110024-1*

GC/MS Semi-volatiles

Method SW8270

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011011-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/11/2001
Date Analyzed: 10/17/2001

Prep Batch: EX011011-3
QCBatchID: EX011011-3-1
Run ID: SV011016-2
Cleanup: NONE
Basis: N/A

Sample Aliquot: 1000 ML
Final Volume: 1 ML
Result Units: UG/L
CleanupDF: 1

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
118-79-6	2,4,6-TRIBROMOPHENOL	75	104		92		25 - 134
321-60-8	2-FLUOROBIPHENYL	50	89		94		43 - 125
367-12-4	2-FLUOROPHENOL	75	83		83		25 - 125
4165-60-0	NITROBENZENE-D5	50	85		86		32 - 125
4165-62-2	PHENOL-D5	75	85		84		25 - 125
1718-51-0	TERPHENYL-D14	50	90		87		42 - 126

Data Package ID: *SV0110024-1*

Prep Batch ID: EX011011-3

Start Date: 10/11/01
Start Time: 14:00
Prep Analyst: Tory Bonner

End Date: 10/13/01
End Time: 8:00

Concentration Method: CKIS
Extract Method: SW3520
Initial Volume Units: ML
Final Volume Units: ML

Batch Created By: TCB
Date Created: 10/11/01
Time Created: 11:13
Validated By: ljf
Date Validated: 10/15/01
Time Validated: 15:21

Comments:

QC Batch ID: EX011011-3-1

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
EX011011-3	MB	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0110024
EX011011-3	LCS	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0110024
EX011011-3	LCSD	XXXXXX	WATER	XXXXXX	1000	1	NONE	1	0110024
0110024-4	SMP	BD3051	WATER	10/4/2001	640	1	NONE	1	0110024

QC Types

DUP	Laboratory Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MB	Method Blank
MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

Paragon Analytics Inc.
LIMS Version: 1.956

Date Printed: Tuesday, October 23, 2001

5B

Semi-Volatile Organic GC/MS Tuning And Mass Calibration--Decafluorotriphenylphosphine (DFTPP)

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: 825635PLUMBROOK ORDINACE WORKS

DFTPP Injection Date: 10/16/2001
DFTPP Injection Time: 16:50
QCBatchID: SV011016-2
Reported on: Tuesday, October 23, 2001

Level: Low **Column:** Cap

m/e	Ion Abundance Criteria	% Relative Abundance
51	30.0 - 60.0 percent of mass 198	36.9
68	Less than 2.0 percent of mass 69	0
69	Mass 69 relative abundance of mass 198	44.3
70	Less than 2.0 percent of mass 69	0
127	40.0 - 60.0 percent of mass 198	51.2
197	Less than 1.0 percent of mass 198	0
198	Base peak, 100 percent of relative abundance	100
199	5.0 - 9.0 percent of mass 198	7.1
275	10.0 - 30.0 percent of mass 198	22.3
365	Greater than 1.00 percent of mass 198	3.1
441	Present, but less than mass 443 (percent of 443)	85.2
442	Greater than 40.0 percent of mass 198	82.5
443	17.0 - 23.0 percent of mass 442	19.1

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
XXXXXXX	ICALSV060CSTD	P5688	10/16/01	17:10
XXXXXXX	ICALSV010CSTD	P5689	10/16/01	17:42
XXXXXXX	ICALSV020CSTD	P5690	10/16/01	18:14
XXXXXXX	ICALSV050CSTD	P5691	10/16/01	18:47
XXXXXXX	ICALSV080CSTD	P5692	10/16/01	19:16
XXXXXXX	ICALSV100CSTD	P5693	10/16/01	19:44
XXXXXXX	ICALSV120CSTD	P5694	10/16/01	20:13

5B

Semi-Volatile Organic GC/MS Tuning And Mass Calibration--Decafluorotriphenylphosphine (DFTPP)

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: 825635PLUMBROOK ORDINACE WORKS

DFTPP Injection Date: 10/16/2001
DFTPP Injection Time: 16:50
QCBatchID: EX011008-1-1
Reported on: Tuesday, October 23, 2001

Level: Low **Column:** Cap

m/e	Ion Abundance Criteria	% Relative Abundance
51	30.0 - 60.0 percent of mass 198	36.9
68	Less than 2.0 percent of mass 69	0
69	Mass 69 relative abundance of mass 198	44.3
70	Less than 2.0 percent of mass 69	0
127	40.0 - 60.0 percent of mass 198	51.2
197	Less than 1.0 percent of mass 198	0
198	Base peak, 100 percent of relative abundance	100
199	5.0 - 9.0 percent of mass 198	7.1
275	10.0 - 30.0 percent of mass 198	22.3
365	Greater than 1.00 percent of mass 198	3.1
441	Present, but less than mass 443 (percent of 443)	85.2
442	Greater than 40.0 percent of mass 198	82.5
443	17.0 - 23.0 percent of mass 442	19.1

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
XXXXXXX	EX011008-1MB	P5696	10/16/01	21:09
XXXXXXX	EX011008-1LCS	P5697	10/16/01	21:38
BD3045	0110024-1	P5698	10/16/01	22:08
BD3047	0110024-2	P5699	10/16/01	22:36
BD3049	0110024-3	P5700	10/16/01	23:04

5B

Semi-Volatile Organic GC/MS Tuning And Mass Calibration--Decafluorotriphenylphosphine (DFTPP)

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: 825635PLUMBROOK ORDINACE WORKS

DFTPP Injection Date: 10/16/2001
DFTPP Injection Time: 16:50
QCBatchID: EX011011-3-1
Reported on: Tuesday, October 23, 2001

Level: Low **Column:** Cap

m/e	Ion Abundance Criteria	% Relative Abundance
51	30.0 - 60.0 percent of mass 198	36.9
68	Less than 2.0 percent of mass 69	0
69	Mass 69 relative abundance of mass 198	44.3
70	Less than 2.0 percent of mass 69	0
127	40.0 - 60.0 percent of mass 198	51.2
197	Less than 1.0 percent of mass 198	0
198	Base peak, 100 percent of relative abundance	100
199	5.0 - 9.0 percent of mass 198	7.1
275	10.0 - 30.0 percent of mass 198	22.3
365	Greater than 1.00 percent of mass 198	3.1
441	Present, but less than mass 443 (percent of 443)	85.2
442	Greater than 40.0 percent of mass 198	82.5
443	17.0 - 23.0 percent of mass 442	19.1

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS/MSD, BLANKS, AND STANDARDS:

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
XXXXXXX	EX011011-3MB	P5701	10/16/01	23:33
XXXXXXX	EX011011-3LCS	P5702	10/17/01	0:02
XXXXXXX	EX011011-3LCSD	P5703	10/17/01	0:32
BD3051	0110024-4	P5704	10/17/01	1:00

