



GETTLER-RYAN Inc.

ENVIRONMENTAL
PROTECTION
00 NOV 27 AM 10:05

TRANSMITTAL

TO: Mr. David B. De Witt
Tosco Marketing Company
2000 Crow Canyon Place, Suite 400
San Ramon, California

DATE: November 20, 2000
PROJ. #: 140101.03
SUBJECT: Status Report
Tosco 76 Station No. 6419
6401 Dublin Boulevard
Dublin, California

FROM:
Douglas J. Lee
Project Manager
Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, California 94568

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
1	November 20, 2000	Remedial Status Report

THESE ARE TRANSMITTED as checked below:

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- As requested Approved as noted Submit __ copies for distribution
- For approval Return for corrections Return __ corrected prints
- For Your Files

COMMENTS:

Enclosed is a copy of the status Report. If you have any questions, please call me at (925) 551-7555.

cc : Eva Chu - Alameda County Health Care Services



November 20, 2000

Mr. David B. De Witt
Tosco Marketing Company
2000 Crow Canyon Place, Suite 400
San Ramon, California 94583

**Subject: Remedial Status Report for Tosco (76) Service Station No. 6419,
6401 Dublin Boulevard, Dublin, California.**

Mr. De Witt:

At the request of Tosco Marketing Company (Tosco), Gettler-Ryan Inc. (GR) has prepared this report to document groundwater purging and disposal conducted at the subject site. This work was performed to reduce methyl tertiary butyl ether (MTBE) concentrations in groundwater in the vicinity of the underground storage tank (UST) pit and groundwater monitoring well MW-1. In an effort to reduce these MTBE levels, Tosco arranged the installation of a four-inch diameter well in the UST pit backfill to access the groundwater beneath the site. Up to 5,000 gallons of groundwater have been purged from the UST pit backfill and disposed of weekly at the Tosco Refinery in Rodeo, California.

Background

The site is currently an operating 76 service station. Seven groundwater monitoring wells are present at the site and are monitored sampled semi annually. The site location is shown on Figure 1. The monitoring wells and other site features are shown on Figure 2. Groundwater flow direction has been consistently to the southwest with gradients ranging between 0.001 to 0.01 ft./ft. since February 1998. Of the existing monitoring wells, MW-1, located downgradient of the UST pit, has shown persistent elevated concentrations of MTBE. In November 1999, a four-inch diameter, slotted poly-vinyl chloride (PVC) Tank Pit Well (TPW-1 on Figure 2) was installed in the gasoline UST pit backfill to allow purging of MTBE-impacted groundwater. Purging of TPW-1 was initiated in December 1999.

Groundwater Removal and Disposal

Groundwater was removed from the UST pit by Onyx Industrial Services (Onyx) of Benicia, California and transported to the Tosco Refinery in Rodeo, California for disposal. The groundwater was purged from TPW-1 directly into Onyx vacuum trucks on an approximate weekly basis. From December 23, 1999 to August 21, 2000, approximately 129,800 gallons of groundwater were removed from the TPW-1. Groundwater removal volumes and purging dates are summarized in Table 1.

Groundwater Sampling

Groundwater from TPW-1 is periodically sampled and the samples submitted under Chain of Custody for analysis at Sequoia Analytical (ELAP No. 1271). Groundwater samples are analyzed for Total Petroleum Hydrocarbons as Gasoline (TPHg) by EPA Method 8015, benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8020, and methyl tert-butyl ether (MtBE) by EPA Method

8020. The results have been used to document hydrocarbon concentration trends and comply with Tosco Refinery requirements. Sample dates and analytical results are summarized in Table 1.

Groundwater Analytical Data and MtBE Mass Removal

Six grab groundwater samples were collected from TPW-1 between November 17, 1999 and August 21, 2000. A total of 26 purging events were conducted from December 23, 2000 to August 21, 2000.

For each purging event, an estimated mass of MtBE removed was calculated. The estimated MtBE concentration for each mass removal calculation was formed by averaging the MtBE concentrations from the most recent grab groundwater samples (before and after the purging event). Based on this series of calculations for the 26 purging events, an estimated total of 110.60 pounds of MtBE have been removed from the site during the purging of 129,800 gallons of groundwater through August 21, 2000. The estimated cumulative MtBE removed and the calculation method are presented in Table 1.

Conclusions and Recommendations

As summarized in Table 1 and illustrated on Figure 3, petroleum hydrocarbon concentrations in groundwater within the former UST pit have been reduced by purging groundwater from the pit on a regular basis. MtBE concentrations have decreased from a high of 150,000 ppb on May 31, 2000 to 46,000 ppb on August 21, 2000. TPHg and benzene concentrations have decreased from 2,100 and 96 ppb on February 3, 2000, to not detected and 4.8 ppb on for both analytes on August 21, 2000. MTBE concentrations in groundwater samples from MW-1 have decreased from a high of 140,000 ppb on August 2, 1999 to 42,800 ppb on July 26, 2000. The most recent and historical groundwater analytical data for MW-1 are presented in GR's *Second Semi-Annual 2000 Groundwater Monitoring and Sampling Report*, dated October 14, 2000.

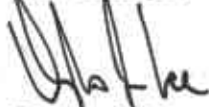
In conclusion, the most recent groundwater analytical results from TPW-1 document significant decreases in dissolved hydrocarbon concentrations. In addition, the most recent semi-annual sampling results show a reduction in MTBE concentrations in monitoring well MW-1. As a result of the purging, Tosco has succeeded in removing an estimated 110.60 pounds of MtBE from groundwater beneath the site as of August 21, 2000. To continue reducing the MTBE mass in groundwater beneath the site, GR is proposing continued weekly groundwater removal from TPW-1. The recommended purging program is ongoing at this time.

