97 JUN 13 AM 11:57

Chevron

June 11, 1997

Chevron Products Company
6001 Bollinger Canyon Road
Building L
San Ramon, CA 94583
P.O. Box 6004
San Ramon, CA 94583-0904

Marketing – Sales West
Phone 510 842 9500

Mr. Scott Seery
Alameda County Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

Dear Mr. Seery:

Enclosed is the Well Abandonment Report that was prepared by our consultant Gettler-Ryan Inc. for the above noted site. **Monitoring well C-5 was abandoned** in accordance with Zone 7 Water Agency guidelines and as approved for closure in your letter of March 13, 1997.

Well C-5 was abandoned by drilling out to remove the casing, sandpack and the annular seal material. Upon completion of the drilling, neat cement was placed in the boring from the bottom to the ground surface.

Drill cuttings were stockpiled onsite until samples received and than the soil was transported to BFI Landfill in Livermore for disposal.

If you have any questions, call me at (510) 842-9136.

Sincerely.
CHEVRON PRODUCTS COMPANY

Philip R. Briggs
Site Assessment and Remediation Project Manager

Enclosure

GETTLER-RYAN INC.

May 29, 1997

Mr. Phil Briggs
Chevron Products Company
P. O. Box 6004
San Ramon, California 94583

Subject: **Well Abandonment at Former Chevron Service Station #9-2960, 2416 Grove Way, Castro Valley, California.**

Mr. Briggs:

At the request of Chevron Products Company, Gettler-Ryan Inc. (GR) abandoned one offsite 2-inch diameter groundwater monitoring well (C-5) at the above referenced site on April 30, 1997. The activities described in this report were performed in accordance with the California Department of Water Resources' *California Well Standards* (Bulletins 74-81 and 74-90), and Alameda County Health Care Services Agency (ACHCSA) and Zone 7 Water Agency (Zone 7) guidelines. The location of the abandoned well is shown on the Site Plan (Figure 1).

Field work was performed in accordance with the GR Site Safety Plan dated April 25, 1997. The well was abandoned under Zone 7 permit #97220, dated April 15, 1997 (attached). Well abandonment activities were performed by Bay Area Exploration, Inc. (C57-522125). Prior to abandonment, total depth and depth to water in the well was measured and recorded. The well was 30.0 feet deep. Depth to water in the well was 15.5 feet. The well was drilled out with 8-inch diameter hollow-stem augers to approximately 30.0 feet below ground surface to remove the casing, sandpack and annular seal material. Upon completion of drilling, a tremie pipe was used to place neat cement in the boring from the total depth to the ground surface.

Drill cuttings generated during well abandonment activities were stockpiled onsite, placed on and covered with plastic sheeting. The stockpiled soil was sampled for disposal characterization after completion of well abandonment on April 30, 1997. Four soil samples were collected from arbitrary locations on the stockpile (GR sampling procedures attached) and delivered under chain-of-custody to Sequoia Analytical (ELAP #1210) for compositing and analysis. The composite stockpile sample was analyzed for total petroleum hydrocarbons as gasoline (TPHg), and benzene, toluene, ethylbenzene and xylenes (BTEX) by Environmental Protection Agency (EPA) Method 8020. Copies of the laboratory analytical report and chain-of-custody record are attached. On May 8, 1997, the soil stockpile was removed from the site and transported to BFI Landfill in Livermore by Integrated Wastestream Management Inc.

6358.01

If you have questions, please call us at (510) 551-7555.