HPSV-2
101601S2

FORM 6

	P5694.D 120	P5693.D 100	P5692.D 80	P5688.D 60	P5691.D 50	P5690.D 20	P5689.D 10	Average	%RSD	
1,4-Dichlorobenzene-d4										
Pyridine	1.149	1.161	1.154	1.204	1.208	1.131	1.114	1.160	3.033	
n-Nitrosodimethylamine	0.632	0.635	0.628	0.647	0.652	0.605	0.592	0.627	3.469	
2-Fluorophenol	1.177	1.181	1.162	1.182	1.186	1.085	1.037	1.144	5.157	
2-Chlorophenol-d4	1.333	1.316	1.313	1.319	1.338	1.248	1.234	1.300	3.213	
Aniline	1.858	1.857	1.881	1.878	1.889	1.776	1.740	1.840	3.148	
Phenol-d5	1.389	1.394	1.395	1.399	1.424	1.341	1.301	1.378	3.037	
Phenol	1.447	1.454	1.440	1.448	1.467	1.374	1.353	1.426	3.093	CCC
Bis(2-chloroethyl)ether	1.088	1.093	1.095	1.099	1.131	1.087	1.073	1.095	1.645	
2-Chlorophenol	1.264	1.266	1.259	1.260	1.267	1.192	1.159	1.236	3.569	
1,3-Dichlorobenzene	1.508	1.509	1.511	1.516	1.551	1.459	1.450	1.500	2.323	
1,4-Dichlorobenzene	1.526	1.527	1.538	1.540	1.586	1.479	1.504	1.529	2.174	CCC
1,2-Dichlorobenzene-d4	0.876	0.886	0.916	0.919	0.943	0.887	0.885	0.902	2.723	
1,2-Dichlorobenzene	1.432	1.431	1.466	1.448	1.505	1.413	1.407	1.443	2.339	
Benzyl Alcohol	0.833	0.817	0.839	0.831	0.856	0.764	0.718	0.808	6.078	
Bis(2-chloroisopropyl)ether	1.174	1.198	1.203	1.203	1.261	1.227	1.230	1.214	2.300	
2-Methylphenol	0.986	0.981	0.993	0.989	1.025	0.941	0.923	0.977	3.501	
n-Nitroso-di-n-propylamine	0.901	0.874	0.894	0.882	0.930	0.870	0.846	0.885	3.030	SPCC
4-Methylphenol	1.443	1.429	1.466	1.440	1.506	1.384	1.333	1.429	3.934	
Hexachloroethane	0.547	0.549	0.553	0.558	0.560	0.520	0.511	0.542	3.534	
Naphthalene-d8										
Nitrobenzene-d5	0.345	0.345	0.349	0.352	0.358	0.339	0.328	0.345	2.788	
Nitrobenzene	0.348	0.348	0.348	0.354	0.362	0.343	0.335	0.348	2.409	
Isophorone	0.645	0.633	0.637	0.643	0.663	0.623	0.593	0.634	3.464	
2-Nitrophenol	0.201	0.200	0.198	0.196	0.195	0.175	0.170	0.191	6.589	CCC
2,4-Dimethylphenol	0.279	0.281	0.279	0.280	0.282	0.264	0.257	0.274	3.636	
Bis(2-chloroethoxy)methane	0.368	0.367	0.372	0.369	0.382	0.360	0.345	0.366	3.133	
2,4-Dichlorophenol	0.306	0.307	0.310	0.305	0.314	0.285	0.269	0.299	5.436	CCC
Benzoic acid	0.175	0.182	0.169	0.152	0.154	0.135		0.161	10.808	
1,2,4-Trichlorobenzene	0.327	0.331	0.333	0.334	0.346	0.322	0.317	0.330	2.870	
Naphthalene	0.933	0.938	0.970	0.985	1.042	0.995	0.971	0.976	3.760	
4-Chloroaniline	0.426	0.427	0.428	0.422	0.425	0.392	0.369	0.413	5.591	
Hexachlorobutadiene	0.198	0.201	0.208	0.214	0.220	0.214	0.208	0.209	3.799	CCC
4-Chloro-3-methylphenol	0.296	0.291	0.290	0.281	0.294	0.273	0.255	0.283	5.234	CCC
2-Methylnaphthalene	0.646	0.646	0.671	0.674	0.723	0.688	0.670	0.674	3.935	
Acenaphthene-d10										
Hexachlorocyclopentadiene	0.276	0.299	0.305	0.287	0.266	0.253	0.237	0.275	8.878	SPCC
2,4,6-Trichlorophenol	0.371	0.376	0.388	0.373	0.374	0.337	0.315	0.362	7.195	CCC
2,4,5-Trichlorophenol	0.392	0.394	0.415	0.403	0.397	0.371	0.346	0.388	5.902	
2-Fluorobiphenyl	1.173	1.225	1.329	1.361	1.410	1.330	1.326	1.308	6.201	
2-Chloronaphthalene	1.035	1.068	1.141	1.145	1.172	1.103	1.086	1.107	4.378	
2-Nitroaniline	0.308	0.305	0.307	0.304	0.304	0.292	0.267	0.298	4.875	
Dimethylphthalate	1.265	1.245	1.269	1.284	1.339	1.239	1.247	1.270	2.697	
2,6-Dinitrotoluene	0.300	0.293	0.292	0.284	0.299	0.269	0.258	0.285	5.568	
Acenaphthylene	1.560	1.571	1.683	1.733	1.790	1.734	1.701	1.682	5.110	
3-Nitroaniline	0.306	0.303	0.307	0.278	0.301	0.272	0.275	0.292	5.320	
Acenaphthene	1.017	1.021	1.092	1.110	1.163	1.126	1.090	1.089	4.897	CCC
2,4-Dinitrophenol	0.171	0.169	0.171	0.129	0.153	0.129		0.154	13.061	SPCC
4-Nitrophenol	0.150	0.153	0.160	0.132	0.160	0.150	0.137	0.149	7.222	SPCC
Dibenzofuran	1.459	1.456	1.555	1.570	1.634	1.541	1.559	1.539	4.113	
2,4-Dinitrotoluene	0.359	0.352	0.372	0.327	0.371	0.353	0.360	0.355	4.270	
2,3,4,6-Tetrachlorophenol	0.294	0.292	0.303	0.288	0.305	0.276	0.263	0.289	5.161	
Diethylphthalate	1.145	1.135	1.192	1.172	1.268	1.178	1.201	1.185	3.678	
Fluorene	1.102	1.113	1.202	1.221	1.328	1.306	1.288	1.223	7.399	
4-Chlorophenyl phenyl ether	0.545	0.557	0.604	0.618	0.658	0.619	0.605	0.601	6.454	
4-Nitroaniline	0.253	0.256	0.287	0.231	0.288	0.273	0.277	0.266	7.776	
Azobenzene	1.204	1.196	1.252	1.238	1.303	1.268	1.244	1.244	2.950	
2,4,6-Tribromophenol	0.148	0.150	0.159	0.144	0.162	0.151	0.146	0.151	4.552	
Phenanthrene-d10										
4,6-Dinitro-2-methylphenol	0.157	0.155	0.159	0.140	0.147	0.131	0.116	0.143	10.965	
n-Nitrosodiphenylamine	0.622	0.611	0.586	0.661	0.621	0.574	0.566	0.606	5.478	CCC
4-Bromophenyl phenyl ether	0.214	0.211	0.204	0.227	0.215	0.194	0.180	0.206	7.573	
Hexachlorobenzene	0.221	0.219	0.221	0.241	0.237	0.226	0.217	0.226	4.130	
Pentachlorophenol	0.150	0.150	0.154	0.141	0.149	0.128	0.107	0.140	12.157	CCC
Phenanthrene	1.042	1.063	1.095	1.138	1.191	1.136	1.124	1.113	4.538	
Anthracene	1.051	1.070	1.113	1.135	1.188	1.142	1.098	1.114	4.179	
Carbazole	0.822	0.827	0.910	0.784	0.952	0.995	0.991	0.897	9.648	
Di-n-butylphthalate	1.082	1.092	1.225	1.163	1.327	1.246	1.269	1.201	7.637	
Fluoranthene	0.873	0.865	0.994	0.907	1.099	0.986	1.005	0.961	8.763	CCC
Chrysene-d12										
Benzidine	0.469	0.471	0.435	0.347	0.402	0.319	0.573	0.431	19.846	
Pyrene	1.791	1.886	1.876	1.739	1.856	1.904	1.940	1.856	3.712	
p-Terphenyl-d14	1.108	1.158	1.161	1.084	1.153	1.145	1.201	1.144	3.324	
Butylbenzylphthalate	0.769	0.768	0.759	0.724	0.737	0.648	0.613	0.717	8.649	
Benzo[a]anthracene	1.281	1.307	1.302	1.307	1.368	1.311	1.341	1.317	2.187	
3,3'-Dichlorobenzidine	0.347	0.310	0.309	0.226	0.287			0.296	14.987	
Chrysene	1.208	1.217	1.227	1.249	1.255	1.224	1.240	1.231	1.402	
Bis(2-ethylhexyl)phthalate	1.004	1.018	1.004	0.987	0.987	0.858	0.789	0.950	9.375	
Perylene-d12										
Di-n-octylphthalate	3.034	2.965	2.569	2.686	2.543	1.937	1.520	2.465	22.294	CCC
Benzo[b]fluoranthene	1.798	1.754	1.635	1.669	1.758	1.519	1.457	1.656	7.777	
Benzo[k]fluoranthene	1.597	1.645	1.642	1.643	1.568	1.528	1.381	1.572	6.054	
Benzo[a]pyrene	1.437	1.413	1.396	1.373	1.391	1.288	1.235	1.362	5.367	CCC
Indeno(1,2,3-c,d)pyrene	1.093	1.020	1.169	0.955	1.060	0.943	1.111	1.050	7.894	
Dibenzo[a,h]anthracene	0.930	0.864	0.984	0.798	0.890	0.781	0.911	0.880	8.197	
Benzo[g,h,i]perylene	0.824	0.763	0.892	0.709	0.812	0.717	0.879	0.799	9.114	
								AVG=	5.721	

10-18-01

8B

Semi-Volatile Internal Standard Area Summary

Lab Name: Paragon Analytics, Inc.
Date Analyzed: 10/16/2001
Work Order Number: 0110024
Time Analyzed: 17:10
Client Name: IT Corporation
ClientProject ID: 825635 PLUMBROOK ORDINACE WORKS
Reported on: Tuesday, October 23, 2001

Instrument ID: HPSV2
Lab File ID: P5688

	IS1(DCB)		IS2(NPT)		IS3(ANT)		IS4(PHN)		IS5(CRY)		IS6(PRY)	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
12 Hour STD	296614	7.77	1097294	9.82	626409	11.90	765480	13.46	398266	16.14	202259	17.79
Upper Limit	593228	8.27	2194588	10.3	1252818	12.4	1530960	14	796532	16.6	404518	18.3
Lower Limit	148307	7.27	548647	9.32	313205	11.4	382740	13	199133	15.6	101130	17.3
Lab Sample ID												
EX011008-1MB	224720	7.76	809401	9.82	458416	11.90	680759	13.46	374001	16.14	209522	17.79
EX011008-1LCS	215596	7.76	816341	9.82	480688	11.91	694600	13.46	307398	16.14	149779	17.80
0110024-3	189265	7.76	708016	9.82	413590	11.90	627258	13.46	351395	16.14	209393	17.79
0110024-2	236690	7.76	899372	9.82	546795	11.90	825873	13.46	382860	16.14	195638	17.79
0110024-1	242982	7.76	904415	9.82	475820	11.90	601170	13.46	305416	16.14	152156	17.79

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

Shaded values exceed established area count limits.

LIMS Version: 1.956

Upper Limit = + 100 percent of internal standard area.
Lower Limit = - 50 percent of internal standard area.

8B

Semi-Volatile Internal Standard Area Summary

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: 825635 PLUMBROOK ORDINACE WORKS

Date Analyzed: 10/16/2001
Time Analyzed: 17:10
Reported on: Tuesday, October 23, 2001

Instrument ID: HPSV2
Lab File ID: P5688

	IS1(DCB)		IS2(NPT)		IS3(ANT)		IS4(PHN)		IS5(CRY)		IS6(PRY)	
	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT	Area	RT
12 Hour STD	296614	7.77	1097294	9.82	626409	11.90	765480	13.46	398266	16.14	202259	17.79
Upper Limit	593228	8.27	2194588	10.3	1252818	12.4	1530960	14	796532	16.6	404518	18.3
Lower Limit	148307	7.27	548647	9.32	313205	11.4	382740	13	199133	15.6	101130	17.3
Lab Sample ID												
EX011011-3MB	230057	7.76	862952	9.81	497329	11.90	712797	13.46	509015	16.14	291645	17.80
EX011011-3LCSD	283815	7.77	1003458	9.82	527086	11.91	671085	13.47	425832	16.15	222085	17.80
EX011011-3LCS	194428	7.76	729477	9.82	439652	11.91	683988	13.47	411481	16.15	226103	17.80
0110024-4	159532	7.76	601057	9.82	361229	11.90	566167	13.46	431886	16.14	220656	17.79

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10
IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

Shaded values exceed established area count limits.

LIMS Version: 1.956

Upper Limit = + 100 percent of internal standard area.
Lower Limit = - 50 percent of internal standard area.

Supporting Raw Data

GCMS Semivolatile Instrument Run Log
Paragon Analytics, Inc.