If you have any questions regarding this report, please call us in our Dublin office at (925) 551-7555.

Sincerely,
Gettler-Ryan Inc.



W. Skip McIntosh
Staff Geologist



Douglas J. Lee
Project Manager, R. G. No. 6882



Attachments: Table 1. - Groundwater Removal and Analytical Data
 Figure 1. Vicinity Map
 Figure 2. Site Plan
 Figure 3.. MTBE Concentration Vs. Cumulative Water Removed
 Groundwater Sample Analytical Results

cc: Eva Chu , Alameda County Health Care Services Agency

Table 1 - Groundwater Removal and Analytical Data

Tosco (76) Service Station No. 6419
6401 Dublin Boulevard
Dublin, California

Date Sampled or Purged	Purge Volume in Gallons	Cumulative Purge Volume in Gallons	MtBE Removed in Pounds	Cumulative MtBE Removed in Pounds	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-Benzene (ppb)	Xylenes (ppb)	MtBE (ppb)
Purged From Tank Pit Well										
11/17/99	--	--	--	--	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	130,000
12/10/99	--	--	--	--	ND ¹	32	ND ¹	ND ¹	ND ¹	130,000
12/23/00	5,000	5000	5.21	5.21	--	--	--	--	--	--
12/31/00	5,000	10,000	5.21	10.42	--	--	--	--	--	--
1/6/00	5,000	15,000	5.21	15.63	--	--	--	--	--	--
1/10/00	5,000	20,000	5.21	20.84	--	--	--	--	--	--
1/17/00	5,000	25,000	5.21	26.05	--	--	--	--	--	--
1/31/00	5,000	30,000	5.21	31.26	--	--	--	--	--	--
2/1/00	5,000	35,000	5.21	36.47	--	--	--	--	--	--
2/3/00	--	--	--	--	2100 ²	96	240	ND ¹	210	120,000
3/15/00	5,000	40,000	3.31	39.79	--	--	--	--	--	--
3/21/00	5,000	45,000	3.31	43.10	--	--	--	--	--	--
3/27/00	5,000	50,000	3.31	46.42	--	--	--	--	--	--
3/28/00	--	--	--	--	ND ¹	ND ¹	ND ¹	ND ¹	ND ¹	39,000
4/4/00	5,000	60,000	3.94	54.29	--	--	--	--	--	--
4/7/00	5,000	60,000	3.94	54.29	--	--	--	--	--	--
4/13/00	5,000	65,000	3.94	58.23	--	--	--	--	--	--
4/17/00	5,000	70,000	3.94	62.17	--	--	--	--	--	--
4/24/00	5,000	75,000	3.94	66.11	--	--	--	--	--	--
5/1/00	4,800	79,800	3.78	69.89	--	--	--	--	--	--
5/8/00	5,000	84,800	3.94	73.83	--	--	--	--	--	--
5/31/00	--	--	--	--	ND	1.7	ND	ND	ND	150,000
6/8/00	5,000	89,800	4.09	77.92	--	--	--	--	--	--
6/27/00	5,000	94,800	4.09	82.00	--	--	--	--	--	--
7/3/00	5,000	99,800	4.09	86.09	--	--	--	--	--	--
7/12/00	5,000	104,800	4.09	90.17	--	--	--	--	--	--
7/18/00	5,000	109,800	4.09	94.26	--	--	--	--	--	--
7/24/00	5,000	114,800	4.09	98.34	--	--	--	--	--	--
8/2/00	5,000	119,800	4.09	102.43	--	--	--	--	--	--
8/8/00	5,000	124,800	4.09	106.51	--	--	--	--	--	--
8/18/00	5,000	129,800	4.09	110.60	--	--	--	--	--	--
8/21/00	--	--	--	--	ND ¹	4.8	ND ¹	ND ¹	ND ¹	46,000

Table 1 - Groundwater Removal and Analytical Data

Tosco (76) Service Station No. 6419

6401 Dublin Boulevard

Dublin, California

EXPLANATION:

ppb = parts per billion

ND = Not Detected

-- = Not Applicable

ANALYTICAL METHODS:

TPHg = Total Petroleum Hydrocarbons as gasoline according to EPA Method 8015 Modified

Benzene, Toluene, Ethylbenzene, and Total Xylenes according to EPA Method 8020

MtBE = Methyl tertiary butyl ether according to EPA Methods 8020 or 8260

ANALYTICAL LABORATORY:

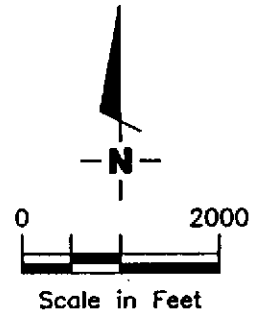
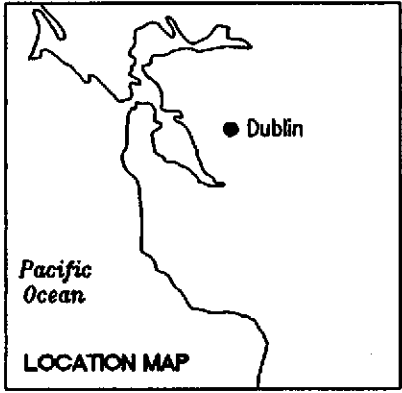
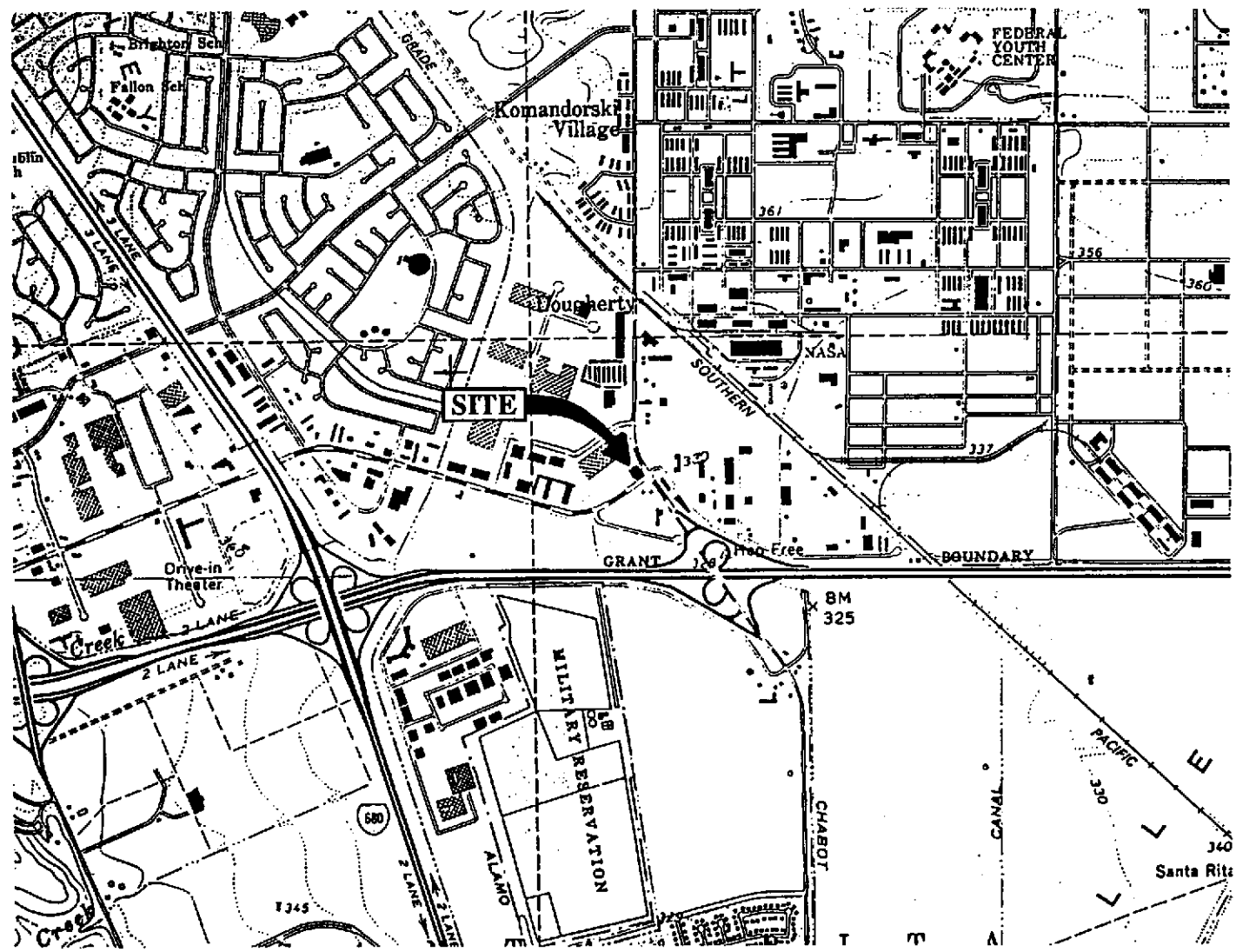
Sequoia Analytical (ELAP #1271 & 1210)

¹ = Elevated detection limit. See analytical report for detection limit.

² = Chromatogram pattern: Gasoline C6-C12

MtBE Removed (lbs.) = MtBE concentration (ppb) * gallons removed * 8.337lbs/gal H₂O / 1 x 10⁹ ppb

MtBE Concentration (ppb) = (MtBE concentration from water sample prior to purging event + MtBE concentration from water sample following purging event)/2



Base Map: USGS Topographic Map



Gettler - Ryan Inc.

