SFUND RECORDS CTR
2033353

Continental Heat Treating

5194

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 31519 SDG No. MY05H9 SDG Nos. To Follow _____ Date Recvd 4 / 10 / 2003

EPA Lab ID: Chemtech

Lab Location: N.J.

Region: IX Audit No. 3/03-10

Re-Submitted CSF? Yes ___ No ✓

Box No(s): _____

COMMENTS:

Over for additional comments.

ITEMS	YES	NO	N/A
3.5" DESKETTE	✓		
CUSTODY SEALS			
1. Present on package?	✓		
2. Intact upon receipt?	✓		
FORM DC-2			
3. Numbering scheme accurate?	✓		
4. Are enclosed documents listed?	✓		
5. Are listed documents enclosed?	✓		
FORM DC-1			
6. Present?	✓		
7. Complete?	✓		
8. Accurate?	✓		
CHAIN-OF-CUSTODY RECORD(s)			
9. Signed?	✓		
10. Dated?	✓		
TRAFFIC REPORT(s) PACKING LIST(s)			
11. Signed?	✓		
12. Dated?	✓		
AIRBILLS/AIRBILL STICKER			
13. Present?	✓		
14. Signed?	✓		
15. Dated?	✓		
SAMPLE TAGS			
16. Does DC-1 list tags as being included?		✓	
17. Present?			✓
ALL DOCUMENTS			
18. Activities identified?	✓		
19. Legible?	✓		
20. Original?	✓		
20a. If "NO," does the copy indicate where original documents are located?			

Received by: Beth Morton ASCC _____ Date 4/10/2003
Signature Printed Name/Title

Audited by: Stan Kott STAN KOTT / ESAT Date 5/8/03
Signature Printed Name/Title

TO BE COMPLETED BY CEAT

Date Recvd by CEAT: ___/___/___ Date Entered: ___/___/___ Date Reviewed: ___/___/___

Entered by: _____ _____

Reviewed by: _____ _____
Signature Printed Name/Title

DC-2 ____

2033353

LETTER OF TRANSMITTA

Weston Solutions, Inc.
Suite 1000
14724 Ventura Boulevard
Sherman Oaks, California 91403-3501

TO: Rich Freitas

DATE 3-24-03 | JOB NO.

ATTENTION

RE: QA/QC Summary Forms
Organic 2pgs + Inorganic 2pgs

WE ARE SENDING YOU: ☒ Attached ☐ Under separate cover via _____ the following items:
☐ Shop drawings ☐ Prints ☐ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☐ _____

COPIES	DATE	NO	DESCRIPTION

THESE ARE TRANSMITTED as checked below:

☐ For approval ☐ Approved as submitted ☐ Resubmit____copies for approval
☐ For your use ☐ Approved as noted ☐ Submit _____copies for distribution
☒ As requested ☐ Returned for corrections ☐ Return _____corrected prints
☐ For review and comment ☐ _____
☐ FOR BIDS DUE _____19____ ☐ PRINTS RETURNED AFTER LOAN TO US

REMARKS:

Rich -
Here are the QA/QC Summary Forms for Continental Heat Treating and Jalk Fce. Please call me if you have any questions. Thanks.
(818) 382-1818

FROM: Amanda K. Cohan Signature: AKC

FIELD QA/QC SUMMARY FORM

Instructions: Complete one form per laboratory and per matrix for each sampling event.

DATE: March 24, 2003
Sampler: Weston Solutions
Office: Sherman Oaks, CA
Phone #: (818) 382-1800

Site: Continental Heat Treating
Case/SAS#: 31519
Laboratory: Chemtech

Matrix: (check one)
___ Groundwater
___ Surface Water
___ Surface soil
X Subsurface soil
___ Air
___ Other ___

I. BLANKS

Sample:	Type (check one)	Date Collected
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	

II. BACKGROUND SAMPLES

Sample #	Date Collected

III. LAB QC SAMPLES

Sample #	Date Collected
MY05H9	3-18-03

IV. DUPLICATES

Sample:	Matches Sample:	Date Collected	Type (choose one)
MY05J1	MY05J0	3-18-03	___ a/ X b/ ___ c/ ___ d
			___ a/ X b/ ___ c/ ___ d
			___ a/ ___ b/ ___ c/ ___ d
			___ a/ ___ b/ ___ c/ ___ d
			___ a/ ___ b/ ___ c/ ___ d
			___ a/ ___ b/ ___ c/ ___ d

a = composite split
b = consecutive
c = colocated
d= consecutive soil sleeves

V. Checklist of Field Problems Encountered

		Sample # / Date(s) of Occurrence / Comments
___	None	
___	Pumping Equipment Problems	
___	Sample Filtering Problems	
___	Less Than Required Sample Volume	
___	Low Flow/Recharge Rates	
___	Preservation Problem	
X	Samples Not Shipped in 24 hours	MY05H9, MY05J0 MY05J1 / 3-18-03/
___	Federal Express Delay	

Samples were collected 3-18-03 and shipped 3-19-03. Samples were kept on ice from time of collection to time of shipment. Samples were packed in coolers with ice prior to shipment

FIELD QA/QC SUMMARY FORM

Instructions: Complete one form per laboratory and per matrix for each sampling event.

DATE: March 24, 2003
Sampler: Weston Solutions
Office: Sherman Oaks, CA
Phone #: (818) 382-1800

Site: Continental Heat Treating
Case/SAS#: 31519
Laboratory: Chemtech

Matrix: (check one)
X Groundwater
Surface Water
Surface soil
Subsurface soil
Air
Other

I. BLANKS

Sample:	Type (check one)	Date Collected
MYOSJ5	X Equip ___ Field ___ Travel	3-19-03
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	
	___ Equip ___ Field ___ Travel	

II. BACKGROUND SAMPLES

Sample #	Date Collected

III. LAB QC SAMPLES

Sample #	Date Collected
MYOSJ2	3-19-03

IV. DUPLICATES

Sample:	Matches Sample:	Date Collected	Type (choose one)
MYOSJ3	MYOSJ2	3-19-03	___ a/ X b/ ___ c/ ___ d
			___ a/ ___ b/ ___ c/ ___ d
			___ a/ ___ b/ ___ c/ ___ d
			___ a/ ___ b/ ___ c/ ___ d
			___ a/ ___ b/ ___ c/ ___ d
			___ a/ ___ b/ ___ c/ ___ d

a = composite split
b = consecutive
c = colocated
d= consecutive soil sleeves

V. Checklist of Field Problems Encountered

		Sample # / Date(s) of Occurrence / Comments
None		
___	Pumping Equipment Problems	
___	Sample Filtering Problems	
___	Less Than Required Sample Volume	
___	Low Flow/Recharge Rates	
___	Preservation Problem	
___	Samples Not Shipped in 24 hours	
___	Federal Express Delay	

R-9

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME Chemtech
CITY/STATE Mountain side, NJ 07092
CASE NO. 31519 SDG NO. MY05H9
SDG NOs. TO FOLLOW
NRAS NO.
CONTRACT NO. 68-W0-2068
SOW NO.

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.6)

	PAGE NOs. FROM	TO	CHECK LAB	REGION
1. Inventory Sheet (DC-2) (Do not number)	—	—	—	✓
2. Sample Log-In Sheet (DC-1)	01	01	✓	✓
3. Traffic Report/Chain of Custody Record	02	02	✓	✓
4. Cover Page	03	03	✓	✓
5. SDG Narrative	04	05	✓	✓
Inorganic Analysis				
6. Data Sheet (Form I-IN)	06	12	✓	✓
7. Initial & Continuing Calibration Verification (Form IIA-IN)	13	16	✓	✓
8. CRQL Standard (Form IIB-IN)	17	18	✓	✓
9. Blanks (Form III-IN)	19	20	✓	✓
10. ICP-AES Interference Check Sample (Form IVA-IN)	N/A	—	—	N/A
11. ICP-MS Interference Check Sample (Form IVB-IN)	N/A	—	—	N/A
12. Matrix Spike Sample Recovery (Form VA-IN)	21	22	✓	✓
13. Post-Digestion Spike Sample Recovery (Form VB-IN)	23	24	✓	✓
14. Duplicates (Form VI-IN)	25	26	✓	✓
15. Laboratory Control Sample (Form VII-IN)	27	27	✓	✓
16. ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	4/10/13 ~~N/A~~	—	—	N/A
17. Method Detection Limits (Annually) (Form IX-IN)	28	30	✓	✓
18. ICP-AES Interelement Correction Factors (Quarterly) (Form XA-IN)	N/A	—	—	N/A
19. ICP-AES Interelement Correction Factors (Quarterly) (Form XB-IN)	N/A	—	—	N/A
20. ICP-AES and ICP-MS Linear Ranges (Quarterly) (Form XI-IN)	N/A	—	—	N/A
21. Preparation Log (Form XII-IN)	31	32	✓	✓
22. Analysis Run Log (Form XIII-IN)	33	34	✓	✓