Sequence Name: C:\HPCHEM\1\SEQUENCE\101601.S
Comment: HPSV-2 5973 MSD Serial #: US93112105 Serial Number 3114A02142
Data Path: C:\HPCHEM\1\DATA\101601\
Operator:cjones SOP506 Rev.9 Analysis Date: 10·16·2001
IS Amount and ID 2078·96·3 40µg/mL-extract
Logbook Number: 1922

Line	Type	Vial	DataFile	Method	Sample Name	Dil.	RA?		Comment
1	DFTPP	1	P5685	DFTPP10	50ppm dftpp + p	2078·85·3			NOT USED
2	Sample	2	P5686	101201S2	CCAL SVSTD060	2078·95·1			
3	DFTPP	1	P5687	DFTPP10	50ppm dftpp + p	2078·85·3		1650	
4	Sample	2	P5688	101601S2	ICAL SVSTD060	2078·97·4			
5	Sample	3	P5689	101601S2	ICAL SVSTD010	2078·97·7			8270C Compliant ICAL
6	Sample	4	P5690	101601S2	ICAL SVSTD020	2078·97·6			
7	Sample	5	P5691	101601S2	ICAL SVSTD050	2078·97·5			
8	Sample	6	P5692	101601S2	ICAL SVSTD080	2078·97·3			
9	Sample	7	P5693	101601S2	ICAL SVSTD100	2078·97·2			
10	Sample	8	P5694	101601S2	ICAL SVSTD120	2078·97·1			
11	Sample	9	P5695	101601S2	ICV SVSTD060	2078·97·8			
12	Sample	10	P5696	101601S2	EX011008-1MB	1x	NO		Clean (Full-List H2O 10-024)
13	Sample	11	P5697	101601S2	EX011008-1LCS				(See NCR #3627)
14	Sample	12	P5698	101601S2	0110024-1				
15	Sample	13	P5699	101601S2	0110024-2				
16	Sample	14	P5700	101601S2	0110024-3				
17	Sample	15	P5701	101601S2	EX011011-3MB				Clean (Full-List H2O 10-024)
18	Sample	16	P5702	101601S2	EX011011-3LCS				
19	Sample	17	P5703	101601S2	EX011011-3LCSD				
20	Sample	18	P5704	101601S2	0110024-4				
21	Sample	19	P5705	101601S2	EX011010-2MB				Clean (Leachate 10-028)
22	Sample	20	P5706	101601S2	EX011010-2LCS				
23	Sample	21	P5707	101601S2	EX011010-2LCSD				
24	Sample	22	P5708	101601S2	0110028-5				
25	Sample	23	P5709	101601S2	0110028-6		Yes		246TBP 4 Conf by P5718
26	Sample	24	P5710	101601S2	0110028-7		NO		(Also, See P5737 @ 10x for NTCs)
27	Sample	25	P5711	101601S2	0110028-8		Yes	0422	(Rerun due to 028-8MS)

→ 12 hr OK

00032

GCMS Semivolatile Instrument Run Log
Paragon Analytics, Inc.

Sequence Name: C:\HPCHEM\1\SEQUENCE\101601.S
Comment: HPSV-2 5973 MSD Serial #: US93112105 Serial Number 3114A02142
Data Path: C:\HPCHEM\1\DATA\101601\
Operator:cjones SOP506 Rev.9 Analysis Date: 10-16-2001
IS Amount and ID 2078-96-3 40µg/mL-extract
Logbook Number: 1922

Line	Type	Vial	DataFile	Method	Sample Name	Dil.	RA?	Comment
28	Sample	26	P5712	101601S2	0110028-8MS	1X	yes	2,4,6-TBP+ Outside 12 hrs.

Last Modified: Tue Oct 16 18:34:16 2001 Page:527

000033

Miscellaneous

Paragon Analytics, Inc

SEMIVOLATILES EXTRACTION / CLEANUP WORKSHEET

Reviewed by / date 10/11/01

WO #s 0110024 Initials CB Matrix: (AQ) Solid Other ___ Batch ID E/D110081 Sur Code 2078.90.1 M Spike Code 2078.56.1 Balance ID NA

Extraction Code: (8270C) CLP SOW E625 Extr Method: (3520C)CLE (3550B)SONC (3540C)SOX* (3510C)SEP (3580A)Waste Dilution Extr SOP/Rev 617/6

Extr Date/Time 10/8/01 1400 10/11/01 Cleanup Code: (3620B) Florisil (3640A) GPC (See other forms) Cleanup SOP/Rev NA Date/Time NA Initials NA

SAMPLE								EXTRACT / CLEANUP						
Sample No.	Amount (g/mL)	Initial pH	pH (≤2)	pH (11-13)	Surrogate (mL)	Matrix Spike (mL)	Sur / Matrix Spike Witnessed	Date KD (Initial)	GPC Date	Florisil Date	Date KD (Final)	Final Volume (mL)	Date Vialed	Comments
WMB	1000	5	1.6	12.8	1.0	NA	EB / BH	10/11/01	NA			1.0	10/11/01	
0110024-1	920	9	1.6	12.8	1.0							1.0		
-2	1020	9	1.6	12.8	1.0							1.0		
-3	1000	7	1.6	12.8	1.0							1.0		
~~-4~~	~~990~~	~~7~~	~~1.6~~	~~12.8~~	~~1.0~~									Sample was accidentally Dumped into WLCSD
WLCS	1000	5	1.6	12.8	1.0	1.0		10/11/01				1.0	10/11/01	
~~WLCSD~~	~~1000~~	~~5~~	~~1.6~~	~~12.8~~	~~1.0~~	~~1.0~~								~~Sample accidentally mixed with 024-4~~
														Sample 024-4 Rexamined on 10/11/01
								10/11/01						

* Soxhlet Date/Time Start NA Soxhlet Date/Time End NA

Form 609r5.frm (6/15/2001)

Solvent Lots: MeCl$_2$ CL080 Hexane NA Acetone NA Florisil NA (See other forms for GPC Information) H_2SO_4 40319 NaOH 129005 Na_2SO_4 41144120

00140

223589

Paragon Analytics, Inc.

SEMIVOLATILES EXTRACTION / CLEANUP WORKSHEET

Reviewed by / date 10/15/01

WO #s 0110024 Initials TCB Matrix: (AQ) Solid Other ___ Batch ID EX011011-3 Sur Code 2078-90-1J M Spike Code 2078-56-1 Balance ID NA

Extraction Code: (8270C) CLP SOW E625 Extr Method: (3520C)CLE (3550B)SONC (3540C)SOX* (3510C)SEP (3580A)Waste Dilution Extr SOP/Rev 617/6

Extr Date/Time 10/11/01 1400 Cleanup Code: (3620B) Florisil (3640A) GPC (See other forms) Cleanup SOP/Rev NA Date/Time NA Initials NA

SAMPLE								EXTRACT / CLEANUP						
Sample No.	Amount (g/mL)	Initial pH	pH (≤2)	pH (11-13)	Surrogate (mL)	Matrix Spike (mL)	Sur / Matrix Spike Witnessed	Date KD (Initial)	GPC Date	Florisil Date	Date KD (Final)	Final Volume (mL)	Date Vialed	Comments
WMB	1000	5	1.3		1.0	NA	TCB / MJB	10/15/01	NA	NA	NA	1.0	10/15/01	
01100244	640	7	1.3		1.0	↓	↓	↓	↓	↓	↓	1.0	↓	(6) re-extract
WLCS	1000	5	1.3		1.0	1.0	↓	↓	↓	↓	↓	1.0	↓	
WLCSD	1000	5	1.3		1.0	1.0	↓	↓	↓	↓	↓	1.0	↓	

10/15/01

* Soxhlet Date/Time Start NA Soxhlet Date/Time End NA

Form 609r5.frm (6/15/2001)

Solvent Lots: MeCl$_2$ CC080 Hexane NA Acetone NA Florisil NA (See other forms for GPC Information) H_2SO_4 40319 NaOH 129005 Na_2SO_4 411144126

00141

223588

"CONTROLLED"

NCR # 03627

Paragon Analytics, Inc.

NON-CONFORMANCE REPORT

Initiated by C. Jones

Date Initiated 10·19·2001

Method/QA Procedure 8270C

Workorders Affected 0110024 - 1,2,3

Clients IT Corp - Knox

SECTION I

TYPE OF EVENT:

- ____ 1. Spike/Surrogate Criteria Not Met
- ____ 2. Calibration Criteria Not Met (Equip. Type)
- ____ 3. Lab Contamination
- ✓ 4. Method Requirements Not Met
- ____ 5. Purchased Materials Don't Meet Quality Specs.
- ____ 6. Equipment Failure
- ✓ 7. Deviation from QAP, SOP, Method
- ✓ 8. Other: Lab Incident

SPECIFY: Sample #4 was accidentaly poured into the WLCSD. Subsequently, only LCS available to be reported for QC Batch # EX011008-1. Method Blank clean. All recoveries for LCS within control limits except: Hexachlorocyclopentadiene @ 30% (limits 41-125%) and Benzidine @ 12% (limits 25-125%). No matrix spike samples available due to insufficient sample. -Full list SP

Client Contacted? (Y) N): Name Maureen McNaylor (Sample #4 was re-ext. within hold) Date: 10/22/01 ~~Time:~~ Email

SECTION II

CORRECTIVE ACTION TAKEN:

- ____ 1. Submit for Re-Extraction (Re-work)
- ____ 2. Recalibrate (Re-work)
- ____ 3. Re-analyze (Re-work)
- ____ 4. Return to Vendor/Reject
- ____ 5. Service call/return for repair
- ____ 6. Retrain
- ✓ 7. Document in Narrative
- ____ 8. Other:

Approved by Debbie Fazio 10/22/01

SECTION III

REQUEST FOR REWORK IN SAMPLE PREP OR DIGESTION:

Initial date prepared, Page # ____

Date for Rework, Page # ____

Submitted by ____

Received by ____

Outcome of Re-analysis Re-extract results will be reported for sample #4 (also 0110024) 10/22/01

Approved by MB 10/22/01

SECTION IV

DISPOSITION: **Use as is** ✓ **Reject** (-04) ☒ **Repair** (-04) ☒

REPORT 2d PREP OF SAMPLE -04. (NO HTV)

FOR BATCH EX011008; REPORT ALL SAMPLES + QC EXCEPT -04; DO NOT REPORT LCSD.