6747 Sierra Ct., Suite J (925) 551-7555
Dublin, CA 94568

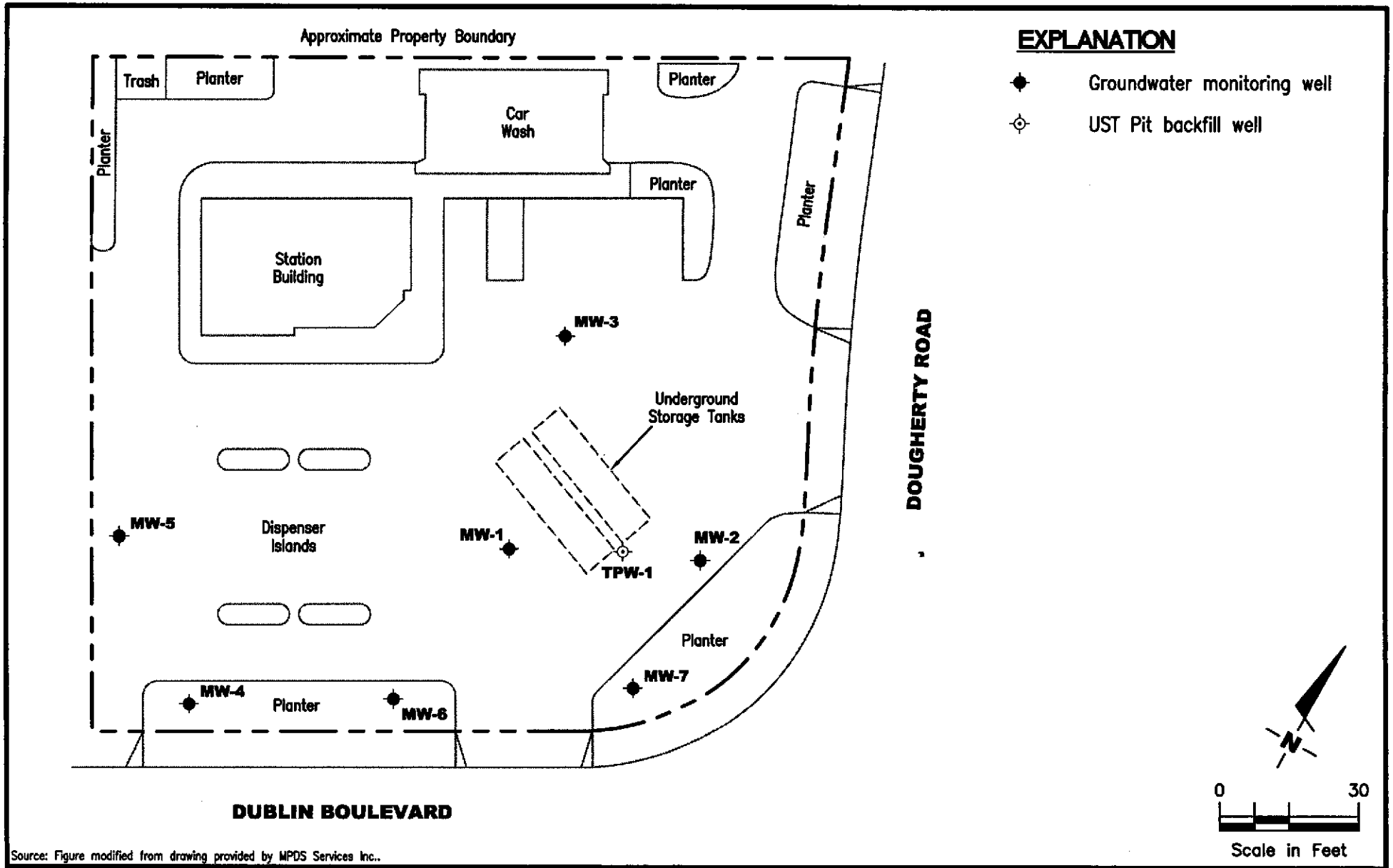
VICINITY MAP
Tosco 76 Branded Facility #6419
6401 Dublin Boulevard
Dublin, California

JOB NUMBER
140101

REVIEWED BY

DATE
November, 1998

REVISED DATE



Source: Figure modified from drawing provided by MPDS Services Inc..



Gettler - Ryan Inc.