	PAGE NOs. FROM	TO	CHECK LAB	REGION
23. ICP-MS Tune (Form XIV-IN)	N/A	—	—	N/A
24. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	N/A	—	—	↓
25. ICP-AES Raw Data	N/A	—	—	↓
26. GFAA Raw Data (If Applicable)	N/A	—	—	↓
27. ICP-MS Raw Data	N/A	—	—	↓
28. Mercury Raw Data	N/A	—	—	↓
29. Cyanide Raw Data	35	42	✓	✓
30. Preparation Logs Raw Data	43	56	✓	✓
31. Percent Solids Determination Log	57	57	✓	✓
32. USEPA Shipping/Receiving Documents				
Airbill (No. of Shipments 1)	58	58	✓	✓
Sample Tags	N/A	—	—	N/A
Sample Log-In Sheet (Lab)	59	60	✓	✓
33. Misc. Shipping/Receiving Records (list all individual records)				
Telephone Logs	61	61	✓	✓
SDG cover page	62	64	✓	✓
Internal chain of custody	—	—	—	—
34. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)				
Lab-chronicle	65	65	✓	✓
	—	—	—	—
35. Internal Original Sample Prep & Analysis Records (describe or list)				
Prep Records				N/A
Analysis Records				↓
Description				↓
36. Other Records (describe or list)				
Telephone Communications Log				↓
				↓
				↓

37. Comments: LB 4/30/03

Completed by: (CLP Lab) [signature] (Signature) Raghotha, Kalpana (Print Name & Title) 4/10/03 (Date)

Audited by: (USEPA) Stan Kott (Signature) STAN KOTT / ESAT (Print Name & Title) 5-8-03 (Date)

	PAGE NOs. FROM	TO	CHECK LAB	REGION
23. ICP-MS Tune (Form XIV-IN)	N/A	—	—	—
24. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	N/A	—	—	—
25. ICP-AES Raw Data	N/A	—	—	—
26. GFAA Raw Data (If Applicable)	N/A	—	—	—
27. ICP-MS Raw Data	N/A	—	—	—
28. Mercury Raw Data	N/A	—	—	—
29. Cyanide Raw Data	35	42	✓	—
30. Preparation Logs Raw Data	43	56B	✓	— 6/16/03
31. Percent Solids Determination Log	57	57	✓	—
32. USEPA Shipping/Receiving Documents				
Airbill (No. of Shipments 1)	58	58	✓	—
Sample Tags	N/A	—	—	—
Sample Log-In Sheet (Lab)	59	60	✓	—
33. Misc. Shipping/Receiving Records (list all individual records)				
Telephone Logs	61	61	✓	—
SDG cover page	62	64	✓	—
Internal chain of custody	—	—	—	—
34. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)				
Lab-chronicle	65	65	✓	—
—	—	—	—	—
35. Internal Original Sample Prep & Analysis Records (describe or list)				
Prep Records	—			—
Analysis Records	—	—	—	—
Description	—	—	—	—
36. Other Records (describe or list)				
Telephone Communications Log	—	—	—	—
—	—	—	—	—
—	—	—	—	—

37. Comments: LB 4/10/03

Completed by: (CLP Lab) (Signature) Raymatha Kalpana (Print Name & Title) 4/10/03 (Date)

Audited by: (USEPA) (Signature) (Print Name & Title) (Date)

FORM DC-2-2A ILM05.2

INSERTED: 5-21-03 SK/ESAT

SAMPLE LOG-IN SHEET

Lab Name: CHEMTECH CONSULTING GROUP	Page 1 of 1
Received By (Print Name): SUNNY PATEL	Log-in Date 3/20/03
Received By (Signature) Sunny Patel	
Case Number 31519	Sample Delivery Group No. MYØSH9 / NRAS Number

Remarks:

Custody Seal(s)	Present/Absent* Intact/Broken
Custody Seal Nos.	N/A N/A
Traffic Reports/Chain of Custody Records or Packing Lists	Present/Absent*
Airbill	Airbill/Sticker Present/Absent*
Airbill No.	835859426479 —
Sample Tags	Present/Absent*
Sample Tag Numbers	Listed/Not Listed on Traffic Report/Chain of Custody Record
Sample Condition	Intact/Broken*/ Leaking
Cooler Temperature Indicator Bottle	Present/Absent*
Cooler Temperature	3°c
Does information on Traffic Reports/Chain of Custody Records and sample tags agree?	Yes/No*
Date Received at Lab	3/20/03
Time Received	09:15

EPA Sample #	Aqueous Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
MYØSH9	N/A	—	R1872-01	Intact
MYØSH9D	N/A	—	R1872-02	Intact-QC
MYØSH9S	N/A	—	R1872-03	QC Intact
MYØSJØ	N/A	—	R1872-04	Intact
MYØSJ1	N/A	—	R1872-05	Intact
MYØSJ2	CN >12	—	R1872-06	Intact
MYØSJ2D	CN >12	—	R1872-07	QC Intact
MYØSJ2S	CN >12	—	R1872-08	QC Intact
MYØSJ3	CN >12	—	R1872-09	Intact
MYØSJ4	CN >12	—	R1872-10	Intact
MYØSJ5	CN >12	—	R1872-11	Intact

SB 3/20/03

Sample Transfer

Fraction	Fraction
Area #	Area #
By	By
On	On

* Contact SMO and attach record of resolution

Reviewed By		Logbook No.	
Date	03/21/03	Logbook Page No.	

ILM05.2

000001

(3)

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 31519
DAS No:
SDG No: MY0SH9

L

Date Shipped:	3/19/2003
Carrier Name:	FedEx
Airbill:	835859426479
Shipped to:	ChemTech Consulting Group (CHEMED) 284 Sheffield Street Mountainside NJ 07092 (908) 789-8900

Chain of Custody Record

Sampler Signature: [signature]

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	3-19-03 1600	Federal Express	3-19-03 1600
2 FedEx	3/20/03 09:15	Sunny. Patel	3/20/03 9:15
3			
4			

For Lab Use Only

Lab Contract No:	68W02068
Unit Price:	$ 84.00
Transfer To:	
Lab Contract No:	
Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MY0SH9	Soil (>12")/ Amanda Cohan	M/G	CN (21)	(Ice Only) ~~(2)~~(1) AC	CHT-1-S5	S: 3/18/2003	14:15	Y0SH9	
MY0SJ0	Soil (>12")/ Amanda Cohan	M/G	CN (21)	(Ice Only) (1)	CHT-1-S15	S: 3/18/2003	14:30	Y0SJ0	
MY0SJ1	Soil (>12")/ Amanda Cohan	M/G	CN (21)	(Ice Only) (1)	CHT-2-S15	S: 3/18/2003	14:35	Y0SJ1	
MY0SJ2	Ground Water/ Amanda Cohan	M/G	CN (21)	(NaOH) (2)	CHT-GW-1	S: 3/19/2003	14:30	Y0SJ2	
MY0SJ3	Ground Water/ Amanda Cohan	M/G	CN (21)	(~~NaHSO4~~ AC NaOH) (1)	CHT-GW-3	S: 3/19/2003	14:40	Y0SJ3	
MY0SJ4	Ground Water/ Amanda Cohan	M/G	CN (21)	(NaOH) (1)	CHT-GW-2	S: 3/19/2003	11:52	Y0SJ4	
MY0SJ5	Ground Water/ Amanda Cohan	L/G	CN (21)	(NaOH) (1)	CHT-GW-4	S: 3/19/2003	15:30	Y0SJ5	

200000

Shipment for Case Complete? ~~N~~ AC Y	Sample(s) to be used for laboratory QC: MY0SH9, MY0SJ2	Additional Sampler Signature(s): [signature]	Cooler Temperature Upon Receipt: 3°C	Chain of Custody Seal Number: N/A
Analysis Key: CN = Cyanide	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? yes / Shipment Iced? yes

TR Number: 9-233994445-031903-0005

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 2000 Edmund Halley Dr., Reston, VA. 20191-3400 Phone 703/264-9348 Fax 703/264-9222

USEPA - CLP

COVER PAGE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

SOW No.: ILM05.2

EPA SAMPLE NO.	Lab Sample ID.
MY0SH9	R1872-01
MY0SH9D	R1872-02
MY0SH9S	R1872-03
MY0SJ0	R1872-04
MY0SJ1	R1872-05
MY0SJ2	R1872-06
MY0SJ2D	R1872-07
MY0SJ2S	R1872-08
MY0SJ3	R1872-09
MY0SJ4	R1872-10
MY0SJ5	R1872-11

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)		
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)		
If yes-were raw data generated before application of background corrections?	(Yes/No)		

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Mildred V. Reyes Name: MILDRED V. REYES

Date: 4/7/03 Title: QA/QC DIRECTOR

CHEMTECH

SDG NARRATIVE

USEPA
SDG # MY0SH9
CASE # 31519
CONTRACT # 68-W0-2068
LAB NAME: CHEMTECH CONSULTING GROUP
LAB CODE: CHEM
CHEMTECH PROJECT #R1872

A. Number of Samples and Date of Receipt

03 Soil and 04 Water samples were delivered to the laboratory intact on 03/20/03.

B. Parameters
Test requested for Cyanide only.

C. Cooler Temp

Indicator Bottle: Presence/Absence
Cooler Temp: 3°C

D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):

E. Corrective Action taken for above:

F. Analytical Techniques:

All analyses were based on CLP Methodology by method ILM05.2

Note (For Cyanide analysis): Aqueous Cyanide Samples were tested for the Presence for Sulfide and Oxidizing agents, however, results found no indication of Sulfide and Oxidizing agents. Magnesium Chloride Solution also added.

G. Calculation:

Conversion of results from mg/L to mg/kg (Dry Weight Basis):

Mg/Kg = (Result in mg/L) X 1000 X 100/ % Solid X Fraction of Sample Amount Taken in Prep.