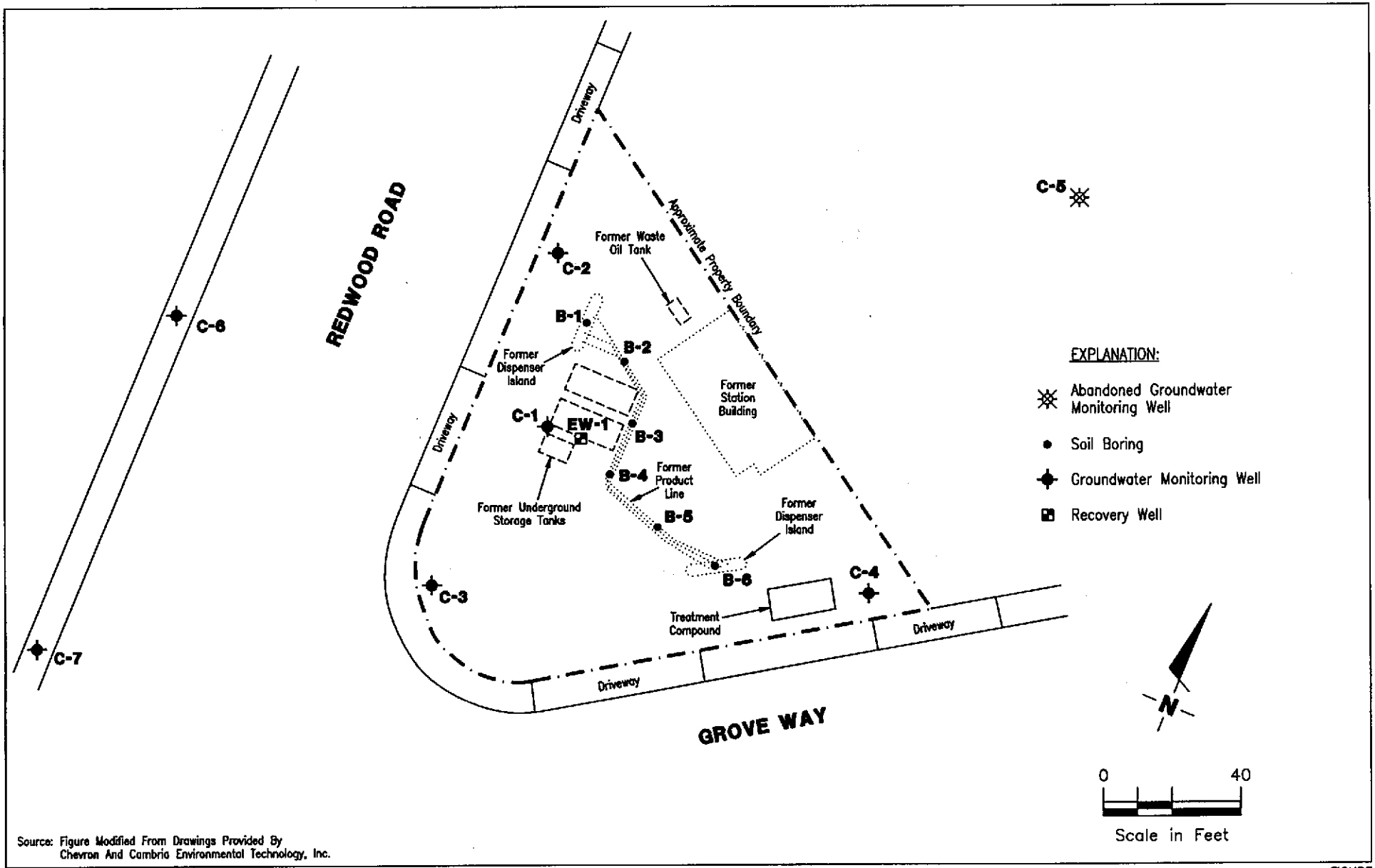
Sincerely
Gettler-Ryan Inc.

Barbara Sieminski
Project Geologist

Stephen J. Carter
Senior Geologist
R.G. 5577

REGISTERED GEOLOGIST
STEPHEN J. CARTER
No. 5577
STATE OF CALIFORNIA

Attachments: Figure 1. Site Plan
Well Abandonment Permit
Field Methods and Procedures
Laboratory Analytical Report and Chain-of-Custody Record



Source: Figure Modified From Drawings Provided By Chevron And Cambria Environmental Technology, Inc.

Gettler - Ryan Inc.
6747 Sierra Ct., Suite J (510) 551-7555
Dublin, CA 94568

SITE PLAN
Former Chevron Service Station No. 9-2960
2416 Grove Way
Castro Valley, California

FIGURE
2

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
6365		4/97	

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 VOICE (510) 484-2600
FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT Former Chevron SS #9-2960
2416 Grove Way, Castro Valley, CA

CLIENT
Name Chevron Products Company
Address P.O. Box 6004 Voice (510) 842-9136
City San Ramon Zip CA 94583

APPLICANT
Name Gettler-Ryan Inc. Fax (510) 551-7888
Address 6747 Sierra Ct, Ste J Voice (510) 551-7555
City Dublin Zip CA 94568

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	___	General	___
Water Supply	___	Contamination	___
Monitoring	___	Well Destruction (1 well)	V