SIGNATURES:

Approved by Debbie Fazio 10/22 Date 10/22/01 (Project Manager)

Verification of Disposition [illegible] Date 10/22/01 (Dept. Supervisor)

QA Department Approval [illegible] for DBH Date 10/22/01 (QA Manager)

COPIES: ✓ Project Manager {DJF} ✓ Operations Manager {CMP} ✓ Dept. Supervisor {MB} ✓ Reporting Group (as applicabl

FORM 313r6.frm (7/21/2001)

00142

Paragon Analytics, Inc.

Explosives by HPLC Case Narrative

IT Corporation

PLUMBROOK ORDINACE WORKS -- 825635

Order Number - 0110024

1. This report consists of 4 water samples. These samples were received cool and intact on 10/06/2001.

2. These samples were extracted and analyzed according to SW-846, 3rd Edition procedures. Specifically, the samples were extracted using Paragon Analytics, Inc. Standard Operating Procedure 665 Revision 2 based on Method 8330.

3. Extracts from aqueous samples are prepared for analysis by mixing with reagent grade water (1 part water to 1 part extract). Our reporting limits for water samples, as well as all results for water samples are based on the final volume of the extract/reagent water mixture (typically 3mL) and not on the original volume of extract (typically 1.5mL).

   The water extracts were then analyzed using HPLC with a UV detector (254nm) and a C_{18} column according to Paragon Analytics, Inc. Standard Operating Procedure 404 Revision 8 based on SW-846 Method 8330. All positive results were then confirmed on a cyano column. Quantitations were taken from the primary column. The results reported are based upon regression equations calculated from a six point initial calibration.

4. All continuing calibration criteria were met with the following exceptions:

   Continuing calibration 10/18/01 1CCV - 2,6-dinitrotoluene was out high on the cyano column.
   Continuing calibration 10/18/01 2CCV - 2,6-dinitrotoluene was out high on the cyano column.
   2,6-dinitrotoluene was not detected on the primary column, so confirmation was not necessary on the cyano column for this analyte. The quantitation of each analyte was

taken from the primary column, which met initial and continuing calibration criteria for all compounds.

5. The method blank associated with this project was below the reporting limits for all analytes.

6. All laboratory control spike and laboratory control spike duplicate criteria were met with the following exception:

Spiked Compound	QC Sample	Direction
tetryl	LCS & LCSD	RPD

Since the recoveries for tetryl in the laboratory control spike and laboratory control spike duplicate were within control limits, with only the RPD exceeding acceptance criteria, quantitations of target compounds were not compromised. No further action was taken.

7. All matrix spike and matrix spike duplicate recoveries and RPDs were within acceptance criteria with the following exceptions:

Spiked Compound	QC Sample	Direction
1,3,5-trinitrobenzene	2MS & 2MSD	low
1,3-dinitrobenzene	2MS & 2MSD	high
tetryl	2MS & 2MSD	low
nitrobenzene	2MSD	high
2,4,6-trinitrotoluene	2MS	low
nitrobenzene	2MS & 2MSD	RPD

The recoveries of these compounds in the laboratory control spike and laboratory control spike duplicate were within control limits, which suggest the outliers in the matrix spikes may have been due to matrix effects. No further action was warranted. Blank spike and blank spike duplicate results have been included.

8. All samples were extracted and analyzed within the established holding times.

9. All surrogate recoveries were within acceptable limits with the following exceptions:

Surrogate	Sample	Direction
1,4-dinitrobenzene	1, 2, 2MS, 2MSD	low

Samples 1 and 2 had a similar matrix. Sample 2 was used for the matrix spike and matrix spike duplicate. The surrogate in the spikes was also outside the acceptance criteria, which suggests the outliers may have been due to matrix effects. Further re-analyses were not warranted. NCR #03621 has been included.

10. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in Paragon Analytics, Inc. Standard Operating Procedure 939 Revision 0. The chromatographic data system marks the manual integrations in the peak type field on the quantitation report with an M. Whenever manual integrations are performed before and after quantitation reports and chromatograms are included in the report.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics, Inc. certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Peter Gintautas
Organics Technical Manager

26 Oct 01
Date

CX
Reviewer's Initials

10-26-01
Date

Paragon Analytics, Inc.
Data Qualifier Flags
Chromatography and Mass Spectrometry

U or ND:	**This flag indicates that the compound was analyzed for but not detected.**
J:	**This flag indicates an estimated value. This flag is used as follows : (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); and (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL.**
B:	**This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.**
E:	**This flag identifies compounds whose concentration exceeds the upper level of the calibration range.**
X:	**This flag indicates that the analyte was diluted below an accurate quantitation level.**
***:**	**This flag indicates that a spike recovery is equal to or outside the control criteria used.**
+:	**This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria.**

Paragon Analytics, Incorporated

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0110024
Client Name: IT Corporation
Client Project Name: PLUMBROOK ORDINACE WORKS
Client Project Number: 825635
Client PO Number: 173457

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
BD3045	0110024-1		WATER	10/4/01	13:15
BD3047	0110024-2		WATER	10/4/01	13:25
BD3049	0110024-3		WATER	10/4/01	9:00
BD3051	0110024-4		WATER	10/4/01	15:00
TB100501B	0110024-5		WATER	10/5/01	17:30
BD3045	0110024-6		WATER	10/4/01	13:15
BD3047	0110024-7		WATER	10/4/01	13:25
BD3049	0110024-8		WATER	10/4/01	9:00
BD3051	0110024-9		WATER	10/4/01	15:00

0110024

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN-OF-CUSTODY RECORD

REFERENCE DOCUMENT NO.: PBDW100501PARA

Bill To: IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Project Name/No: Plumbrook Ordinace Works / 825635
Sample Team Member: H. Adams / D. Kessler
Profit Center: 3489210
Project Manager: Mikael Spangberg
Purchase Order No.:
Required Report Date:

Sample Shipment Date: 10/5/01
Laboratory Destination: Paragon Analytics
Laboratory Contact:
Project Contact/Phone: Maureen McMyler (423) 690-3211
Carrier Waybill No.: FEDEX: 828403846719

Report To: Maureen McMyler
IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

	Sample Number	Sample Type/ Description	Date/Time Collected	Container Type	Sample Volume	Pre-servative	Requested Testing Program	Condition on Receipt	Disposal Record
1	6 BD3045	Water	10/04/01 13:15	VOA vials 1 L Glass, HDPE	4120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)		
2	7 BD3047	Water	10/04/01 13:25	VOA vials 1 L Glass, HDPE	4120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)		
3	8 BD3049	Water	10/04/01 09:00	VOA vials 1 L Glass, HDPE	4120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)		
4	9 BD3051	Water	09:20 15:00	VOA vials 1 L Glass, HDPE	4120 ml	As Required	Volatiles, Semivolatiles, Explosives, Metals (filtered & unfiltered)		
5	TB100501B	Water	10/05/01 17:30	VOA vials	80 ml	Ice / HCl	Volatiles		

Special Instructions:

Possible Hazard Identification: Use caution when handling.
Non-haz: ____ Flammable: ____ Poison B: ____ Unknown: ____

Sample Disposal:
Return to Client: ____ Disposal by Lab: ____ Archive: ____

Turnaround Time:
Normal: Rush:

Level of QC Required:
I. ____ II. ____ III. ____ Project Specific: ____

1. Relinquished by: [signature]	Date: 10-5-01 Time: 18:00	1. Received by: FEDEX	Date: Time:
2. Relinquished by: FEDEX	Date: Time:	2. Received by: [signature]	Date: 10-6-01 Time: 0950
3. Relinquished by:	Date: Time:	2. Received by:	Date: Time:

Comments: Please disregard laboratory reference on bottle labels.

DISSOLVED METALS: 6, 7, 8, 9,
[illegible]: 1 2 3 4 5

00000

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: IT-Knox PROJECT MANAGER: DF

WORKORDER NO: 011024 INITIALS: [illegible] DATE: 10-~~12~~ 9-01

1. Does this project require any special handling in addition to standard Paragon procedures?		Yes	No
IS PRE-SCREENING REQUIRED? (radiochemistry, DOE, etc.)		Yes	No
2. Are custody seals on shipping containers intact? How many custody seals are provided? 2/cooler	N/A	Yes	No
3. Are the custody seals on sample containers intact?	N/A	Yes	No
4. Is there a Chain-of-Custody (COC) or other representative documents, letters, or shipping memos?		Yes	No
5. Is the COC complete? Relinquished: Yes ✓ No___ Analyses Requested: Yes ✓ No___	N/A	Yes	No
6. Is the COC in agreement with the samples received? No. of Samples: Yes ✓ No___ Sample ID's: Yes ✓ No___ Matrix: Yes ✓ No___ No. of Containers: Yes___ No X	N/A	Yes	No
7. Were COC (if applicable) and sample labels legible?		Yes	No
8. Were airbills present and/or removable?		Yes	No
9. Are all aqueous samples requiring chemical preservation preserved correctly (excluding volatile organics)?	N/A	Yes	No
Are all aqueous **non-preserved** samples at the correct pH?		Yes	No
10. Is there enough sample for requested analyses? If so, were samples placed in the proper containers?		Yes	No
11. Are all samples within holding times for the requested analyses?		Yes	No
12. Were all sample containers received intact? (not broken or leaking, etc.)		Yes	No
13. Are samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? **Size of bubble:** X **< green pea;** X **> green pea** (List sample IDs and affected containers on Page 2)	N/A	Yes	No
14. Is Paragon to dispose of samples?		Yes	No
15. Were the sample(s) shipped on ice?	N/A	Yes	No
16. Were cooler temperatures measured at 2 - 6 °C ?	N/A	Yes	No
17. Were all samples cooled that should have been cooled?		Yes	No

Cooler #'s	1	2					
Temperature	3°C	5°C					°C

Project Manager Signature / Date: Debbie Fazio 10/9/01

A NO RESPONSE TO ANY QUESTION (EXCEPT # 1 and #14 REQUIRES THE COMPLETION OF PAGE 2 OF THIS FORM

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: IT KNOX PROJECT MANAGER: DF