Factor of Sample Amount Taken in Prep:

For Cyanide = 20(Where Initial Sample Wt. Taken is 1.00 g and Final Volume is 50 ml.)
If the Initial Sample Wt. Is 1.01 g, then the Factor would be 20 X 1.01 = 20.2

0004

INSERTED:
5-21-03
SK/ESAT

Pas/16/03

CHEMTECH

SDG NARRATIVE

USEPA
SDG # MY0SH9
CASE # 31519
CONTRACT # 68-W0-2068
LAB NAME: CHEMTECH CONSULTING GROUP
LAB CODE: CHEM
CHEMTECH PROJECT #R1872

A. Number of Samples and Date of Receipt

03 Soil and 04 Water samples were delivered to the laboratory intact on 03/20/03.

B. Parameters
Test requested for Total Metals and Cyanide.

C. Cooler Temp

Indicator Bottle: **Presence**/Absence
Cooler Temp: 3°C

D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):

E. Corrective Action taken for above:

F. Analytical Techniques:

All analyses were based on CLP Methodology by method ILM05.2

G. Calculation:

Conversion of results from mg/L to mg/kg (Dry Weight Basis):

Mg/Kg = (Result in mg/L) X 1000 X 100/ % Solid X Fraction of Sample Amount Taken in Prep.

Factor of Sample Amount Taken in Prep:

For Cyanide = 20(Where Initial Sample Wt. Taken is 1.00 g and Final Volume is 50 ml.)
If the Initial Sample Wt. Is 1.01 g, then the Factor would be 20 X 1.01 = 20.2

REMOVED!
5-21-03 SK/ ESAT

G. QA/ QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate the presence of contamination. Laboratory Control sample was within control limits. Spike sample did met requirements. Duplicate sample did met requirements.

CHEMTECH

I certify that the data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature _____ Name: Parveen Hasan

Date 04/05/03 Title: QA/QC

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SH9

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Matrix: (soil/water) SOIL Lab Sample ID: R1872-01

Level: (low/med) MED Date Received: 03/20/2003

% Solids: 89.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide	1.1	U		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SJ0

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Matrix: (soil/water) SOIL Lab Sample ID: R1872-04

Level: (low/med) MED Date Received: 03/20/2003

% Solids: 96.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide	1.0	U		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SJ1

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Matrix: (soil/water) SOIL Lab Sample ID: R1872-05

Level: (low/med) MED Date Received: 03/20/2003

% Solids: 96.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide	1.0	U		AS

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: COLORLESS Clarity After: Artifacts:

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SJ2

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Matrix: (soil/water) WATER Lab Sample ID: R1872-06

Level: (low/med) MED Date Received: 03/20/2003

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide	10.0	U		AS

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SJ3

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Matrix: (soil/water) WATER Lab Sample ID: R1872-09

Level: (low/med) MED Date Received: 03/20/2003

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide	10.0	U		AS

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SJ4

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Matrix: (soil/water) WATER Lab Sample ID: R1872-10

Level: (low/med) MED Date Received: 03/20/2003

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide	10.0	U		AS

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MY0SJ5

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Matrix: (soil/water) WATER Lab Sample ID: R1872-11

Level: (low/med) LOW Date Received: 03/20/2003

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
57-12-5	Cyanide	10.0	U		AS

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Initial Calibration Verification Source: CONTRACTOR

Continuing Calibration Verification Source: EPA_LV

Concentration Units: ug/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide	99.0	99.90	101	500.0	493.30	99	513.10	103	AS

(1) Control limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Initial Calibration Verification Source: CONTRACTOR

Continuing Calibration Verification Source: EPA_LV

Concentration Units: ug/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide				500.0	512.70	103			AS

(1) Control limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Initial Calibration Verification Source: CONTRACTOR

Continuing Calibration Verification Source: EPA_LV

Concentration Units: ug/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide	99.0	94.60	96	500.0	507.50	102	526.10	105	AS

(1) Control limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Initial Calibration Verification Source:

Continuing Calibration Verification Source: EPA_LV

Concentration Units: ug/L

Analyte	Initial Calibration Verification True	Found	%R(1)	Continuing Calibration Verification True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide				500.0	517.30	103			AS

(1) Control limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2B-IN
CRQL CHECK STANDARD

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

CRQL Check Standard Source: CPI

Concentration Units: ug/L

Analyte	CRQL Check Standard True	Initial Found*	%R(1)	Final Found*	%R(1)
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Mercury					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					
Cyanide	10.0	9.10J	91	9.10J	91

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g. 0.20U for Mercury).

USEPA - CLP

2B-IN
CRQL CHECK STANDARD

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

CRQL Check Standard Source: CPI

Concentration Units: ug/L

Analyte	CRQL Check Standard True	Initial Found*	%R(1)	Final Found*	%R(1)
Aluminum					
Antimony					
Arsenic					
Barium					
Beryllium					
Cadmium					
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead					
Magnesium					
Manganese					
Mercury					
Nickel					
Potassium					
Selenium					
Silver					
Sodium					
Thallium					
Vanadium					
Zinc					
Cyanide	10.0	9.70J	97	10.30	103

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g. 0.20U for Mercury).

USEPA - CLP

3-IN
BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide	-1.4	J	-1.3	J	-1.6	J	10.0	U	-0.075	J	AS

USEPA - CLP

3-IN
BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic											NR
Barium											NR
Beryllium											NR
Cadmium											NR
Calcium											NR
Chromium											NR
Cobalt											NR
Copper											NR
Iron											NR
Lead											NR
Magnesium											NR
Manganese											NR
Mercury											NR
Nickel											NR
Potassium											NR
Selenium											NR
Silver											NR
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Cyanide	10.0	U	10.0	U	10.0	U	10.0	U	10.000	U	AS

USEPA - CLP

5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MY0SH9S

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Matrix: (soil/water) SOIL Level: (low/med) MED

% Solids for Sample: 89.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide	75-125	5.6118		1.1123	U	5.56	101		AS

Comments:

USEPA - CLP

5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MY0SJ2S

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Matrix: (soil/water) WATER Level: (low/med) MED

% Solids for Sample: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide	75-125	101.1000		10.0000	U	100.00	101		AS

Comments:

USEPA - CLP

5B-IN
POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MY0SH9A

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Matrix: (soil/water) SOIL Level: (low/med) MED

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

USEPA - CLP

5B-IN
POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MY0SJ2A

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Matrix: (soil/water) WATER Level: (low/med) MED

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide									NR

Comments:

USEPA - CLP

6-IN
DUPLICATES

EPA SAMPLE NO.

MY0SH9D

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Matrix: (soil/water) SOIL Level: (low/med) MED

% Solids for Sample: 89.9 % Solids for Duplicate: 90.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide		1.1123	U	1.1123	U			AS

USEPA - CLP

6-IN
DUPLICATES

EPA SAMPLE NO.

MY0SJ2D

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Matrix: (soil/water) WATER Level: (low/med) MED

% Solids for Sample: 0.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury								NR
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide		10.0000	U	10.0000	U			AS

USEPA - CLP

7-IN
LABORATORY CONTROL SAMPLE

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Solid LCS Source: EPA-LCS(0996)

Aqueous LCS Source: EPA-ICV

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron									
Lead									
Magnesium									
Manganese									
Mercury									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Vanadium									
Zinc									
Cyanide	99.0	94.80	96	5.6	5.4		4.1	7.1	96

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Instrument Type: AS Instrument ID: CN Date: 11/21/2002

Preparation Method: DS2

Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		40	
Antimony		12	
Arsenic		3	
Barium		40	
Beryllium		1	
Cadmium		1	
Calcium		1000	
Chromium		2	
Cobalt		10	
Copper		5	
Iron		20	
Lead		2	
Magnesium		1000	
Manganese		3	
Mercury		0.1	
Nickel		8	
Potassium		1000	
Selenium		7	
Silver		2	
Sodium		1000	
Thallium		5	
Vanadium		10	
Zinc		12	
Cyanide	578.00	1	0.020

Comments:
CN: SPECTRO PHOTO METER GBC UV

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Instrument Type: AS Instrument ID: CN Date: 11/21/2002

Preparation Method: DW2

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		200	
Antimony		60	
Arsenic		15	
Barium		200	
Beryllium		5	
Cadmium		5	
Calcium		5000	
Chromium		10	
Cobalt		50	
Copper		25	
Iron		100	
Lead		10	
Magnesium		5000	
Manganese		15	
Mercury		0.2	
Nickel		40	
Potassium		5000	
Selenium		35	
Silver		10	
Sodium		5000	
Thallium		25	
Vanadium		50	
Zinc		60	
Cyanide	578.00	10	0.76

Comments:
CN: SPECTRO PHOTO METER GBC UV

USEPA - CLP

9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Instrument Type: AS Instrument ID: CN Date: 12/23/2002

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum		200	
Antimony		60	
Arsenic		15	
Barium		200	
Beryllium		5	
Cadmium		5	
Calcium		5000	
Chromium		10	
Cobalt		50	
Copper		25	
Iron		100	
Lead		10	
Magnesium		5000	
Manganese		15	
Mercury		0.2	
Nickel		40	
Potassium		5000	
Selenium		35	
Silver		10	
Sodium		5000	
Thallium		25	
Vanadium		50	
Zinc		60	
Cyanide	578.00	10	0.90