6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

SITE PLAN

Tosco (76) Service Station No. 6419
6401 Dublin Boulevard
Dublin, California

FIGURE

2

PROJECT NUMBER
140101

REVIEWED BY

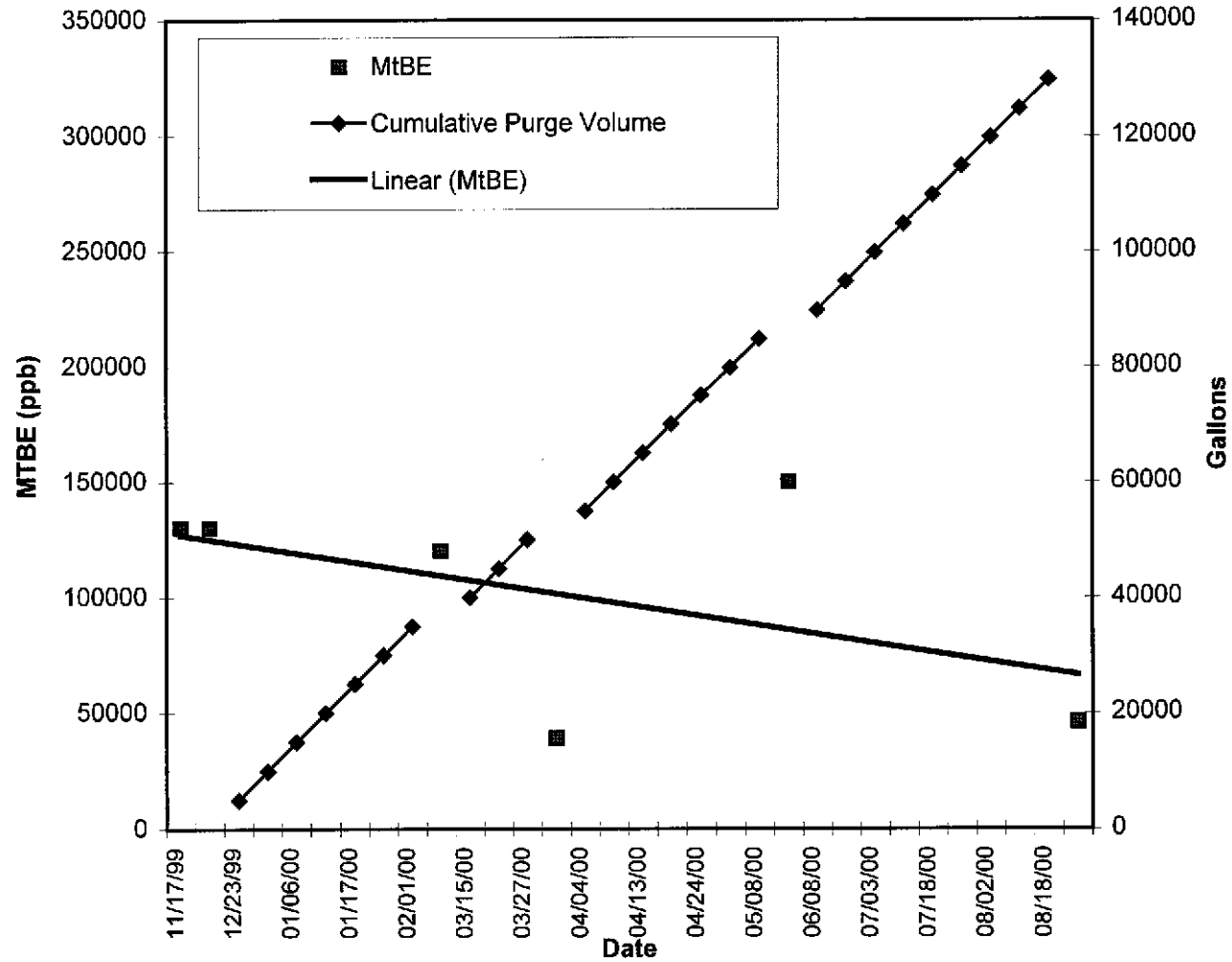
DATE
10/00

REVISED DATE

FIGURE 3

Tosco (76) Service Station No. 6419
6401 Dublin Boulevard,
Dublin, California

MTBE Concentration Vs. Cumulative Water Removed





Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

8 December, 1999

Doug Lee
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Tosco

Enclosed are the results of analyses for samples received by the laboratory on 17-Nov-99 17:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,


Julianne Fegley
Project Manager





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Doug Lee

Report Revised:
08-Dec-99 12:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TPW-1	W911451-01	Water	17-Nov-99 00:00	17-Nov-99 17:45

Sequoia Analytical - Walnut Creek

This report represents a revision of the original document. The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Julianne Fegley, Project Manager





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Doug Lee

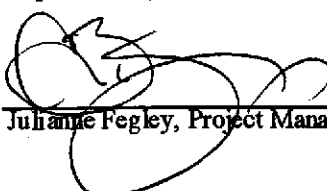
Report Revised:
08-Dec-99 12:44

**Total Purgeable Hydrocarbons (C6-C12) and BTEX by DHS LUFT
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TPW-1 (W911451-01) Water Sampled: 17-Nov-99 00:00 Received: 17-Nov-99 17:45									
Methyl tert-butyl ether	130000	1000	ug/l	400	9K18002	18-Nov-99	19-Nov-99	DHS LUFT	
Purgeable Hydrocarbons	ND	10000	"	200	"	"	"	"	
Benzene	ND	100	"	"	"	"	"	"	
Toluene	ND	100	"	"	"	"	"	"	
Ethylbenzene	ND	100	"	"	"	"	"	"	
Xylenes (total)	ND	100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		100 %	70-130		"	"	"	"	

Sequoia Analytical - Walnut Creek

This report represents a revision of the original document. The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.


Julianne Pegley, Project Manager





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Doug Lee

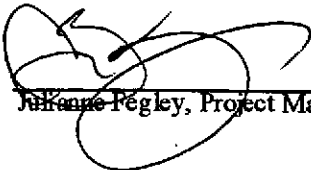
Report Revised:
08-Dec-99 12:44

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Sequoia Analytical - Walnut Creek

This report represents a revision of the original document. The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.


J. K. Pegley, Project Manager



TOSCO

404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342
 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Consultant Company: **GETTLER-RYAN INC.** GR#: **140101.03** Project Name: **6401 DUBLIN BLVD.**
 Address: **6747 SIERRA COURT SUITE 3** TOSCO Engineer (required) **DAVE DE WITT**
 City: **DUBLIN** State: **CA** Zip Code: **94568** **W911451**
 Telephone: **(925) 551-7555** FAX #: **(925) 551-7088** Site #, City, State: **6419, DUBLIN, CA**
 Report To: **DAUG LEE** Sampler: **DAUG LEE** QC Data: Level D (Standard) Level C Level B Level A

Turnaround Time: 10 Work Days 5 Work Days 3 Work Days 2 Work Days 1 Work Day 2-8 Hours
 CODE: Misc. Detect. Eval. Remed. Demol. Closure Other
 Analyses Requested: Drinking Water Waste Water

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested											Comments
						TPH (EPA 8015 Mod. Gas)	BTEX (EPA 8020)	TOTAL CHLORIDE	TPH (EPA 8015 Mod. Diesel)	Volatile Organics (EPA 8260)	MTBE Confirmation (EPA 8260)	METALS - PSC/CB	CU, Pb, Hg, Ni, Se, Zn	TRIBUTYL TIN	EPA GIO + PH		
1. TAW-1	11-17-99	H₂O	7	WASTE PLASTIC	OIA-G	X	X	X					X	X	X	2ppb DETECTION LIMIT FOR ALL EPA GIO ANALYTES	
2.																	
3.																	
4.																MUST HAVE RESULTS FAXED TO GR BY 12-1-99 AT 5:00 AM	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Relinquished By: [Signature]	Date: 11-17-99	Time: 17:45	Received By: Melissa Brewer	Date: 11/17/99	Time: 17:45
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: _____	Date: _____	Time: _____

Were Samples Received in Good Condition? Yes No Samples on Ice? Yes No Method of Shipment _____ Page ___ of ___

To be completed upon receipt of report:
 1) Were the analyses requested on the Chain of Custody reported? Yes No If no, what analyses are still needed? _____
 2) Was the report issued within the requested turnaround time? Yes No If no, what was the turnaround time? _____
 Approved by: _____ Signature: _____ Company: _____ Date: _____

Pink - Client
 Yellow - Geotech
 Green - Geology
 Blue - Geophysics



Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

30 December, 1999

Doug Lee
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Tosco

Enclosed are the results of analyses for samples received by the laboratory on 13-Dec-99 17:14. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Alan B. Kemp
Laboratory Director