PROPOSED WATER SUPPLY WELL USE
Domestic ___ Industrial ___ Other ___
Municipal ___ Irrigation ___

DRILLING METHOD:
Mud Rotary ___ Air Rotary ___ Auger ___
Cable ___ Other ___

DRILLER'S LICENSE NO. C57 522125

WELL PROJECTS

Drill Hole Diameter	___	in.	Maximum Depth	___	ft.
Casing Diameter	___	in.			
Surface Seal Depth	___	ft.	Number	___	

GEOTECHNICAL PROJECTS

Number of Borings	___		Maximum Depth	___	ft.
Hole Diameter	___	in.			

ESTIMATED STARTING DATE ___
ESTIMATED COMPLETION DATE ___

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S [illegible]

FOR OFFICE USE

PERMIT NUMBER 97220
LOCATION NUMBER 3S/2W 10L80

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal *and industrial* wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

(E.) WELL DESTRUCTION. See attached.
Well C-5 will be drilled out to the total depth of the initial boring (30 feet below ground surface). The well boring will be then backfilled to ground surface with neat cement placed with a tremie p

Approved Wyman Hong Date 15 Apr 97
Wyman Hong

15 April 1997

ZONE 7
WATER RESOURCES ENGINEERING
DRILLING ORDINANCE

CHEVRON PRODUCTS COMPANY
2416 GROVE WAY
CASTRO VALLEY
WELLS 3S/2W 10L80
PERMIT 97220

Destruction Requirements:

1. Drill out the well so that the casing, seal, and gravel pack are removed to the bottom of the well.

2. Sound the well as deeply as practicable and record for your report.

3. Using the tremie pipe, fill the hole to 2 feet below the lower of finished grade or original ground with neat cement.

4. After the seal has set, backfill the remaining hole with compacted material.

These destruction requirements as proposed by Barbara Sieminski of Gettler-Ryan meet or exceed Zone 7 minimum requirements.

GPOCHEV97A

GR FIELD METHODS AND PROCEDURES

Site Safety Plan

Field work performed by Gettler-Ryan Inc. (GR) is conducted in accordance with GR's Health and Safety Plan and the Site Safety Plan. GR personnel and subcontractors who perform work at the site are briefed on these plans contents prior to initiating site work. The GR geologist or engineer at the site when the work is performed acts as the Site Safety Officer. GR utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

Stockpile Sampling

Stockpile samples consist of four individual sample liners collected from each 100 cubic yards (yd^3) of stockpiled soil material. Four arbitrary points on the stockpiled material are chosen, and discrete soil sample is collected at each of these points. Each discrete stockpile sample is collected by removing the upper 3 to 6 inches of soil, and then driving the stainless steel or brass tube into the stockpiled material with a wooden mallet or hand driven soil sampling device. The sample tubes are then covered on both ends with teflon sheeting or aluminum foil, capped, labeled, placed in the cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Stockpiled soils are covered with plastic sheeting after completion of sampling.

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Gettler Ryan/Geostrategies	Client Proj. ID: Chevron 9-2960, Castro Valley	Sampled: 04/30/97
6747 Sierra Court Suite G	Sample Descript: SP-(A-D) - Composite	Received: 05/02/97
Dublin, CA 94568	Matrix: SOLID	Extracted: 05/02/97
	Analysis Method: 8015Mod/8020	Analyzed: 05/03/97
Attention: Barbara Sieminski	Lab Number: 9705046-01	Reported: 05/06/97

QC Batch Number: GC050297BTEXEXA
Instrument ID: GCHP07

Total Purgeable Petroleum Hydrocarbons (TPPH) with BTEX

Analyte	Detection Limit mg/Kg	Sample Results mg/Kg
TPPH as Gas	1.0	N.D.
Benzene	0.0050	N.D.
Toluene	0.0050	N.D.
Ethyl Benzene	0.0050	N.D.
Xylenes (Total)	0.0050	N.D.
Chromatogram Pattern:		

Surrogates	Control Limits %		% Recovery
Trifluorotoluene	70	130	78
4-Bromofluorobenzene	60	140	81

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL - ELAP #1210

Mike Gregory
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Gettler Ryan/Geostrategies
6747 Sierra Court Suite G
Dublin, CA 94568
Attention: Barbara Sieminski

Client Proj. ID: Chevron 9-2960, Castro Valley
Lab Proj. ID: 9705046

Received: 05/02/97
Reported: 05/06/97

LABORATORY NARRATIVE

In order to properly interpret this report, it must be reproduced in its entirety. This report contains a total of 4 pages including the laboratory narrative, sample results, quality control, and related documents as required (cover page, COC, raw data, etc.).