Comments:
CN: SPECTRO PHOTO METER GBC UV

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Preparation Method: DS2

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
ICV1	03/24/2003		50
LCSS1	03/24/2003	1.00	50
MIDRANGE1	03/24/2003		50
MY0SH9	03/24/2003	1.00	50
MY0SH9D	03/24/2003	1.00	50
MY0SH9S	03/24/2003	1.00	50
MY0SJ0	03/24/2003	1.00	50
MY0SJ1	03/24/2003	1.00	50
PBS1	03/24/2003	1.00	50

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Preparation Method: DW2

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
ICV2	03/24/2003		50
LCSW1	03/24/2003		50
MIDRANGE2	03/24/2003		50
MY0SJ2	03/24/2003		50
MY0SJ2D	03/24/2003		50
MY0SJ2S	03/24/2003		50
MY0SJ3	03/24/2003		50
MY0SJ4	03/24/2003		50
MY0SJ5	03/24/2003		50
PBW1	03/24/2003		50

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Instrument ID: CN Analysis Method: AS

Start date: 03/31/2003 End date: 03/31/2003

EPA Sample No.	D/F	Time	Analytes																							
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1605																								X
S10.0	1.00	1607																								X
S100.0	1.00	1609																								X
S500.0	1.00	1611																								X
S1000.0	1.00	1613																								X
ICV1	1.00	1615																								X
ICB1	1.00	1617																								X
CCV1	1.00	1619																								X
CCB1	1.00	1621																								X
CRI1	1.00	1623																								X
MIDRANGE1	1.00	1625																								X
LCSS1	1.00	1627																								X
PBS1	1.00	1629																								X
MY0SH9	1.00	1631																								X
MY0SH9D	1.00	1633																								X
MY0SH9S	1.00	1635																								X
MY0SJ0	1.00	1637																								X
MY0SJ1	1.00	1639																								X
ZZZZZZ	1.00	1641																								
CCV2	1.00	1643																								X
CCB2	1.00	1645																								X
ZZZZZZ	1.00	1647																								
ZZZZZZ	1.00	1649																								
CRI2	1.00	1651																								X
CCV3	1.00	1653																								X
CCB3	1.00	1655																								X

FORM XIII-IN ILM05.2

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract: 68-W0-2068

Lab Code: CHEM Case No.: 31519 NRAS No.: SDG No.: MY0SH9

Instrument ID: CN Analysis Method: AS

Start date: 03/31/2003 End date: 03/31/2003

EPA Sample No.	D/F	Time	Analytes																							
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1712																								X
S10.0	1.00	1714																								X
S100.0	1.00	1716																								X
S500.0	1.00	1718																								X
S1000.0	1.00	1720																								X
ICV2	1.00	1722																								X
ICB2	1.00	1724																								X
CCV4	1.00	1726																								X
CCB4	1.00	1728																								X
CRI3	1.00	1730																								X
MIDRANGE2	1.00	1732																								X
LCSW1	1.00	1734																								X
PBW1	1.00	1736																								X
MY0SJ2	1.00	1738																								X
MY0SJ2D	1.00	1740																								X
MY0SJ2S	1.00	1742																								X
MY0SJ3	1.00	1744																								X
MY0SJ4	1.00	1746																								X
MY0SJ5	1.00	1748																								X
CCV5	1.00	1750																								X
CCB5	1.00	1752																								X
ZZZZZZ	1.00	1754																								
ZZZZZZ	1.00	1756																								
ZZZZZZ	1.00	1758																								
CRI4	1.00	1800																								X
CCV6	1.00	1802																								X
CCB6	1.00	1804																								X

3/31/03

Results File Name: RESULTS Method File Name: CYANIDE
Cal Table File Name: R1872SCN Sample Details File: R1872SCN
Data collected 16:03:pm 31-Mar-2003

Instrument ID # CN
SP
03/31/03

Method Setup Parameters

Measurement Type	Single Point
Measurement Wavelength	578.000 nm
Integration Time	0.500 s
Measurement Mode	Absorbance
Slit Width	1.000nm
Temperature	20.000øC

Standard Number	Conc ppm		Reading	
1	0.000	S0	0.000	16:05
2	0.010	S10.0	0.012	16:07
3	0.100	S100.0	0.103	16:09
4	0.500	S500.0	0.491	16:11
5	1.000	S1000.0	0.990	16:13

Sample Number	Sample Label	Conc ppm	Reading	RSD	QC Check
1	ICV1		0.1002		16:15
	Final Results	0.0999	Mean = 0.1002	0.00	
2	ICB1		0.0002		16:17
	Final Results	-0.0014	Mean = 0.0002	0.00	
3	CCV1		0.4881		16:19
	Final Results	0.4933	Mean = 0.4881	0.00	

000035

SP
03/31/00

4 CCB1

0.0003 16:21

Final Results -0.0013 Mean = 0.0003 0.00

5 CRI1

0.0106 16:23

Final Results 0.0091 Mean = 0.0106 0.00

6 MIDRANGE1

0.5108 16:25

Final Results 0.5163 Mean = 0.5108 0.00

7 LCSS1

0.1080 16:27

Final Results 0.1079 Mean = 0.1080 0.00

8 PBS1

0.0002 16:29

Final Results -0.0015 Mean = 0.0002 0.00

9 R1872-01 MY0SH9

0.0001 16:31

Final Results -0.0015 Mean = 0.0001 0.00

10 R1872-02 MY0SH9D

-0.0000 16:33

Final Results -0.0017 Mean = -0.0000 0.00

11 R1872-03 MY0SH9S

0.1011 16:35

Final Results 0.1009 Mean = 0.1011 0.00

12 R1972-04 MY0SJ0

0.0002

000036

SP 03131103

16:37

Final Results -0.0014 Mean = 0.0002 0.00

13 R1972-05 MY0SJ1

0.0005 16:39

Final Results -0.0012 Mean = 0.0005 0.00

14 X

0.0004 16:41

Final Results -0.0012 Mean = 0.0004 0.00

15 CCV2

0.5076 16:43

Final Results 0.5131 Mean = 0.5076 0.00

16 CCB2

0.0001 16:45

Final Results -0.0016 Mean = 0.0001 0.00

17 X

0.0003 16:47

Final Results -0.0013 Mean = 0.0003 0.00

18 X

0.0002 16:49

Final Results -0.0014 Mean = 0.0002 0.00

19 CRI2

0.0106 16:51

Final Results 0.0091 Mean = 0.0106 0.00

20 CCV3

0.5073 16:53

Final Results 0.5127 Mean = 0.5073 0.00

000037

SP
03/31/03

21 CCB3

		0.0018		16:55
Final Results	0.0002	Mean =	0.0018	0.00

000038

3/31/03

Results File Name: RESULTS Method File Name: CYANIDE
Cal Table File Name: R1872WCN Sample Details File: R1872WCN
Data collected 17:10:06pm 31-Mar-2003

Instrument ID # CN
SP
03131103

Method Setup Parameters

Measurement Type	Single Point
Measurement Wavelength	578.000 nm
Integration Time	0.500 s
Measurement Mode	Absorbance
Slit Width	1.000nm
Temperature	20.000øC

Standard Number	Conc ppm		Reading	
1	0.000	S0	0.000	17:12
2	0.010	S10.0	0.010	17:14
3	0.100	S100.0	0.104	17:16
4	0.500	S500.0	0.506	17:18
5	1.000	S1000.0	1.018	17:20

Sample Number	Sample Label	Conc ppm	Reading	RSD	QC Check
1	ICV/2		0.0967	17:22	
	Final Results	0.0946	Mean = 0.0967	0.00	
2	ICB/2		0.0003	17:24	
	Final Results	-0.0002	Mean = 0.0003	0.00	
3	CCV/4		0.5163	17:26	
	Final Results	0.5075	Mean = 0.5163	0.00	

Bu 4/2/03

000039

SP
03/31/03

4	CCB/14		0.0004	17:28
	Final Results	-0.0001	Mean = 0.0004	0.00
5	CRI/13		0.0104	17:30
	Final Results	0.0097	Mean = 0.0104	0.00
6	MIDRANGE/12		0.5266	17:32
	Final Results	0.5177	Mean = 0.5266	0.00
7	LCSW1		0.0969	17:34
	Final Results	0.0948	Mean = 0.0969	0.00
8	PBW1		0.0004	17:36
	Final Results	-0.0002	Mean = 0.0004	0.00
9	R1872-06 MY0SJ2		0.0005	17:38
	Final Results	-0.0000	Mean = 0.0005	0.00
10	R1872-07 MY0SJ2D		0.0005	17:40
	Final Results	-0.0000	Mean = 0.0005	0.00
11	R1872-08 MY0SJ2S		0.1033	17:42
	Final Results	0.1011	Mean = 0.1033	0.00
12	R1872-09 MY0SJ3		0.0004	