WORKORDER NO: 0110024 INITIALS: [illegible] DATE: 10-6-01

- ☐ Custody seals on outside of shipping container broken.
- ☐ Custody seals on sample containers were broken.
- ☐ No Chain-of-Custody (COC) present.
- ☐ Number of samples on the COC do not match the number of samples received.
- ☐ Aqueous samples not preserved correctly (see pH discussion below).
- ☐ Samples received at inappropriate temperature.
- ☐ Insufficient sample to perform requested analyses.
- ☐ Extraction or analytical holding times expired in transit.
- ☒ Broken/leaking bottles and intact bottles received in same cooler (list affected sample IDs below)
- ☐ No analyses requested.
- ☐ Incorrect sample type received.
- ☒ VOAs, reactive CN/S, radon not headspace free (list sample IDs and affected vials below)
- ☐ Airbills not present and/or removable (record applicable shipper's tracking number below)
- ☒ Other

Describe discrepancy:

1 of 3 1.0L AMBERS BROKEN AFTER RECEIPT FOR BD3045 and BD3051 MY HUMBLE APOLOGIES

BD 3045 2 of 3 <pea 1 of 3 >pea
BD 3047 1 of 3 <pea 2 of 3 >pea
BD 3049 1 of 3 <pea 1 of 3 >pea
BD 3051 1 of 3 <pea

# of containers NOT Listed Correctly on COC
BD 3051 + BD 3045 - 3 40ml vials 2. 1.0L AMBERS (Excludes Broken Bottle) and 2 500 ml poly
BD 3047 + BD 3049 - Same plus 1 more 1.0L AMBER

Was the client contacted? ___ No; ✓ Yes: Name Maureen McNylar Date/Time 10/9/01 1130

Was the pH of any sample adjusted by the laboratory? ___ No; ___ Yes (see Table below):

NOTE: No pH adjustments shall be made without prior consent of Project Manager. After pH adjustment, hold metals samples ≥ 16 hr before analysis and radchem samples ≥ 24 hr before analysis.

Sample ID	*Initial pH*	*Final pH (wait 30 min)*	*Type of Reagent Used*	*Lot No. of Reagent Used*	*Initials / Date / Time*

Project Manager Signature / Date: Debbie Fizzo 10/9/01

FORM 201r13.frm (08/01/2001)

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: IT KNOF **PROJECT MANAGER:** DF

WORKORDER NO: 0110024 **INITIALS:** CM **DATE:** 10-6-01

- ☐ Custody seals on outside of shipping container broken.
- ☐ Custody seals on sample containers were broken.
- ☐ No Chain-of-Custody (COC) present.
- ☐ Number of samples on the COC do not match the number of samples received.
- ☒ Aqueous samples not preserved correctly (see pH discussion below).
- ☐ Samples received at inappropriate temperature.
- ☐ Insufficient sample to perform requested analyses.
- ☐ Extraction or analytical holding times expired in transit.
- ☐ Broken/leaking bottles and intact bottles received in same cooler (list affected sample IDs below)
- ☐ No analyses requested.
- ☐ Incorrect sample type received.
- ☐ VOAs, reactive CN/S, radon not headspace free (list sample IDs and affected vials below)
- ☐ Airbills not present and/or removable (record applicable shipper's tracking number below)
- ☒ Other

Describe discrepancy:
DISSOLVED METALS BOTTLE FOR BD3045 pH 8
ALL UNPRESERVED CONTAINERS ≈ pH 8-9

Per Maureen McMyler - preserve above noted sample.

Was the client contacted? ___ No; ✓ Yes: Name Maureen McMyler Date/Time 10/9/01 1120

Was the pH of any sample adjusted by the laboratory? ___ No; ___ Yes (see Table below):

NOTE: No pH adjustments shall be made without prior consent of Project Manager. After pH adjustment, hold metals samples ≥ 16 hr before analysis and radchem samples ≥ 24 hr before analysis.

Sample ID	*Initial pH*	*Final pH (wait 30 min)*	*Type of Reagent Used*	*Lot No. of Reagent Used*	*Initials / Date / Time*

Project Manager Signature / Date: Debbie Fogo 10/9/01

FORM 201r13.frm (08/01/2001)

FedEx Express USA Airbill

FedEx Tracking Number 8284 0384 6719

Form I.D. No. 1 0200

1 From

Date 10/05/01

Sender's Name HUGH R. ADAMS Phone 865 690-3211

Company TV CORPORATION

Address 312 DIRECTORS DRIVE

Dept./Floor/Suite/Room

City KNOXVILLE State TN ZIP 37923

2 Your Internal Billing Reference PBOW 825635.0500000

3 To

Recipient's Name DEBBIE FAZIO Phone 970 490-1511

Company PARAGON ANALYTICS

Address 225 COMMERCE DR

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

City FORT COLLINS State CO ZIP 80524

SAT DEL.

8284 0384 6719

4a Express Package Service *Packages up to 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx Priority Overnight — Next business morning
- [ ] FedEx Standard Overnight — Next business afternoon
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations
- [ ] FedEx 2Day — Second business day
- [ ] FedEx Express Saver — Third business day
- [ ] NEW FedEx Extra Hours — Late drop-off with next business afternoon delivery to select locations

FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

- [ ] FedEx 1Day Freight — Next business day
- [ ] FedEx 2Day Freight — Second business day
- [ ] FedEx 3Day Freight — Third business day

* Call for Confirmation:

Declared value limit $500

5 Packaging

- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak
- [ ] Other Pkg. — Includes FedEx Box, FedEx Tube, and customer pkg.

6 Special Handling Include FedEx address in Section 3.

- [x] SATURDAY Delivery — Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] SUNDAY Delivery — Available only for FedEx Priority Overnight to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available with FedEx First Overnight
- [ ] HOLD Saturday at FedEx Location — Available only for FedEx Priority Overnight and FedEx 2Day to select locations

Does this shipment contain dangerous goods? One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration
- [ ] Dry Ice — Dry Ice, 9, UN 1845 _____ x _____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods (incl. Dry Ice) cannot be shipped in FedEx packaging or with FedEx Extra Hours service.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.

- [ ] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [x] Third Party
- [ ] Credit Card
- [ ] Obtain Recip. Acct. No.
- [ ] Cash/Check

Total Packages	Total Weight	Total Declared Value†	Total Charges
2	80	$ .00	

Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See back for details.

8 Release Signature *Sign to authorize delivery without obtaining signature.*

By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.

Questions? Visit our Web site at fedex.com or call 1-800-Go-FedEx® (800)463-3339.

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Analytical Results

HPLC Explosives

Method SW8330

Method Blank

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011009-3MB

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/09/2001
Date Analyzed: 10/16/2001

Prep Batch: EX011009-3
QCBatchID: EX011009-3-2
Run ID: HP011016-31
Cleanup: NONE
Basis: N/A

Sample Aliquot: 350 ML
Final Volume: 3 ML
Result Units: UG/L
CleanupDF: 1
File Name: 3H000277

CASNO	Target Analyte	DF	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
2691-41-0	HMX	1	1	1	0.023	U	
121-82-4	RDX	1	0.84	0.84	0.03	U	
99-35-4	1,3,5-TRINITROBENZENE	1	0.26	0.26	0.031	U	
99-65-0	1,3-DINITROBENZENE	1	0.25	0.25	0.03	U	
479-45-8	TETRYL	1	1	1	0.03	U	
98-95-3	NITROBENZENE	1	1	1	0.032	U	
118-96-7	2,4,6-TRINITROTOLUENE	1	0.25	0.25	0.018	U	
19406-51-0	4-AMINO-2,6-DNT	1	0.25	0.25	0.03	U	
35572-78-2	2-AMINO-4,6-DNT	1	0.25	0.25	0.03	U	
606-20-2	2,6-DINITROTOLUENE	1	0.25	0.25	0.029	U	
121-14-2	2,4-DINITROTOLUENE	1	0.25	0.25	0.024	U	
88-72-2	2-NITROTOLUENE	1	1	1	0.018	U	
99-99-0	4-NITROTOLUENE	1	1	1	0.029	U	
99-08-1	3-NITROTOLUENE	1	1	1	0.03	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
100-25-4	1,4-DINITROBENZENE	1.51		2.14	70	52 - 123

Data Package ID: *HP0110024-1*

HPLC Explosives

Method SW8330

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3047
Lab ID: 0110024-2

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 09-Oct-01
Date Analyzed: 16-Oct-01

Prep Batch: EX011009-3
QCBatchID: EX011009-3-2
Run ID: HP011016-31
Cleanup: NONE
Basis: As Received

Sample Aliquot: 350 ML
Final Volume: 3 ML
Result Units: UG/L
CleanupDF: 1
File Name: 3H000280

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
2691-41-0	HMX	1	1	1	0.023	U	
121-82-4	RDX	1	0.84	0.84	0.03	U	
99-35-4	1,3,5-TRINITROBENZENE	1	0.26	0.26	0.031	U	
99-65-0	1,3-DINITROBENZENE	1	0.25	0.25	0.03	U	
479-45-8	TETRYL	1	1	1	0.03	U	
98-95-3	NITROBENZENE	1	1	1	0.032	U	
118-96-7	2,4,6-TRINITROTOLUENE	1	0.04	0.25	0.018	J	
19406-51-0	4-AMINO-2,6-DNT	1	0.25	0.25	0.03	U	
35572-78-2	2-AMINO-4,6-DNT	1	0.051	0.25	0.03	J	
606-20-2	2,6-DINITROTOLUENE	1	0.25	0.25	0.029	U	
121-14-2	2,4-DINITROTOLUENE	1	0.25	0.25	0.024	U	
88-72-2	2-NITROTOLUENE	1	1	1	0.018	U	
99-99-0	4-NITROTOLUENE	1	1	1	0.029	U	
99-08-1	3-NITROTOLUENE	1	1	1	0.03	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
100-25-4	1,4-DINITROBENZENE	0.0095	*	2.14	0	52 - 123