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Doug Lee

Reported:
30-Dec-99 14:36

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled
W-1	W912275-01	Water	10-Dec-99 00:00
W-1	W912275-01	Water	10-Dec-99 14:00





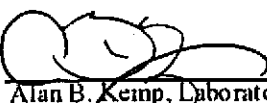
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Doug Lee

Reported:
30-Dec-99 14:36

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-1 (W912275-01) Water Sampled: 10-Dec-99 14:00 Received: 13-Dec-99 17:14									
Purgeable Hydrocarbons	ND	1000	ug/l	20	9L17001	17-Dec-99	17-Dec-99	EPA	
Benzene	32	10	"	"	"	"	"	8015M/8020	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		110 %	70-130	"	"	"	"	"	
W-1 (W912275-01RE1) Water Sampled: 10-Dec-99 14:00 Received: 13-Dec-99 17:14									
Methyl tert-butyl ether	130000	2500	ug/l	1000	9L17001	17-Dec-99	17-Dec-99	EPA	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		110 %	70-130	"	"	"	"	8015M/8020	


Alan B. Kemp, Laboratory Director





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Doug Lee

Reported:
30-Dec-99 14:36

**Total Metals by EPA 6000/7000 Series Methods
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
W-1 (W912275-01) Water Sampled: 10-Dec-99 14:00 Received: 13-Dec-99 17:14									
Mercury	ND	0.00020	mg/l	1	9L20017	20-Dec-99	21-Dec-99	EPA 7470A	
Antimony	ND	0.10	"	"	9L21020	21-Dec-99	30-Dec-99	EPA 6010	
Arsenic	ND	0.10	"	"	"	"	"	"	A-01
Barium	0.12	0.010	"	"	"	"	"	"	
Beryllium	ND	0.010	"	"	"	"	"	"	
Cadmium	ND	0.010	"	"	"	"	"	"	
Chromium	0.020	0.010	"	"	"	"	"	"	
Cobalt	ND	0.010	"	"	"	"	"	"	
Copper	ND	0.010	"	"	"	"	"	"	
Lead	0.040	0.020	"	"	"	"	"	"	
Molybdenum	0.014	0.010	"	"	"	"	"	"	
Nickel	0.048	0.010	"	"	"	"	"	"	
Selenium	ND	0.10	"	"	"	"	"	"	
Silver	ND	0.010	"	"	"	"	"	"	
Thallium	ND	0.50	"	"	"	"	"	"	
Vanadium	ND	0.010	"	"	"	"	"	"	
Zinc	0.046	0.020	"	"	"	"	"	"	



N: 000539

TOSCO

600 Jarvis Drive • Morgan Hill, CA 95037 • (408) 776-9600 • FAX (408) 752-6308
 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342
 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

12/30/99 14:45 :07/07 NO:938

925 988 9673

SEQUOIA ANALYTICAL

Pink - Client 925 988 9673 PAGE.007

Yellow - Sequoia

White - Sequoia

DEC 30 '99 15:54

Consultant Company: Gettler-Ryan 14010103 Project Name: #6419 Tosco
 Address: 6747 Scenic Ct Suite J TOSCO Engineer (required) Dave DeWitt
 City: Dublin State: CA Zip Code: 94568 W912275
 Telephone: (925) 551-7555 FAX: (925) 551-7888 Site #, City, State: #6419 6401 Dublin Blvd Dublin
 Report To: Doug Lec Sampler: Chyle Galentine QC Data: Level D (Standard) Level C Level B Level A

Turnaround Time: 10 Work Days 5 Work Days 3 Work Days 2 Work Days 1 Work Day 2-8 Hours
 Analyses Requested: Drinking Water Waste Water Other
 CODE: Misc. Detect. Eval. Remed. Demol. Closure

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested							Comments
						TPH (EPA M15 Met. Gas)	BTEX (EPA M20)	MTBE (EPA M20)	TPH (EPA M15 Met. Aque)	Volatile Organics (EPA M20)	MTBE Confirmation (EPA M20)	PCB (EPA M20)	
1. W-1	12/10/99 14:00	H ₂ O	4	2 Jars 1 Jar 1 Jar	OIA-D	X	X	X			X	X	10 Day TAT
2.													
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.													

Relinquished By: <u>Chyle Galentine</u>	Date: <u>12/10/99</u>	Time: <u>15:30</u>	Received By: <u>John Worn</u>	Date: <u>12/10/99</u>	Time: <u>15:30</u>
Relinquished By: <u>John Worn</u>	Date: <u>12/13/99</u>	Time: <u>17:14</u>	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: <u>John Worn</u>	Date: <u>12/13/99</u>	Time: <u>17:14</u>

Were Samples Received in Good Condition? Yes No Samples on Ice? Yes No Method of Shipment _____ Page ___ of ___

To be completed upon receipt of report:
 1) Were the analyses requested on the Chain of Custody reported? Yes No If no, what analyses are still needed? _____
 2) Was the report issued within the requested turnaround time? Yes No If no, what was the turnaround time? _____
 Approved by: _____ Signature: _____ Company: _____ Date: _____



**Sequoia
Analytical**

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673

14 February, 2000

Clyde Galantine
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Tosco

Enclosed are the results of analyses for samples received by the laboratory on 03-Feb-00 15:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Alan B. Kemp
Laboratory Director





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Clyde Galantine

Reported:
14-Feb-00 08:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CC-1	W002083-01	Water	03-Feb-00 08:15	03-Feb-00 15:55

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Alan B. Kemp, Laboratory Director