Lay 2/2/03

000040

SP 03131103

17:44

Final Results -0.0002 Mean = 0.0004 0.00

13 R1872-10 MY0SJ4

0.0003 17:46

Final Results -0.0002 Mean = 0.0003 0.00

14 R1872-11 MY0SJ5

-0.0002 17:48

Final Results -0.0007 Mean = -0.0002 0.00

15 CCV~~2~~5

0.5352 17:50

Final Results 0.5261 Mean = 0.5352 0.00

RAM 2/03

16 CCB~~2~~5

0.0002 17:52

Final Results -0.0003 Mean = 0.0002 0.00

17 X

0.0104 17:54

Final Results 0.0097 Mean = 0.0104 0.00

18 X

0.0003 17:56

Final Results -0.0002 Mean = 0.0003 0.00

19 X

0.0005 17:58

Final Results -0.0001 Mean = 0.0005 0.00

20 CRI~~2~~4

SP 03131103

0.0111 ~~17:00~~ 18:00

RAM 2/03

Final Results 0.0103 Mean = 0.0111 0.00

000041

SP
03/31/03

21 CCV~~3~~ 6

0.5262 18:02

Final Results 0.5173 Mean = 0.5262 0.00

Pm 4/2/03

22 CCB~~3~~ 6

0.0004 18:04

Final Results -0.0001 Mean = 0.0004 0.00

000042

CHEMTECH

284 Sheffield Street Mountainside, NJ 07092

CYANIDE DISTILLATION LOG

Cyanide SOP: CLP EPA Distillate Date 3/24/03

Final Volume: 50 ml PREP CODE # DS2

Analyst Signature: [illegible] Supervisor Signature: [illegible]

Standard Name	mls used	STD Ref.#	Chemical Used	Lot#
ICV	0.5ml	WC0735	NAOH	W02093
SPIKE	1ml	W02091	$MgCl_2$	W02065 ***
MIDRANGE	5ml	W02091	1:1 H_2SO_4	W02070
LCSS	1.0	WC0711	—	—

Set #	Lab Sample Number	Client Number	Matrix	WT./Vol. (g/mL)	pH	Sulfide Test	Comments
1	ICV1	—	WATER	50ml	712	-vl	
2	~~M.BLANK~~	—	~~WATER~~	~~50ml~~	~~712~~	~~-vl~~	NR Bu 3/23/03
3	PBS1	—	Soil	1.00	-	—	
4	MIDRANGE1	—	WATER	50ml	712	-vl	
5	LCSS1	—	Soil	1.00	-	-	
6	R1872-01	MYOSH9	Soil	1.00	-	-	
7	R1872-02(D)	MYOSH9D	Soil	1.00	-	-	DUPLICATE
8	R1872-03(S)	MYOSH9S	Soil	1.00	-	-	SPIKE
9	R1872-04	MYOSJ0	Soil	1.00	-	-	
10	R1872-05	MYOSJ1	Soil	1.00	-	-	

000043

Balance Check WT#1 1.00 WT#2 5.01 WT#3 20.00

3/24/03 PV INSERTED! 5-21-03 SK/ESAT

Document Control # A3040021

CHEMTECH

284 Sheffield Street Mountainside, NJ 07092

CYANIDE DISTILLATION LOG

Cyanide SOP: CLP EPA Distillate Date 3/24/03

Final Volume: 50 ml PREP CODE # DS2

Analyst Signature: [illegible] Supervisor Signature: [illegible]

Standard Name	mls used	STD Ref.#	Chemical Used	Lot#
ICV	0.5ml	WC0735	NAOH	W02093
SPIKE	1ml	W02091	$MgCl_2$	W02065
MIDRANGE	5ml	W02091	1:1 H_2SO_4	W02070
LCSS	1.0	WC0711	—	—

Set #	Lab Sample Number	Client Number	Matrix	WT./Vol. (g/mL)	pH	Sulfide Test	Comments
1	ICV1	—	WATER	50ml	712	-vl	
2	~~M. BLANK~~	~~—~~	~~WATER~~	~~50ml~~	~~712~~	~~-vl~~	NR [illegible] 4/2/03
3	PBS1	—	Soil	1.00	-	—	
4	MIDRANGE1	—	WATER	50ml	712	-vl	
5	LCSS1	—	Soil	1.00	-	-	
6	R1872-01	MYOSH9	Soil	1.00	-	-	
7	R1872-02(D)	MYOSH9D	Soil	1.00	-	-	DUPLICATE
8	R1872-03(S)	MYOSH9S	Soil	1.00	-	-	SPIKE
9	R1872-04	MYOSJ0	Soil	1.00	-	-	
10	R1872-05	MYOSJ1	Soil	1.00	-	-	

000043

Balance Check WT#1 1.00 WT#2 5.01 WT#3 20.00

3/24/03 PN

REMOVED: 5-21-03 SK/ESAT

Document Control # A3040021

CHEMTECH

284 Sheffield Street Mountainside, NJ 07092

CYANIDE DISTILLATION LOG

Cyanide SOP: CLP EPA

Distillate Date 3/24/03

Final Volume:

Analyst Signature: SP

Supervisor Signature:

Standard Name	mls used	STD Ref.#	Chemical Used	Lot#
PHYSICAL DISCRIPTION OF SAMPLE				

Set #	Lab Sample Number	Client Number	Matrix Paul 2/03	~~WT./Vol. (g/mL)~~ Before distilation Color	Texture ~~pH~~ or Clarity	~~Sulfide Test~~ After distilation Color	~~Comments~~ clarity
1	R1872-01	MY05H9	Solid	brown	medium	Colorless	~~clear~~
2	R1872-02D	MY05H9D	Solid	brown	medium	Colorless	~~clear~~
3	R1872-03S	MY05H9S	Solid	brown	medium	clearless	~~clear~~
4	R1872-04	MY05J0	Solid	brown	medium	clearless	~~clear~~
5	R1872-05	MY05J1	Solid	brown	medium	clearless	~~clear~~
6	R1872-06	MY05J2	water	brown	clowdy	Colorless	clear
7	R1872-07D	MY05J2D	water	brown	clowdy	clororless	clear
8	R1872-08S	MY05J2S	water	brown	clowdy	colorless	clear

3/31/03

Balance Check WT#1 — WT#2 — WT#3 —

Document Control # A3040021

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CHEMTECH 284 Sheffield Street Mountainside, NJ 07092

CYANIDE DISTILLATION LOG

Cyanide SOP: CLP EPA Distillate Date 3 / 24 / 03

Final Volume: —

Analyst Signature: SP Supervisor Signature: [illegible]

Standard Name	mls used	STD Ref.#	Chemical Used	Lot#
PHYSICAL DISCRIPTION OF SAMPLE				

Set #	Lab Sample Number	Client Number	Matrix	~~WT./Vol. (g/mL)~~	~~pH~~	~~Sulfide Test~~	~~Comments~~	
				Before distillation			After distillation	
				Color	Texture or clarity		Color	Clarity
9	R1872-09	MY05J3	water	brown	Cloudy		Colorless	Clear
10	R1872-10	MY05J4	water	brown	Cloudy		Colorless	Clear
11	R1872-11	MY05J5	water	brown	Cloudy		Colorless	Clear

Lab/12/03

000045

SP 03/31/03

Balance Check WT#1 _____ WT#2 _____ WT#3 _____

CHEMTECH

REAGENT/CHEMICAL
STOCK LOG BOOK

SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
J.T. BAKER	ACETONE	X41E54	12/13/02		CW	WC0704
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:	Recei. Box on 12/18/02					
JTBaker.	Acetic Acid glacial	X38803			BP	WC0705
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
JTBaker	Acetic Acid glacial	X38803			BP	WC0706
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
JTBaker	Acetic Acid glacial	X38803			BP	WC0707
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
JTBaker	Acetic Acid glacial	X38803			BP	WC0708
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
JTBaker	Acetic Acid glacial	X38803			BP	WC0709
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
JTBaker	Acetic Acid glacial	X38803			BP	WC0710
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
EPA LCSS	EPA REFERENCE MATERIAL SOLID TV=1.12 PPB	0996.	1/2/03	7/1/03	CW	WC0711

MM 2/13/03

Supervisor Sig[illegible]

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CHEMTECH

REAGENT/CHEMICAL
STOCK LOG BOOK

SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
VWR	IODINE SOLUTION 0.025 N	2210	2/24/03	1/31/04	CW	WC0733 X1 thru X4
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
Orion	PH 7.00 Buffer	920107		4/04	hsp	WC07342 32
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
EPA	ICV EPA REFERENCE MATERIAL ICV-6 (0400) CN T.V.= 99PPB	ICV-6 (0400) CN ICV693	2/24/03	8/23/03	CW	WC0735
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM: Rec'd						
Hach-Lab	Poly-Seed 02/24	130-2110 0107-48	2/24/03	11/30/03	CP	WC0736
SUPPLIER By VWR	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
	3 Pak of 50 — opened to check contents					
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM: Rec'd 02/24/03						
VWR	Manganous Sulfate	1031A	02/24/03	01/31/05	CP	WC0737
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM: 2 X 1000 mL						
VWR	0.025 N (0.0210M) Potassium Biiodate	3020	02/24/03	07/31/04	MP	WC0738
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
J.T. BAKER	ZINC ACETATD DIHYDRATE CRYSTAL	X50161.	2/27/03	—	CW	WC0739 X1 - X4

Supervisor Sign.: N

Page # 000089

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092

GENERAL CHEMISTRY
STANDARD PREPARATION LOG

NAME: Working std	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: for CN GbCOV 5PPM	W02165	03/31/03	SP	RaW

FROM:

$\frac{5 \times 100}{1000}$ = 0.5ml from Source I (W01514) (1000PPM) mixed final Volume 100ml by 0.25N NaOH (W002093)

NAME: CN GbCOV	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: working std	W02166	03/31/03	SP	RaW