Data Package ID: *HP0110024-1*

HPLC Explosives

Method SW8330

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3045
Lab ID: 0110024-1

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 09-Oct-01
Date Analyzed: 16-Oct-01

Prep Batch: EX011009-3
QCBatchID: EX011009-3-2
Run ID: HP011016-31
Cleanup: NONE
Basis: As Received

Sample Aliquot: 350 ML
Final Volume: 3 ML
Result Units: UG/L
CleanupDF: 1
File Name: 3H000281

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
2691-41-0	HMX	1	1	1	0.023	U	
121-82-4	RDX	1	0.84	0.84	0.03	U	
99-35-4	1,3,5-TRINITROBENZENE	1	0.26	0.26	0.031	U	
99-65-0	1,3-DINITROBENZENE	1	0.25	0.25	0.03	U	
479-45-8	TETRYL	1	1	1	0.03	U	
98-95-3	NITROBENZENE	1	1	1	0.032	U	
118-96-7	2,4,6-TRINITROTOLUENE	1	0.25	0.25	0.018	U	
19406-51-0	4-AMINO-2,6-DNT	1	0.25	0.25	0.03	U	
35572-78-2	2-AMINO-4,6-DNT	1	0.14	0.25	0.03	J	
606-20-2	2,6-DINITROTOLUENE	1	0.25	0.25	0.029	U	
121-14-2	2,4-DINITROTOLUENE	1	0.25	0.25	0.024	U	
88-72-2	2-NITROTOLUENE	1	1	1	0.018	U	
99-99-0	4-NITROTOLUENE	1	1	1	0.029	U	
99-08-1	3-NITROTOLUENE	1	1	1	0.03	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
100-25-4	1,4-DINITROBENZENE		*	2.14	0	52 - 123

Data Package ID: *HP0110024-1*

HPLC Explosives

Method SW8330

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3049
Lab ID: 0110024-3

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 09-Oct-01
Date Analyzed: 16-Oct-01

Prep Batch: EX011009-3
QCBatchID: EX011009-3-2
Run ID: HP011016-31
Cleanup: NONE
Basis: As Received

Sample Aliquot: 350 ML
Final Volume: 3 ML
Result Units: UG/L
CleanupDF: 1
File Name: 3H000282

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
2691-41-0	HMX	1	1	1	0.023	U	
121-82-4	RDX	1	0.84	0.84	0.03	U	
99-35-4	1,3,5-TRINITROBENZENE	1	0.26	0.26	0.031	U	
99-65-0	1,3-DINITROBENZENE	1	0.25	0.25	0.03	U	
479-45-8	TETRYL	1	1	1	0.03	U	
98-95-3	NITROBENZENE	1	1	1	0.032	U	
118-96-7	2,4,6-TRINITROTOLUENE	1	0.25	0.25	0.018	U	
19406-51-0	4-AMINO-2,6-DNT	1	0.25	0.25	0.03	U	
35572-78-2	2-AMINO-4,6-DNT	1	0.25	0.25	0.03	U	
606-20-2	2,6-DINITROTOLUENE	1	0.25	0.25	0.029	U	
121-14-2	2,4-DINITROTOLUENE	1	0.25	0.25	0.024	U	
88-72-2	2-NITROTOLUENE	1	1	1	0.018	U	
99-99-0	4-NITROTOLUENE	1	1	1	0.029	U	
99-08-1	3-NITROTOLUENE	1	1	1	0.03	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
100-25-4	1,4-DINITROBENZENE	1.53		2.14	71	52 - 123

Data Package ID: *HP0110024-1*

HPLC Explosives

Method SW8330

Sample Results

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3051
Lab ID: 0110024-4

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 09-Oct-01
Date Analyzed: 16-Oct-01

Prep Batch: EX011009-3
QCBatchID: EX011009-3-2
Run ID: HP011016-31
Cleanup: NONE
Basis: As Received

Sample Aliquot: 350 ML
Final Volume: 3 ML
Result Units: UG/L
CleanupDF: 1
File Name: 3H000283

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	MDL	Result Qualifier	EPA Qualifier
2691-41-0	HMX	1	1	1	0.023	U	
121-82-4	RDX	1	0.84	0.84	0.03	U	
99-35-4	1,3,5-TRINITROBENZENE	1	0.26	0.26	0.031	U	
99-65-0	1,3-DINITROBENZENE	1	0.25	0.25	0.03	U	
479-45-8	TETRYL	1	1	1	0.03	U	
98-95-3	NITROBENZENE	1	1	1	0.032	U	
118-96-7	2,4,6-TRINITROTOLUENE	1	0.25	0.25	0.018	U	
19406-51-0	4-AMINO-2,6-DNT	1	0.25	0.25	0.03	U	
35572-78-2	2-AMINO-4,6-DNT	1	0.25	0.25	0.03	U	
606-20-2	2,6-DINITROTOLUENE	1	0.25	0.25	0.029	U	
121-14-2	2,4-DINITROTOLUENE	1	0.25	0.25	0.024	U	
88-72-2	2-NITROTOLUENE	1	1	1	0.018	U	
99-99-0	4-NITROTOLUENE	1	1	1	0.029	U	
99-08-1	3-NITROTOLUENE	1	1	1	0.03	U	

Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
100-25-4	1,4-DINITROBENZENE	1.48		2.14	69	52 - 123

Data Package ID: *HP0110024-1*

Supporting QA/QC Data

Surrogate Summary for HPLC Explosives

Method SW8330

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: *IT Corporation*
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

PrepBatchID: EX011009-3
QC Batch ID: EX011009-3-2
Date Extracted: 10/9/2001

Surrogate Compound	Control Limits Lower	Control Limits Upper
1,4-dinitrobenzene	52	123

Lab ID	Client Sample ID	Date Collected	Date Received	% Recovery
0110024-1	BD3045	10/4/2001	10/6/2001	0
0110024-2MSD	BD3047	10/4/2001	10/6/2001	1
0110024-2MS	BD3047	10/4/2001	10/6/2001	38
0110024-2	BD3047	10/4/2001	10/6/2001	0
0110024-3	BD3049	10/4/2001	10/6/2001	71
0110024-4	BD3051	10/4/2001	10/6/2001	69
EX011009-3LCSD	XXXXXXX	10/9/2001	10/6/2001	78
EX011009-3LCS	XXXXXXX	10/9/2001	10/6/2001	69
EX011009-3MB	XXXXXXX	10/9/2001	10/6/2001	70

Data Package ID: *HP0110024-1*

HPLC Explosives

Method SW8330

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011009-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/09/2001
Date Analyzed: 10/16/2001

Prep Batch: EX011009-3
QCBatchID: EX011009-3-2
Run ID: HP011016-31
Cleanup: NONE
Basis: N/A

Sample Aliquot: 350 ML
Final Volume: 3 ML
Result Units: UG/L
CleanupDF: 1

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
2691-41-0	HMX	4.29	3.54	1		83	55 - 125%
121-82-4	RDX	4.29	3.43	0.84		80	47 - 122%
99-35-4	1,3,5-TRINITROBENZENE	4.29	3.45	0.26		80	51 - 116%
99-65-0	1,3-DINITROBENZENE	4.29	3.2	0.25		75	55 - 113%
479-45-8	TETRYL	4.29	0.922	1	J	22	19 - 120%
98-95-3	NITROBENZENE	4.29	2.81	1		66	51 - 103%
118-96-7	2,4,6-TRINITROTOLUENE	4.29	2.89	0.25		67	51 - 113%
19406-51-0	4-AMINO-2,6-DNT	4.29	3.93	0.25		92	54 - 133%
35572-78-2	2-AMINO-4,6-DNT	4.29	3.34	0.25		78	56 - 122%
606-20-2	2,6-DINITROTOLUENE	4.29	3.4	0.25		79	47 - 123%
121-14-2	2,4-DINITROTOLUENE	4.29	3.21	0.25		75	56 - 113%
88-72-2	2-NITROTOLUENE	4.29	3.01	1		70	54 - 115%
99-99-0	4-NITROTOLUENE	4.29	2.88	1		67	53 - 109%
99-08-1	3-NITROTOLUENE	4.29	3.05	1		71	57 - 116%

Data Package ID: *HP0110024-1*

HPLC Explosives

Method SW8330

Laboratory Control Standard and Laboratory Control Standard Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Lab ID: EX011009-3LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 10/09/2001
Date Analyzed: 10/16/2001

Prep Batch: EX011009-3
QCBatchID: EX011009-3-2
Run ID: HP011016-31
Cleanup: NONE
Basis: N/A

Sample Aliquot: 350 ML
Final Volume: 3 ML
Result Units: UG/L
CleanupDF: 1

Lab ID: EX011009-3LCSD

CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	LCSD % Rec.	Result Qualifier	RPD	RPD Limits
2691-41-0	HMX	4.29	3.74	1	87		5	30
121-82-4	RDX	4.29	3.83	0.84	89		11	30
99-35-4	1,3,5-TRINITROBENZENE	4.29	3.73	0.26	87		8	30
99-65-0	1,3-DINITROBENZENE	4.29	3.57	0.25	83		11	30
479-45-8	TETRYL	4.29	1.92	1	45	+	70	30
98-95-3	NITROBENZENE	4.29	3.17	1	74		12	30
118-96-7	2,4,6-TRINITROTOLUENE	4.29	2.94	0.25	69		2	30
19406-51-0	4-AMINO-2,6-DNT	4.29	3.71	0.25	87		6	30
35572-78-2	2-AMINO-4,6-DNT	4.29	3.38	0.25	79		1	30
606-20-2	2,6-DINITROTOLUENE	4.29	3.45	0.25	80		1	30
121-14-2	2,4-DINITROTOLUENE	4.29	3.34	0.25	78		4	30
88-72-2	2-NITROTOLUENE	4.29	3.25	1	76		8	30
99-99-0	4-NITROTOLUENE	4.29	3.1	1	72		7	30
99-08-1	3-NITROTOLUENE	4.29	3.3	1	77		8	30

Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
100-25-4	1,4-DINITROBENZENE	2.14	69		78		52 - 123

Data Package ID: *HP0110024-1*

HPLC Explosives

Method SW8330

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: *IT Corporation*
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3047
LabID: 0110024-2MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 09-Oct-01
Date Analyzed: 16-Oct-01