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Clyde Galantine

Reported:
14-Feb-00 08:01

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
CC-1 (W002083-01) Water Sampled: 03-Feb-00 08:15 Received: 03-Feb-00 15:55 P-01									
Purgeable Hydrocarbons	2100	1000	ug/l	20	0B04003	04-Feb-00	04-Feb-00	EPA	
Benzene	96	10	"	"	"	"	"	8015M/8020	
Toluene	240	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	210	10	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		85.3 %	70-130	"	"	"	"	"	
CC-1 (W002083-01RE1) Water Sampled: 03-Feb-00 08:15 Received: 03-Feb-00 15:55 P-01									
Methyl tert-butyl ether	120000	1300	ug/l	500	0B04003	04-Feb-00	08-Feb-00	EPA	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		99.3 %	70-130	"	"	"	"	8015M/8020	





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Clyde Galantine

Reported:
14-Feb-00 08:01

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0B04003: Prepared 04-Feb-00 Using EPA 5030B [MeOH]

Blank (0B04003-BLK1)

Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	29.6		"	30.0		98.7	70-130			

LCS (0B04003-BS1)

Benzene	23.2	0.50	ug/l	20.0		116	70-130			
Toluene	23.6	0.50	"	20.0		118	70-130			
Ethylbenzene	23.8	0.50	"	20.0		119	70-130			
Xylenes (total)	68.9	0.50	"	60.0		115	70-130			
Surrogate: a,a,a-Trifluorotoluene	29.3		"	30.0		97.7	70-130			

Matrix Spike (0B04003-MS1)

Source: W002098-09

Benzene	20.5	0.50	ug/l	20.0	ND	103	70-130			
Toluene	21.1	0.50	"	20.0	ND	106	70-130			
Ethylbenzene	21.4	0.50	"	20.0	ND	107	70-130			
Xylenes (total)	62.3	0.50	"	60.0	ND	104	70-130			
Surrogate: a,a,a-Trifluorotoluene	28.1		"	30.0		93.7	70-130			

Matrix Spike Dup (0B04003-MSD1)

Source: W002098-09

Benzene	21.2	0.50	ug/l	20.0	ND	106	70-130	3.36	20	
Toluene	21.4	0.50	"	20.0	ND	107	70-130	1.41	20	
Ethylbenzene	21.4	0.50	"	20.0	ND	107	70-130	0	20	
Xylenes (total)	61.5	0.50	"	60.0	ND	103	70-130	1.29	20	
Surrogate: a,a,a-Trifluorotoluene	29.1		"	30.0		97.0	70-130			





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Clyde Galantine

Reported:
14-Feb-00 08:01

Notes and Definitions

P-01 Chromatogram Pattern: Gasoline C6-C12
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference



TOSCO

819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342
 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Consultant Company: Gottler-Ryan Inc 140101.03 Project Name: Tosco #6419
 Address: 6747 Sierra Ct Suite J TOSCO Engineer (required) Dave DeWitt
 City: Dublin State: CA Zip Code: 94546 WCO2083
 Telephone: (925) 551-7555 FAX #: (925) 551-7888 Site #, City, State: #6419 Dublin, CA
 Report To: Clyde Galantine Sampler: Clyde Galantine QC Data: Level D (Standard) Level C Level B Level A

Turnaround Time: 10 Work Days 5 Work Days 3 Work Days
 2 Work Days 1 Work Day 2-8 Hours

CODE: Misc. Detect. Eval. Remed. Demol. Closure

Drinking Water Waste Water Other
 Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested							Comments	
						TPH (EPA 8015 Mod. 609)	BTEX (EPA 8020)	MTBE (EPA 8020)	TPH (EPA 8015 Mod. 609)	Volatile Organics (EPA 8260)	MTBE Confirmation (EPA 8260)			
1. <u>CC-1</u>	<u>2/3/00 8:15</u>	<u>H₂O</u>	<u>4</u>	<u>Voas</u>	<u>OIA-D</u>	<u>X</u>	<u>X</u>	<u>X</u>						
2.														
3.														
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8.														
9.														
10.														

Relinquished By: <u>Clyde Galantine</u>	Date: <u>2/3/00</u>	Time: <u>8:30</u>	Received By: <u>WJH</u>	Date: <u>2-3-00</u>	Time: <u>13:15</u>
Relinquished By: <u>WJH</u>	Date: <u>2/3/00</u>	Time: <u>15:55</u>	Received By: <u>Ronald C. Jensen</u>	Date: <u>2/3/00</u>	Time: <u>15:55</u>
Relinquished By: _____	Date: _____	Time: _____	Received By: <u>WC</u>	Date: _____	Time: _____

Were Samples Received in Good Condition? Yes No Samples on Ice? Yes No Method of Shipment _____ Page ___ of ___

To be completed upon receipt of report:
 1) Were the analyses requested on the Chain of Custody reported? Yes No If no, what analyses are still needed? _____
 2) Was the report issued within the requested turnaround time? Yes No If no, what was the turnaround time? _____
 Approved by: _____ Signature: _____ Company: _____ Date: _____

White - Corning



Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com


14 April, 2000

Doug Lee
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Tosco
Sequoia Report: W003669

Enclosed are the results of analyses for samples received by the laboratory on 29-Mar-00 18:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,


for Alan B. Kemp
Laboratory Director

CA ELAP Certificate #1271





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Doug Lee

Reported:
14-Apr-00 11:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TPW-1	W003669-01	Water	28-Mar-00 14:29	29-Mar-00 18:35