FROM:

1PPM - 10ml
0.5PPM - 5ml
0.1PPM - 1ml
0.01PPM - 0.1ml

final volume 50ml by 0.25N NaOH (W002093)

NAME: ~~Working~~ Std For Hexavalent Chromium	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: 5 PPM	W02169	03/31/03	SB	RaW

FROM:

Take 10 mL of Stock I (W01652) make Final Volume 100 mL with DI water

NAME:	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC:				

FROM:

000048

SP 03/31/03

SUPERVISOR REVIEW: _____

REV 1.1

REV DATE 6/15/01

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092

GENERAL CHEMISTRY
STANDARD PREPARATION LOG

NAME: Intermediate of CN Std	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: 1st Source	W02089	03/21/03	SP	PAW

FROM:

Intermidiate 50ppm $= \frac{50 \times 500}{1000} = 25 ml/L$

NAME: Intermidiate of CN Std	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: 2nd Source	W02090	03/21/03	SP	PAW

FROM:

Intermidiate 50ppm $= \frac{50 \times 500}{1000} = 25 ml/L$

NAME: Working Std for CN	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: 1st Source	W02091	03/21/03	SP	PAW

FROM: (W015114)

Working Std 5ppm $= \frac{5 \times 500}{1000} = 2.5 ml/L$

NAME: Working Std for CN	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: 2nd Source	W02092	03/21/03	SP	PAW

FROM:

Working Std 5ppm $= \frac{5 \times 500}{1000} = 2.5 ml/L$

000049

SUPERVISOR REVIEW: _____

REV 1.1

REV DATE 6/15/01

CHEMTECH

284 Sheffield Street Mountainside, NJ 07092

CYANIDE DISTILLATION LOG

Cyanide SOP: CLP EPA

Distillate Date 3/24/03

Final Volume: 50 ml

PREP CODE#DW2

Analyst Signature: CW/PAT

Supervisor Signature: [illegible]

Standard Name	mls used	STD Ref.#	Chemical Used	Lot#
ECV	0.5ml	WC0735	NAOH	W02093
SPIKE	1ml	W02091	$MgCl_2$	W02065
MIDRANGE	5ml	W02091	1:1 H_2SO_4	W02090
LCSW	0.5ml	WC0735	—	—

Set #	Lab Sample Number	Client Number	Matrix	WT./Vol. (g/mL)	pH	Sulfide Test	Comments
1	ICV2	—	WATER	50 ml	12	-ve	
2	~~M.BLANK~~	—	~~WATER~~	~~50ml~~	~~12~~	~~-ve~~	NR fault/lab
3	MIDRANGE2	—	WATER	50ml	12	-ve	
4	PBW 1	—	WATER	50ml	12	-ve	
5	LCSW1	—	WATER	50ml	12	-ve	
6	R1872-06	MYOSJ2	WATER	50ml	12	-ve	
7	R1872-07(D)	MYOSJ2D	WATER	50ml	12	-ve	DUPLICATE
8	R1872-08(S)	MYOSJ2S	WATER	50ml	12	-ve	SPIKE
9	R1872-09	MYOSJ3	WATER	50ml	12	-ve	
10	R1872-10	MYOSJ4	WATER	50ml	12	-ve	
11	R1872-11	MYOSJ5	WATER	50ml	12	-ve	

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Balance Check WT#1 1.00 WT#2 5.01 WT#3 20.00 3/24/03 PA

Document Control # A3040021

CHEMTECH

284 Sheffield Street Mountainside, NJ 07092

CYANIDE DISTILLATION LOG

Cyanide SOP: CLP EPA

Distillate Date 3/24/03

Final Volume: -

Analyst Signature: SP

Supervisor Signature: [illegible]

Standard Name	mls used	STD Ref.#	Chemical Used	Lot#
PHYSICAL DISCRIPTION OF SAMPLE				

Set #	Lab Sample Number	Client Number	Matrix Pw 4/2/03	Before distilation ~~WT./Vol. (g/mL)~~ Color	Texture ~~pH~~ or ~~Sulfide Test~~ Clarity	After distilation Color	~~Comments~~ clarity
1	R1872-01	MY05H9	Solid	brown	medium	Colorless	~~clear~~
2	R1872-02D	MY05H9D	Solid	brown	medium	Colorless	~~clear~~
3	R1872-03S	MY05H9S	Solid	brown	medium	clearless	~~clear~~
4	R1872-04	MY05J0	Solid	brown	medium	clearless	~~clear~~
5	R1872-05	MY05J1	Solid	brown	medium	clearless	~~clear~~
6	R1872-06	MY05J2	water	brown	cloudy	colorless	clear
7	R1872-07D	MY05J2D	water	brown	cloudy	clororless	clear
8	R1872-08S	MY05J2S	water	brown	cloudy	colorless	clear

[illegible] 3/31/03

Balance Check WT#1 — WT#2 — WT#3 —

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Document Control # A3040021

CHEMTECH 284 Sheffield Street Mountainside, NJ 07092

CYANIDE DISTILLATION LOG

Cyanide SOP: CLP EPA Distillate Date 3 24 / 03

Final Volume: –

Analyst Signature: SP Supervisor Signature: [signature]

Standard Name	mls used	STD Ref.#	Chemical Used	Lot#
PHYSICAL DISCRIPTION OF SAMPLE				

Set #	Lab Sample Number	Client Number	Matrix fm 1/2/03	~~WT./Vol. (g/mL)~~ Before distilation Color	~~pH~~ Before distilation Texture or clarity	~~Sulfide Test~~	~~Comments~~ After distilation Color	After distilation Clarity
9	R1872-09	MY05T3	water	brown	Cloudy		Colorless	Clear
10	R1872-10	MY05T4	water	brown	Cloudy		Colorless	Clear
11	R1872-11	MY05T5	water	brown	Cloudy		Colorless	Clear

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SP 03/31/03

Balance Check WT#1 – WT#2 – WT#3 –

CHEMTECH

REAGENT/CHEMICAL
STOCK LOG BOOK

SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
J.T. BAKER	ACETONE	X41E54	12/13/02		CW	WC0704
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:	Recl. Box on 8/12/18/02					
JTBaker.	Acetic Acid glacial	X38803			BL	WC0705
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
JTBaker	Acetic Acid glacial	X38803			BL	WC0706
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
JTBaker	Acetic Acid glacial	X38803			BL	WC0707
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
JTBaker	Acetic Acid glacial	X38803			BL	WC0708
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
JTBaker	Acetic Acid glacial	X38803			BL	WC0709
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
JTBaker	Acetic Acid glacial	X38803			BL	WC0710
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
EPA LCSS	EPA REFERENCE MATERIAL SOLID TV=1.12 PPB	0996.	1/2/03	7/1/03	CW	WC0711

Supervisor Sign ___ Page 000085

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CHEMTECH

REAGENT/CHEMICAL
STOCK LOG BOOK

SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
VWR	IODINE SOLUTION 0.025 N	2210	2/24/03	1/31/04	CW	WC0733 X1 thru X4
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
Orion	PH 7.00 Buffer	920107		4/04	hsp	WC0734 X1 X2 X3
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
EPA	ICV EPA REFERENCE MATERIAL ICV-6 (0400) CN TV = 99PPB	ICV-6 (0400) CN ICV693	2/24/03	8/23/03	CW	WC0735
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM: Rec'd						
Hach-Lab	Poly-Seed 02/24	190-2114 0107-48	2/24/03	11/30/03	CP	WC0736
SUPPLIER By VWR	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
	3 Pak of 50 — opened to check-contents					
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM: Rec'd 02/24/03						
VWR	MANGANOUS SULFATE	1031A	02/24/03	01/31/05	CP	WC0737
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM: 2 x 1000 mL						
VWR	0.025 N (0.021M) Potassium Biiodate	3020	02/24/03	07/31/04	MP	WC0738
SUPPLIER	REAGENT/ CHEMICAL	LOT#	DATE OPENED	DATE EXP.	INITIALS	STOCK#
FROM:						
J.T. BAKER	ZINC ACETATD DIHYDRATE CRYSTAL	X50161.	2/27/03	—	CW	WC0739 X1 - X4

Supervisor Sign.: N

Page # 000089

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092

GENERAL CHEMISTRY
STANDARD PREPARATION LOG

NAME: Working Std	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: for CN Glcov 5ppm	W02165	03/31/03	SP	Rajiv

FROM:

$\frac{5 \times 100}{1000}$ = 0.5ml from Source I (W01514) (1000ppm) mixed final Volume 100ml by 0.25N NaOH (W02093)

NAME: CN Glcov	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: working std	W02166	03/31/03	SP	Rajiv

FROM:

1ppm - 10ml
0.5ppm - 5ml
0.1ppm - 1ml
0.01ppm - 0.1ml

final volume 50ml by 0.25N NaOH (W02093)

NAME: ~~Working Std for Hexavalent Chromium~~	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: 5 PPM	W02167	03/31/03	SB	Rajiv

FROM:

Take 10 mL of Stock I (W01652) make Final Volume 100 mL with DI water

NAME:	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC:				

FROM:

000055

SP 03/31/03

SUPERVISOR REVIEW: ✓

REV 1.1

REV DATE 6/15/01

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092

GENERAL CHEMISTRY
STANDARD PREPARATION LOG

NAME: Intermediate of CN std	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: 1st source	W02089	03/21/03	SP	[illegible]

FROM:

Intermidiate 50ppm $= \frac{50 \times 500}{1000} = 25 ml/L$

NAME: Intermidiate of CN std	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: 2nd source	W02090	03/21/03	SP	[illegible]

FROM:

Intermidiate 50ppm $= \frac{50 \times 500}{1000} = 25 ml/L$

NAME: Working std for CN	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: 1st source	W02091	03/21/03	SP	[illegible]

FROM: (W015114)

Working std 5ppm $= \frac{5 \times 500}{1000} = 2.5 ml/L$

NAME: Working std for CN	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: 2nd source	W02092	03/21/03	SP	[illegible]

FROM:

Working std 5ppm $= \frac{5 \times 500}{1000} = 2.5 ml/L$

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SUPERVISOR REVIEW: [illegible]

REV 1.1

REV DATE 6/15/01

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092

GENERAL CHEMISTRY
STANDARD PREPARATION LOG

NAME: 6N NaOH SOLN	NO.	DATE	ANALYST INITIALS	VERIFIED INITIALS
FINAL CONC: For Sample Manage	W02063	03/18/03	[illegible]	S

FROM:

480 g. NaOH (Crystal) (WC0698)
↓ Dissolved in D.W.
2000 ml.
Prep D. 03/18/03
Exp. D. 09/17/03.