Prep Batch: EX011009-3
QCBatchID: EX011009-3-2
Run ID: HP011016-31
Cleanup: NONE
Basis: As Received

Sample Aliquot: 350 ML
Final Volume: 3 ML
Result Units: UG/L

CASNO	Target Analyte	Sample Result	Samp Qual	MS Result	MS Qual	Reporting Limit	Spike Added	MS % Rec.	Control Limits
2691-41-0	HMX	1	U	3.52		1	4.29	82	55 - 125%
121-82-4	RDX	0.84	U	4.34		0.84	4.29	101	47 - 122%
99-35-4	1,3,5-TRINITROBENZENE	0.26	U	0.277	*	0.26	4.29	6	51 - 116%
99-65-0	1,3-DINITROBENZENE	0.25	U	5.97	*	0.25	4.29	139	55 - 113%
479-45-8	TETRYL	1	U	1	U*	1	4.29	0	19 - 120%
98-95-3	NITROBENZENE	1	U	4.38		1	4.29	102	51 - 103%
118-96-7	2,4,6-TRINITROTOLUENE	0.04	J	1.85	*	0.25	4.29	42	51 - 113%
19406-51-0	4-AMINO-2,6-DNT	0.25	U	3.77		0.25	4.29	88	54 - 133%
35572-78-2	2-AMINO-4,6-DNT	0.051	J	3.34		0.25	4.29	77	56 - 122%
606-20-2	2,6-DINITROTOLUENE	0.25	U	3.19		0.25	4.29	74	47 - 123%
121-14-2	2,4-DINITROTOLUENE	0.25	U	3.02		0.25	4.29	71	56 - 113%
88-72-2	2-NITROTOLUENE	1	U	2.97		1	4.29	69	54 - 115%
99-99-0	4-NITROTOLUENE	1	U	2.71		1	4.29	63	53 - 109%
99-08-1	3-NITROTOLUENE	1	U	3.07		1	4.29	72	57 - 116%

Data Package ID: *HP0110024-1*

HPLC Explosives

Method SW8330

Matrix Spike And Matrix Spike Duplicate

Lab Name: Paragon Analytics, Inc.
Work Order Number: 0110024
Client Name: IT Corporation
ClientProject ID: PLUMBROOK ORDINACE WORKS 825635

Field ID: BD3047
LabID: 0110024-2MS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: 04-Oct-01
Date Extracted: 09-Oct-01
Date Analyzed: 16-Oct-01

Prep Batch: EX011009-3
QCBatchID: EX011009-3-2
Run ID: HP011016-31
Cleanup: NONE
Basis: As Received

Sample Aliquot: 350 ML
Final Volume: 3 ML
Result Units: UG/L

MSD Lab ID: 0110024-2MSD

CASNO	Target Analyte	Spike Added	MSD Result	MSD Qual	Reporting Limit	MSD % Rec.	RPD	RPD Limits
2691-41-0	HMX	4.29	4.12		1	96	16	30
121-82-4	RDX	4.29	4.85		0.84	113	11	30
99-35-4	1,3,5-TRINITROBENZENE	4.29	0.237	J*	0.26	6	15	30
99-65-0	1,3-DINITROBENZENE	4.29	6.79	*	0.25	158	13	30
479-45-8	TETRYL	4.29	1	U*	1	0		30
98-95-3	NITROBENZENE	4.29	6.35	*+	1	148	37	30
118-96-7	2,4,6-TRINITROTOLUENE	4.29	2.3		0.25	53	21	30
19406-51-0	4-AMINO-2,6-DNT	4.29	4.53		0.25	106	18	30
35572-78-2	2-AMINO-4,6-DNT	4.29	4.25		0.25	98	24	30
606-20-2	2,6-DINITROTOLUENE	4.29	3.85		0.25	90	19	30
121-14-2	2,4-DINITROTOLUENE	4.29	3.72		0.25	87	21	30
88-72-2	2-NITROTOLUENE	4.29	3.68		1	86	21	30
99-99-0	4-NITROTOLUENE	4.29	3.36		1	78	22	30
99-08-1	3-NITROTOLUENE	4.29	3.77		1	88	21	30

Surrogate Recovery MS/MSD

CASNO	Target Analyte	Spike Added	MS % Rec.	MS Flag	MSD % Rec.	MSD Flag	Control Limits
100-25-4	1,4-DINITROBENZENE	2.14	38	*	1	*	52 - 123

Data Package ID: *HP0110024-1*

Prep Batch ID: EX011009-3

Start Date: 10/9/01
Start Time: 12:00
Prep Analyst: Craig Hults

End Date: 10/9/01
End Time: 16:00

Concentration Method: NVAP
Extract Method: METHOD
Initial Volume Units: ML
Final Volume Units: ML

Batch Created By: CAH
Date Created: 10/9/01
Time Created: 16:25
Validated By: CAH
Date Validated: 10/11/01
Time Validated: 9:31

Comments:

QC Batch ID: EX011009-3-2

Lab ID	QC Type	Field ID	Matrix	Date Collected	Initial Wt/Vol	Final Wt/Vol	Cleanup Method	Cleanup DF	Order Number
EX011009-3	MB	XXXXXX	WATER	XXXXXX	350	3	NONE	1	0110024
EX011009-3	LCS	XXXXXX	WATER	XXXXXX	350	3	NONE	1	0110024
EX011009-3	LCSD	XXXXXX	WATER	XXXXXX	350	3	NONE	1	0110024
0110024-2	MS	BD3047	WATER	10/4/2001	350	3	NONE	1	0110024
0110024-2	MSD	BD3047	WATER	10/4/2001	350	3	NONE	1	0110024
0110024-1	SMP	BD3045	WATER	10/4/2001	350	3	NONE	1	0110024
0110024-2	SMP	BD3047	WATER	10/4/2001	350	3	NONE	1	0110024
0110024-3	SMP	BD3049	WATER	10/4/2001	350	3	NONE	1	0110024
0110024-4	SMP	BD3051	WATER	10/4/2001	350	3	NONE	1	0110024

QC Types

DUP	Laboratory Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MB	Method Blank
MS	Laboratory Matrix Spike
MSD	Laboratory Matrix Spike Duplicate
SMP	Field Sample

Paragon Analytics Inc.
LIMS Version: 1.960

Date Printed: Friday, October 26, 2001

Calibration Table

8330 High Explosives

Calib. Data Modified : 4/24/01 10:06:19

Calculate : External Standard
Based on : Peak Area

Rel. Reference Window : 0.000 %
Abs. Reference Window : 0.400 min
Rel. Non-ref. Window : 5.000 %
Abs. Non-ref. Window : 0.400 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear ~~(some peaks differ, see below)~~
Origin : Ignored ~~(some peaks differ, see below)~~
Weight : Equal
RP 4/24/01

Recalibration Settings:
Average Response : Average all calibrations
Average Retention Time: Average all calibrations

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Signal 1: DAD1 A, Sig=254,40 Ref=450,80

RetTime [min]	Sig	Lvl	Amount [ug/ml]	Area	Amt/Area	Ref	Grp	Name
4.747	1	1	1.00000e-2	6.10370	1.63835e-3			HMX
		2	2.50000e-2	11.16158	2.23983e-3			
		3	1.00000e-1	38.17014	2.61985e-3			
		4	5.00000e-1	179.69145	2.78255e-3			
		5	1.00000	331.89648	3.01299e-3			
		6	2.50000	827.65845	3.02057e-3			
7.041	1	1	1.00000e-2	2.89917	3.44927e-3			RDX
		2	2.50000e-2	8.04747	3.10657e-3			
		3	1.00000e-1	36.06764	2.77257e-3			
		4	5.00000e-1	193.36096	2.58584e-3			
		5	1.00000	326.31400	3.06453e-3			
		6	2.50000	844.43073	2.96057e-3			
9.454	1	1	1.00000e-2	10.06574	9.93469e-4			1,3,5-TNB
		2	2.50000e-2	22.77873	1.09752e-3			
		3	1.00000e-1	83.57488	1.19653e-3			
		4	5.00000e-1	412.76266	1.21135e-3			
		5	1.00000	776.53802	1.28777e-3			
		6	2.50000	1971.90161	1.26781e-3			
10.473	1	1	1.00000e-2	12.08799	8.27267e-4			1,4-DNB
		2	2.50000e-2	25.03664	9.98537e-4			