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (415) 364-9600, FAX (415) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (510) 988-9600, FAX (510) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100

Gettler Ryan/Geostrategies
6747 Sierra Court, Ste J
Dublin, CA 94568
Attention: Barbara Sieminski

Client Project ID: Chevron 9-2960, Castro Valley
Matrix: Solid
Work Order #: 9705046 01
Reported: May 8, 1997

QUALITY CONTROL DATA REPORT

Analyte:	Benzene	Toluene	Ethyl Benzene	Xylenes	Gas
QC Batch#:	GC050297BTEXEXA	GC050297BTEXEXA	GC050297BTEXEXA	GC050297BTEXEXA	GC050297BTEXEXA
Analy. Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015M
Prep. Method:	EPA 5030	EPA 5030	EPA 5030	EPA 5030	EPA 5030
Analyst:	J. Heider	J. Heider	J. Heider	J. Heider	J. Heider
MS/MSD #:	9704G0301	9704G0301	9704G0301	9704G0301	9704G0301
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Prepared Date:	5/2/97	5/2/97	5/2/97	5/2/97	5/2/97
Analyzed Date:	5/2/97	5/2/97	5/2/97	5/2/97	5/2/97
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg	1.2 mg/Kg
Result:	0.16	0.16	0.17	0.50	1.1
MS % Recovery:	80	80	85	83	92
Dup. Result:	0.16	0.16	0.16	0.48	1.0
MSD % Recov.:	80	80	80	80	83
RPD:	0.0	0.0	6.1	4.1	9.5
RPD Limit:	0-25	0-25	0-25	0-25	0-25
LCS #:	BLK050397BSB	BLK050397BSB	BLK050397BSB	BLK050397BSB	BLK050397BSB
Prepared Date:	5/3/97	5/3/97	5/3/97	5/3/97	5/3/97
Analyzed Date:	5/3/97	5/3/97	5/3/97	5/3/97	5/3/97
Instrument I.D.#:	GCHP7	GCHP7	GCHP7	GCHP7	GCHP7
Conc. Spiked:	0.20 mg/Kg	0.20 mg/Kg	0.20 mg/Kg	0.60 mg/Kg	1.2 mg/Kg
LCS Result:	0.18	0.18	0.18	0.55	1.2
LCS % Recov.:	90	90	90	92	100
MS/MSD Control Limits	60-140	60-140	60-140	60-140	60-140
LCS Control Limits	70-130	70-130	70-130	70-130	70-130

SEQUOIA ANALYTICAL

Mike Gregory
Project Manager

Please Note:
The LCS is a control sample of known, interferent-free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

** MS=Matrix Spike, MSD=MS Duplicate, RPD=Relative % Difference

Fax copy of Lab Report and COC to Chevron Contact to No — Chain-of-Custody

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-2960
Facility Address: 2416 Grove Way, Castro Valley
Consultant Project Number: 6365.02
Consultant Name: Gettler-Ryan
Address: 6747 Sierra Ct, Ste J, Dublin 94568
Project Contact (Name): Barbara Sieminski
(Phone): 510 551-7555 (Fax Number): 510 551-7888

Chevron Contact (Name): Phil Briggs
(Phone): (510) 842-9136
Laboratory Name: Sequoia
Laboratory Release Number: 903508 ZZ02800
Samples Collected by (Name): Barbara Sieminski
Collection Date: 04/30/97
Signature: B Sieminski

Analyses To Be Performed: 9705046

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	TPH Gas + BTEX (8015) (8020)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICP or AA)					Remarks
SP-A	1	1	S	G	11:50			X												
SP-B	1	1			11:52			X												
SP-C	1	1			11:54			X												Fax results to @ 1WH 1114
SP-D	1	1			11:56			X												

DO NOT BILL TB-LB ANALY

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Barbara Sieminski	G-R	05/01/97 9:23		Segcom	5/2/97 9:23
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
		5/2/97			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
			M. Sr		5-2-97/1147

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

COC-3.DWG/03 01/HCH