NAME: Working Std for Hexavalent chromium	NO.	DATE	ANALYST INITIALS	VERIFIED INITIALS
FINAL CONC: 5 PPM	W02064	03/18/03	SB	S

FROM:

Take 10 mL Stock I (WC1652) make Final Volume 100 mL with DI water

NAME: MgCl2	NO.	DATE	ANALYST INITIALS	VERIFIED INITIALS
FINAL CONC: for Cyanide	W02065	03/18/03	PM	S

FROM:

TAKE 510.0 gm of MgCl2 (WC0723) AND MAKE FINAL VOLUME 1L WITH DI WATER

NAME: Tkn Colour	NO.	DATE	ANALYST INITIALS	VERIFIED INITIALS
FINAL CONC: Reagent	W02066	3/18/03	Sejal	S

FROM:

Take 150 gm Sodium Salicylate & 1 gm Sodium Nitroferricyanide make final vol. 1L with DI

SUPERVISOR REVIEW: [illegible]
REV 1.1
REV DATE 6/15/01

00056A

PAGE: 18

Pa 5/16/03

INSERTED: 5-21-03 SK/ESAT

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092

GENERAL CHEMISTRY STANDARD PREPARATION LOG

NAME: Tkn Ammonia	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: Stock Std. 1000ppm 1st source	W01512 12/16/02	12/16/02	Sejal	Sweta

FROM:

Take 3.819 gm of NH_4Cl (Predried) dissolve & dilute to 1L with DI water (Anachemia - Lot 890107 - WC0634)

NAME: Tkn Ammonia	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: Stock Std. 1000 ppm 2nd Source	W01513 12/16/02	12/16/02	Sejal	Sweta

FROM:

Take 3.819 gm of NH_4Cl (Predried) dissolve & dilute to 1L with DI water (Anachemia Lot 590510 - WC0652)

NAME: Cyanide Stock	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: 1st Source 1000ppm	W01514 12/16/02	12/16/02	Sejal	Sweta

FROM:

Take 2.51 gm KCN + 2.0 gm KOH Dissolve & dilute to 1L with DI water

KCN - Mallinckrodt - WC0260 - Lot 6881M47585

KOH - Mallinckrodt - WC0266 - Lot 6976KJNT

NAME: Cyanide Stock	NO.	DATE	ANALYST INTITIALS	VERIFIED INITIALS
FINAL CONC: 2nd Source 1000ppm	W01515 12/16/02	12/16/02	Sejal	Sweta

FROM:

Take 2.51 gm KCN + 2.0 gm KOH Dissolve & dilute to 1L with DI water

KCN - EM Science - Lot 6316 - WC0386

KOH - Spectrum Lot MV0202 - WC0649

SUPERVISOR REVIEW: 5/16/03

INSERTED: 5-21-03 SK/ESAT

000568

AgNO3 Std. WC0676

LB22287

CHEMTECH

Percent Solids Worksheet

Analyst: MPl NP

Date: 03/24/03

Batch Number %1872

Sample	Client ID	Storage loc	Dish #	Dish weight (g)	Dish wt + wet sample (g)	Dish + dry sample wt (g)	% Solids
R1872-01	MY0SH9	C52	71	1.28	8.91	8.14	89.9
R1872-02	MY0SH9D D	C52	72	1.28	8.85	8.11	90.2
R1872-03	MY0SH9S	C52	←	HR		→	NR
R1872-04	MY0SJ0	C52	73	1.28	9.74	9.47	96.8
R1872-05	MY0SJ1	C52	74	1.27	9.59	9.30	96.5
		Blank dish	B	1.28	1.28	1.28	00

$$\%Solids = \frac{(Dish+dry\ sample\ wt) - (Dish\ weight)}{(Dish + wet\ sampleweight) - (Dish\ weight)} * 100$$

Time In: 03/24/03 10:30 A.M

Time Out: 03/25/03 8:00 am

Oven Temp: 104° c

3/25/03

000057

(3)

FedEx Express USA Airbill

FedEx Tracking Number 8358 5942 6479

Form I.D. No. 0215 — Recipient's Copy

RECIPIENT: PEEL HERE

1 From This portion can be removed for Recipient's records.

Date 3/18/03 FedEx Tracking Number 835859426479

Sender's Name Amanda Cohen Phone 818 382-1600

Company WESTON SOLUTIONS INC

Address 14724 VENTURA BLVD STE 1000 Dept./Floor/Suite/Room

City SHERMAN OAKS State CA ZIP 91403

2 Your Internal Billing Reference 20074.025.069.0004

3 To

Recipient's Name Sunny Patel Phone 908 789-8900

Company Chemtech Consulting

Address 284 Sheffield Street

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

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8358 5942 6479

Sunny Patel 03/20/03 09:15

0224449423

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

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

6 Special Handling — Include FedEx address in Section 3.

- [ ] SATURDAY Delivery — Available only for FedEx Priority Overnight and FedEx 2Day to select ZIP codes
- [ ] HOLD Weekday at FedEx Location — Not available for 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
- [ ] Yes — Shipper's Declaration not required
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous Goods (including Dry Ice) cannot be shipped in FedEx packaging.

7 Payment *Bill to:* — Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No. [ ]

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Total Packages	Total Weight	Total Charges
1	5LB	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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CHEMTECH

LOGIN REPORT

Order ID:	R1872 USEP01	**Order Date:**	3/21/03	**Project Mgr:**	sunny
Client Name:	USEPA CLP SMO	**Project Name:**	Case#31519	**Report Type:**	USEPA CLP
Client Contact:		**Rec DateTime**	3/20/03 9:15:00 AM	**EDD:**	NONE
Invoice Name:	USEPA CLP SMO	**Purchase Order:**		**Hard Copy Date:**	
Invoice Contact:		**Login Tech:**	sunny	**Date Signoff:**	3/21/03 2:11:49 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	QTY	TEST	TEST GROUP	METHOD	COMMENT		FAX DATE	Due Dates
R1872-01	MY0SH9	Solid	3/18/03	14:15	1							
						Cyanide		ILM05.2	SDG# MY0SH9	15 Bus.	4/1/03	4/1/03
						Percent Solids		Chemtech - SOP		15 Bus.	3/20/03	3/20/03
R1872-02	MY0SH9D	Solid	3/18/03	14:15	1							
						Cyanide		ILM05.2	SDG# MY0SH9	15 Bus.	4/1/03	4/1/03
						Percent Solids		Chemtech - SOP		15 Bus.	3/20/03	3/20/03
R1872-03	MY0SH9S	Solid	3/18/03	14:15	1							
						Cyanide		ILM05.2	SDG# MY0SH9	15 Bus.	4/1/03	4/1/03
						Percent Solids		Chemtech - SOP		15 Bus.	3/20/03	3/20/03
R1872-04	MY0SJ0	Solid	3/18/03	14:30	1							
						Cyanide		ILM05.2	SDG# MY0SH9	15 Bus.	4/1/03	4/1/03
						Percent Solids		Chemtech - SOP		15 Bus.	3/20/03	3/20/03
R1872-05	MY0SJ1	Solid	3/18/03	14:35	1							
						Cyanide		ILM05.2	SDG# MY0SH9	15 Bus.	4/1/03	4/1/03
						Percent Solids		Chemtech - SOP		15 Bus.	3/20/03	3/20/03
R1872-06	MY0SJ2	Water	3/18/03	14:30	1							
						Cyanide		ILM05.2	SDG# MY0SH9	15 Bus.	4/1/03	4/1/03
R1872-07	MY0SJ2D	Water	3/18/03	14:30	1							
						Cyanide		ILM05.2	SDG# MY0SH9	15 Bus.	4/1/03	4/1/03