Method C:\HPCHEM\1\METHODS\042301P.M

RetTime [min]	Sig	Lvl	Amount [ug/ml]	Area	Amt/Area	Ref	Grp	Name
		3	1.00000e-1	97.34520	1.02727e-3			
		4	5.00000e-1	483.58588	1.03394e-3			
		5	1.00000	917.10638	1.09039e-3			
		6	2.50000	2359.62964	1.05949e-3			
11.479	1	1	1.00000e-2	12.64108	7.91072e-4			1,3-DNB
		2	2.50000e-2	26.72289	9.35527e-4			
		3	1.00000e-1	106.73792	9.36874e-4			
		4	5.00000e-1	524.60278	9.53102e-4			
		5	1.00000	991.31244	1.00876e-3			
		6	2.50000	2542.19971	9.83400e-4			
12.047	1	1	1.00000e-2	7.25606	1.37816e-3			Tetryl
		2	2.50000e-2	14.21771	1.75837e-3			
		3	1.00000e-1	62.04285	1.61179e-3			
		4	5.00000e-1	308.49799	1.62076e-3			
		5	1.00000	571.30084	1.75039e-3			
		6	2.50000	1489.10742	1.67886e-3			
12.872	1	1	1.00000e-2	6.88094	1.45329e-3			Nitrobenzene
		2	2.50000e-2	17.36300	1.43984e-3			
		3	1.00000e-1	74.83756	1.33623e-3			
		4	5.00000e-1	373.45596	1.33885e-3			
		5	1.00000	702.57568	1.42333e-3			
		6	2.50000	1814.08545	1.37810e-3			
14.545	1	1	1.00000e-2	7.57609	1.31994e-3			2,4,6-TNT
		2	2.50000e-2	21.49978	1.16280e-3			
		3	1.00000e-1	76.47401	1.30763e-3			
		4	5.00000e-1	378.16080	1.32219e-3			
		5	1.00000	707.34406	1.41374e-3			
		6	2.50000	1828.86438	1.36697e-3			
15.161	1	1	1.00000e-2	7.20121	1.38866e-3			4-Am-2,6-DNT
		2	2.50000e-2	22.01481	1.13560e-3			
		3	1.00000e-1	71.91142	1.39060e-3			
		4	5.00000e-1	355.74313	1.40551e-3			
		5	1.00000	660.59973	1.51378e-3			
		6	2.50000	1710.20105	1.46182e-3			
16.129	1	1	1.00000e-2	7.94493	1.25866e-3			2-Am-4,6-DNT
		2	2.50000e-2	26.49886	9.43437e-4			
		3	1.00000e-1	83.83837	1.19277e-3			
		4	5.00000e-1	414.42377	1.20649e-3			
		5	1.00000	771.80682	1.29566e-3			
		6	2.50000	2025.54565	1.23424e-3			
16.829	1	1	1.00000e-2	8.18022	1.22246e-3			2,6-DNT
		2	2.50000e-2	17.87792	1.39837e-3			
		3	1.00000e-1	53.48108	1.86982e-3			
		4	5.00000e-1	258.93686	1.93097e-3			
		5	1.00000	489.69449	2.04209e-3			
		6	2.50000	1257.67896	1.98779e-3			
17.523	1	1	1.00000e-2	13.58688	7.36004e-4			2,4-DNT
		2	2.50000e-2	29.82706	8.38165e-4			
		3	1.00000e-1	102.80371	9.72728e-4			
		4	5.00000e-1	497.86612	1.00429e-3			
		5	1.00000	926.26050	1.07961e-3			
		6	2.50000	2411.36914	1.03676e-3			
20.254	1	1	1.00000e-2	6.07465	1.64619e-3			o-NT
		2	2.50000e-2	11.04877	2.26269e-3			
		3	1.00000e-1	43.95460	2.27507e-3			
		4	5.00000e-1	222.51878	2.24700e-3			

RetTime [min]	Sig	Lvl	Amount [ug/ml]	Area	Amt/Area	Ref	Grp	Name
		5	1.00000	428.91763	2.33145e-3			
		6	2.50000	1097.16638	2.27860e-3			
21.660	1	1	1.00000e-2	5.77095	1.73282e-3			p-NT
		2	2.50000e-2	11.98000	2.08681e-3			
		3	1.00000e-1	51.37161	1.94660e-3			
		4	5.00000e-1	247.63739	2.01908e-3			
		5	1.00000	472.98264	2.11424e-3			
		6	2.50000	1211.96753	2.06276e-3			
23.285	1	1	1.00000e-2	4.62347	2.16288e-3			m-NT
		2	2.50000e-2	13.40060	1.86559e-3			
		3	1.00000e-1	53.54708	1.86752e-3			
		4	5.00000e-1	266.12997	1.87878e-3			
		5	1.00000	502.86691	1.98860e-3			
		6	2.50000	1309.23010	1.90952e-3			

More compound-specific settings:

Compound: HMX
Time Window : From 4.707 min To 4.787 min
Curve Type : Linear
Origin : Ignored

Compound: RDX
Time Window : From 6.911 min To 7.171 min
Curve Type : Linear
Origin : Ignored

Compound: 1,3,5-TNB
Time Window : From 9.274 min To 9.634 min
Curve Type : Linear
Origin : Ignored

Compound: 1,4-DNB
Time Window : From 10.253 min To 10.693 min
Curve Type : Linear
Origin : Ignored

Compound: 1,3-DNB
Time Window : From 11.219 min To 11.739 min
Curve Type : Linear
Origin : Ignored

Compound: Tetryl
Time Window : From 11.497 min To 12.597 min
Curve Type : Linear
Origin : Ignored

Compound: Nitrobenzene
Time Window : From 12.572 min To 13.172 min
Curve Type : Linear
Origin : Ignored

Compound: 2,4,6-TNT
Time Window : From 14.185 min To 14.905 min
Curve Type : Linear
Origin : Ignored

Method C:\HPCHEM\1\METHODS\042301P.M

Compound: 4-Am-2,6-DNT
Time Window : From 14.651 min To 15.671 min
Curve Type : Linear
Origin : Ignored

Compound: 2-Am-4,6-DNT
Time Window : From 15.569 min To 16.689 min
Curve Type : Linear
Origin : Ignored

Compound: 2,6-DNT
Time Window : From 16.359 min To 17.299 min
Curve Type : Linear
Origin : Ignored

Compound: 2,4-DNT
Time Window : From 17.013 min To 18.033 min
Curve Type : Linear
Origin : Ignored

Compound: o-NT
Time Window : From 19.674 min To 20.834 min
Curve Type : Linear
Origin : Ignored

Compound: p-NT
Time Window : From 20.990 min To 22.330 min
Curve Type : Linear
Origin : Ignored

Compound: m-NT
Time Window : From 22.625 min To 23.945 min
Curve Type : Linear
Origin : Ignored

6 Warnings or Errors :

Warning : Overlapping peak time windows at 11.479 min, signal 1
Warning : Overlapping peak time windows at 12.047 min, signal 1
Warning : Overlapping peak time windows at 14.545 min, signal 1
Warning : Overlapping peak time windows at 15.161 min, signal 1
Warning : Overlapping peak time windows at 16.129 min, signal 1
Warning : Overlapping peak time windows at 16.829 min, signal 1

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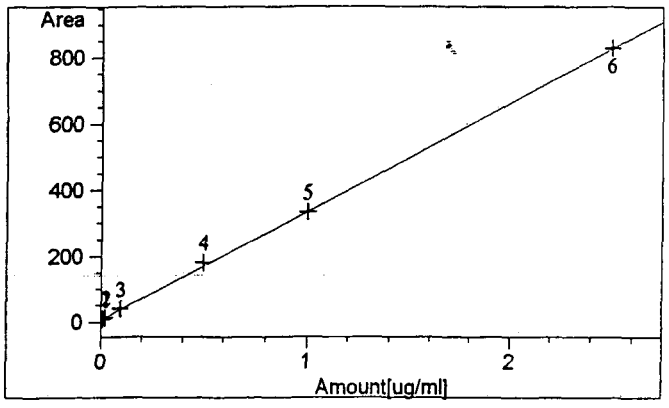
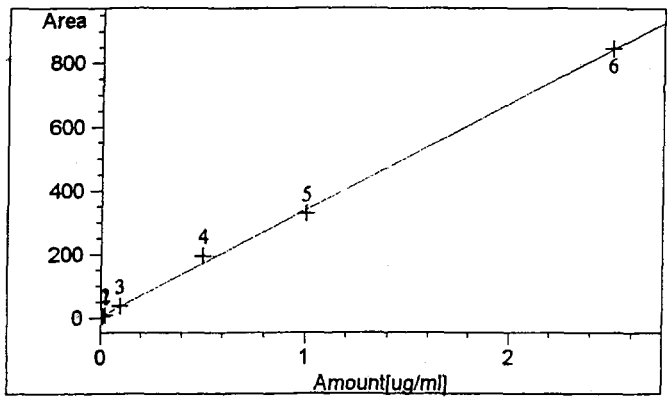
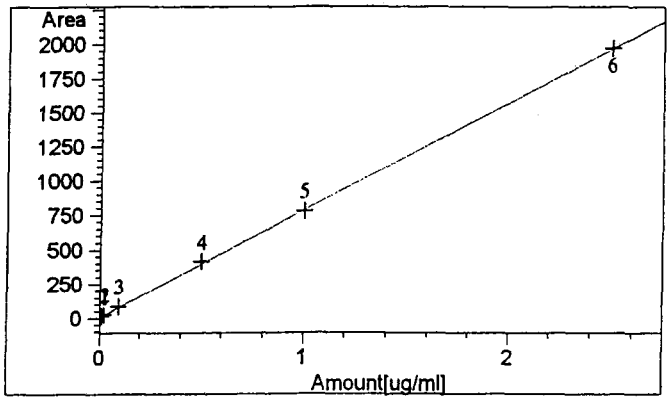
Calibration Curves



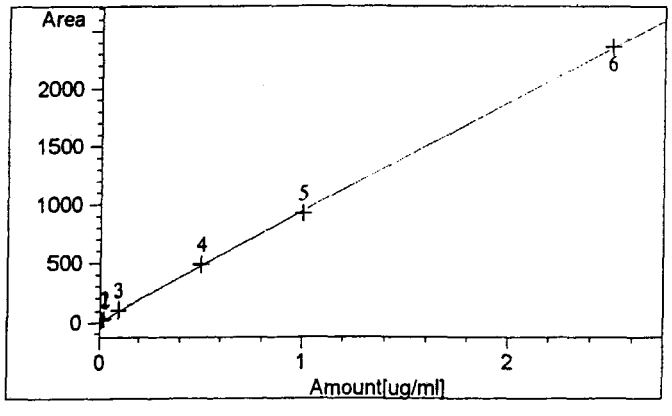
HMX at exp. RT: 4.747
DAD1 A, Sig=254,40 Ref=450,80
Correlation: 0.99989
Residual Std. Dev.: 5.34690
Formula: y = mx + b
m: 329.08611
b: 5.65179
x: Amount[ug/ml]
y: Area



RDX at exp. RT: 7.041
DAD1 A, Sig=254,40 Ref=450,80
Correlation: 0.99935
Residual Std. Dev.: 13.07704
Formula: y = mx + b
m: 335.85162
b: 3.72892
x: Amount[ug/ml]
y: Area



1,3,5-TNB at exp. RT: 9.454
DAD1 A, Sig=254,40 Ref=450,80
Correlation: 0.99992
Residual Std. Dev.: 10.49854
Formula: y = mx + b
m: 785.85219
b: 4.68714
x: Amount[ug/ml]
y: Area



1,4-DNB at exp. RT: 10.473
DAD1 A, Sig=254,40 Ref=450,80
Correlation: 0.99990
Residual Std. Dev.: 14.23001
Formula: y = mx + b
m: 940.62959
b: 8.81399e-1
x: Amount[ug/ml]
y: Area