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LOGIN REPORT

Order ID:	R1872 USEP01	**Order Date:**	3/21/03	**Project Mgr:**	sunny
Client Name:	USEPA CLP SMO	**Project Name:**	Case#31519	**Report Type:**	USEPA CLP
Client Contact:		**Rec DateTime**	3/20/03 9:15:00 AM	**EDD:**	NONE
Invoice Name:	USEPA CLP SMO	**Purchase Order:**		**Hard Copy Date:**	
Invoice Contact:		**Login Tech:**	sunny	**Date Signoff:**	3/21/03 2:11:49 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	QTY	TEST	TEST GROUP	METHOD	COMMENT		FAX DATE	Due Dates
R1872-08	MY0SJ2S	Water	3/18/03	14:30	1	Cyanide		ILM05.2	SDG# MY0SH9	15 Bus.	4/1/03	4/1/03
R1872-09	MY0SJ3	Water	3/18/03	14:40	1	Cyanide		ILM05.2	SDG# MY0SH9	15 Bus.	4/1/03	4/1/03
R1872-10	MY0SJ4	Water	3/18/03	11:52	1	Cyanide		ILM05.2	SDG# MY0SH9	15 Bus.	4/1/03	4/1/03
R1872-11	MY0SJ5	Water	3/18/03	15:30	1	Cyanide		ILM05.2	SDG# MY0SH9	15 Bus.	4/1/03	4/1/03

SAMPLE CONDITION RECORD

Are samples submitted with a chain of custody?	Yes
Are the number of samples the same as stated on the chain of custody?	Yes
Are bottle caps tight and securely in place?	Yes
Were all containers intact when received?	Yes
Were samples submitted in an ice chest?	Yes
Were samples received cold?	Yes
Were samples within the holding time for the requested test(s)?	Yes
Is the volume of sample submitted sufficient for the requested test(s)?	Yes
Are all samples for volatile organic analyses free of headspace?	N/A

ORDER COMMENT

Case#31519 SDG# MY0SH9

000060

Contract Laboratory Program

Sample Delivery Group (SDG)
Cover Sheet

SDG Number MYØSH9

• ICP-AES Analysis • ICP-MS Analysis

Laboratory Name CHEMTECH Laboratory Code CHEM

Contract No. 68WØ2Ø68 Case No. 31519

Analysis Price $84.00 SDG Turnaround 21 Days

USEPA Sample Numbers in SDG (Listed in Numerical Order)

1) MYØSH9	7) MYØSJ2D	13)	19)
2) MYØSH9D	8) MYØSJ2S	14)	20)
3) MYØSH9S	9) MYØSJ3	15)	21)
4) MYØSJØ	10) MYØSJ4	16)	22)
5) MYØSJ1	11) MYØSJ5	17)	23)
6) MYØSJ2	12)	18)	24)

First Sample in SDG: MYØSH9

Last Sample in SDG: MYØSJ5

First Sample Receipt Date: 3/20/03

Last Sample Receipt Date: 3/20/03

Note: *There are a maximum of 20* ***field*** *samples (excluding PE samples) in an SDG. Attach the TR/COC Records to this form in alphanumeric order (the order listed above on this form).*

Signature [illegible] Date 3/20/03

CHEMTECH

INTERNAL CHAIN OF CUSTODY ORDER NO. R1872

OrderID	SampleNumber	AcceptedDate	AcceptedBy	StorageLocation
R1872	R1872-01	3/21/03 2:11:49 PM	sunny	C52
R1872	R1872-01	3/24/03 12:55:46 PM	MUKESH	Wet Chem Lab
R1872	R1872-01	3/24/03 3:36:13 PM	MUKESH	REF#1
R1872	R1872-01	3/25/03 10:34:55 AM	PAT	Wet Chem Lab
R1872	R1872-01	3/25/03 3:50:03 PM	PAT	REF#1
R1872	R1872-02	3/21/03 2:11:49 PM	sunny	C52
R1872	R1872-02	3/24/03 12:55:46 PM	MUKESH	Wet Chem Lab
R1872	R1872-02	3/24/03 3:36:13 PM	MUKESH	REF#1
R1872	R1872-02	3/25/03 10:34:55 AM	PAT	Wet Chem Lab
R1872	R1872-02	3/25/03 3:50:03 PM	PAT	REF#1
R1872	R1872-03	3/21/03 2:11:49 PM	sunny	C52
R1872	R1872-03	3/24/03 12:55:46 PM	MUKESH	Wet Chem Lab
R1872	R1872-03	3/24/03 3:36:13 PM	MUKESH	REF#1
R1872	R1872-03	3/25/03 10:34:55 AM	PAT	Wet Chem Lab
R1872	R1872-03	3/25/03 3:50:03 PM	PAT	REF#1
R1872	R1872-04	3/21/03 2:11:49 PM	sunny	C52
R1872	R1872-04	3/24/03 12:55:46 PM	MUKESH	Wet Chem Lab

000062

INTERNAL CHAIN OF CUSTODY ORDER NO. R1872

OrderID	*SampleNumber*	*AcceptedDate*	*AcceptedBy*	*StorageLocation*
R1872	R1872-04	3/24/03 3:36:13 PM	MUKESH	REF#1
R1872	R1872-04	3/25/03 10:34:55 AM	PAT	Wet Chem Lab
R1872	R1872-04	3/25/03 3:50:03 PM	PAT	REF#1
R1872	R1872-05	3/21/03 2:11:49 PM	sunny	C52
R1872	R1872-05	3/24/03 12:55:46 PM	MUKESH	Wet Chem Lab
R1872	R1872-05	3/24/03 3:36:13 PM	MUKESH	REF#1
R1872	R1872-05	3/25/03 10:34:55 AM	PAT	Wet Chem Lab
R1872	R1872-05	3/25/03 3:50:03 PM	PAT	REF#1
R1872	R1872-06	3/21/03 2:11:49 PM	sunny	C52
R1872	R1872-06	3/25/03 10:34:55 AM	PAT	Wet Chem Lab
R1872	R1872-06	3/25/03 3:50:03 PM	PAT	REF#1
R1872	R1872-07	3/21/03 2:11:49 PM	sunny	C52
R1872	R1872-07	3/25/03 10:34:55 AM	PAT	Wet Chem Lab
R1872	R1872-07	3/25/03 3:50:03 PM	PAT	REF#1
R1872	R1872-08	3/21/03 2:11:49 PM	sunny	C52
R1872	R1872-08	3/25/03 10:34:55 AM	PAT	Wet Chem Lab
R1872	R1872-08	3/25/03 3:50:03 PM	PAT	REF#1
R1872	R1872-09	3/21/03 2:11:49 PM	sunny	C52
R1872	R1872-09	3/25/03 10:34:55 AM	PAT	Wet Chem Lab

000063

INTERNAL CHAIN OF CUSTODY ORDER NO. R1872

OrderID	*SampleNumber*	*AcceptedDate*	*AcceptedBy*	*StorageLocation*
R1872	R1872-09	3/25/03 3:50:03 PM	PAT	REF#1
R1872	R1872-10	3/21/03 2:11:49 PM	sunny	C52
R1872	R1872-10	3/25/03 10:34:55 AM	PAT	Wet Chem Lab
R1872	R1872-10	3/25/03 3:50:03 PM	PAT	REF#1
R1872	R1872-11	3/21/03 2:11:49 PM	sunny	C52
R1872	R1872-11	3/25/03 10:34:55 AM	PAT	Wet Chem Lab
R1872	R1872-11	3/25/03 3:50:03 PM	PAT	REF#1

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QA Control Code: A2040128

CHEMTECH

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900

LABORATORY CHRONICLE
SAMPLE MANAGEMENT

CLIENT NAME: USEPA CLP SMO LAB PROJECT #: R1872

CLIENT PROJECT: CASE# 31519 SAMPLE TEMP. ON RECEIPT 3 °C

SAMPLE DATE (s): 3/18,19/03 SAMPLE RECEIVED DATE: 3/20/03

SAMPLE MATRIX: H_2O, SOIL, WIPE, OTHER CHEMTECH COOLER ID: N/A

CONDITION OF SAMPLES RECEIVED BY LAB	NA	YES	NO	COMMENT
COOLER SEAL INTACT	NA	YES	NO	
SAMPLES RECEIVED COOL (2-6 °C)	NA	YES	NO	
SAMPLE RECEIVED INTACT	NA	YES	NO	
SAMPLE LABELS MATCH CHAIN OF CUSTODY	NA	YES	NO	
VOA'S PRESERVED AS PER LABEL OR CUSTODY	NA	YES	NO	
VOA'S W/OUT BUBBLES, SEPTA TPE SIDE DOWN	NA	YES	NO	
SAMPLES DELIVERED VIA CHEMTECH PICK UP	NA	YES	NO	
SAMPLES DELIVERED VIA CLIENT DROP OFF	NA	YES	NO	
AIRBILL # PRESENT, IF BY COMMON CARRIER	NA	YES	NO	FedEx #835859426479
TRAFFIC REPORTS PRESENT, IF APPLICABLE	NA	YES	NO	
SUBCONTRACT ANALYSIS REQUIRED	NA	YES	NO	

PRESERVATION CHECKS PERFORMED FOR AQUEOUS SAMPLES REQUIRING pH ADTLUSTMENT

NA=IF NOT APPLICABLE

SAMPLE IDENTIFICATION	FRACTION	pH MEASURED	OK	COMMENT
MYØSJ2	CN	>12	✓	NaOH
MYØSJ2	CN	>12	✓	NaOH
MYØSJ3	CN	>12	✓	NaOH
MYØSJ4	CN	>12	✓	NaOH
MYØSJ5	CN	>12	✓	NaOH

PERSON COMPLETING THIS FORM: [signature] DATE: 3/20/03

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