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Doug Lee

Reported:
14-Apr-00 11:15

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TPW-1 (W003669-01) Water Sampled: 28-Mar-00 14:29 Received: 29-Mar-00 18:35									
Purgeable Hydrocarbons	ND	5000	ug/l	100	0D05003	05-Apr-00	05-Apr-00	EPA 8015M/8020	
Benzene	ND	50	"	"	"	"	"	"	
Toluene	ND	50	"	"	"	"	"	"	
Ethylbenzene	ND	50	"	"	"	"	"	"	
Xylenes (total)	ND	50	"	"	"	"	"	"	
Methyl tert-butyl ether	39000	250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		103 %		70-130	"	"	"	"	





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Doug Lee

Reported:
14-Apr-00 11:15

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0D05003 - EPA 5030B [P/T]										
Blank (0D05003-BLK1) Prepared & Analyzed: 05-Apr-00										
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.3		"	30.0		101	70-130			
LCS (0D05003-BS1) Prepared & Analyzed: 05-Apr-00										
Benzene	20.1	0.50	ug/l	20.0		101	70-130			
Toluene	20.2	0.50	"	20.0		101	70-130			
Ethylbenzene	20.3	0.50	"	20.0		101	70-130			
Xylenes (total)	58.5	0.50	"	60.0		97.5	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	29.5		"	30.0		98.3	70-130			
Matrix Spike (0D05003-MS1) Source: W003689-05 Prepared & Analyzed: 05-Apr-00										
Benzene	21.1	0.50	ug/l	20.0	ND	106	70-130			
Toluene	21.3	0.50	"	20.0	ND	106	70-130			
Ethylbenzene	21.8	0.50	"	20.0	ND	109	70-130			
Xylenes (total)	62.4	0.50	"	60.0	ND	104	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	29.6		"	30.0		98.7	70-130			
Matrix Spike Dup (0D05003-MSD1) Source: W003689-05 Prepared & Analyzed: 05-Apr-00										
Benzene	20.2	0.50	ug/l	20.0	ND	101	70-130	4.36	20	
Toluene	20.5	0.50	"	20.0	ND	103	70-130	3.83	20	
Ethylbenzene	22.3	0.50	"	20.0	ND	111	70-130	2.27	20	
Xylenes (total)	58.5	0.50	"	60.0	ND	97.5	70-130	6.45	20	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	31.3		"	30.0		104	70-130			





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Doug Lee

Reported:
14-Apr-00 11:15

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference



No 000875



- 885 Jarvis Drive • Morgan Hill, CA 95037 • (408) 776-9600 • FAX (408) 782-6308
- 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
- 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
- 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342
- 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Consultant Company: <u>GETTLER-RYAN INC</u>		Project Name: <u>6401 DUBLIN BLVD</u>	
Address: <u>6747 SIERRA CT SUITE J</u>		TOSCO Engineer (required) <u>DAVE DEWITT</u>	
City: <u>DUBLIN</u>	State: <u>CA</u>	Zip Code: <u>94568</u>	<u>MOB3669</u>
Telephone: <u>(925) 559-7555</u>		FAX #: <u>551-7888</u>	Site #, City, State: <u>6419 DUBLIN CA</u>
Report To: <u>DOUG LEE</u>	Sampler: <u>S. POLSTON</u>	QC Data: <input type="checkbox"/> Level D (Standard) <input type="checkbox"/> Level C <input type="checkbox"/> Level B <input type="checkbox"/> Level A	

Turnaround Time: <input type="checkbox"/> 10 Work Days <input type="checkbox"/> 5 Work Days <input type="checkbox"/> 3 Work Days <input type="checkbox"/> 2-8 Hours	<input type="checkbox"/> Drinking Water	Analyses Requested TPH (EPA 8015 Mod. Gas) <input type="checkbox"/> BTEX (EPA 8020) <input type="checkbox"/> MTBE (EPA 8020) <input type="checkbox"/> TPH (EPA 8015 Mod. Diesel) <input type="checkbox"/> Volatile Organics (EPA 8260) <input type="checkbox"/> MTBE Confirmation (EPA 8260) <input type="checkbox"/>
<input type="checkbox"/> 2 Work Days <input type="checkbox"/> 1 Work Day	<input type="checkbox"/> Waste Water <input type="checkbox"/> Other	
CODE: <input type="checkbox"/> Misc. <input type="checkbox"/> Detect. <input type="checkbox"/> Eval. <input type="checkbox"/> Remed. <input type="checkbox"/> Demol. <input type="checkbox"/> Closure		

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested						Comments	
						TPH (EPA 8015 Mod. Gas)	BTEX (EPA 8020)	MTBE (EPA 8020)	TPH (EPA 8015 Mod. Diesel)	Volatile Organics (EPA 8260)	MTBE Confirmation (EPA 8260)		
1. <u>TPW-1</u>	<u>3/28/00 1429</u>	<u>GW</u>	<u>3</u>	<u>VOL</u>	<u>01A-C</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>Results Due on 4/11/00 BY 17:00</u>
2.													
3.													
4.													
5.													
6.													
7.													
8.													
9.													
10.													

Relinquished By: <u>[Signature]</u>	Date: <u>3/28/00</u>	Time: _____	Received By: <u>John Weber</u>	Date: <u>3/29/00</u>	Time: _____
Relinquished By: <u>John Weber</u>	Date: <u>3/29/00</u>	Time: <u>18:35</u>	Received By: _____	Date: _____	Time: _____
Relinquished By: _____	Date: _____	Time: _____	Received By: <u>[Signature]</u>	Date: <u>3/29</u>	Time: <u>18:35</u>

Were Samples Received in Good Condition? Yes No Samples on Ice? Yes No Method of Shipment _____ Page ___ of ___

To be completed upon receipt of report:

1) Were the analyses requested on the Chain of Custody reported? Yes No If no, what analyses are still needed? _____

2) Was the report issued within the requested turnaround time? Yes No If no, what was the turnaround time? _____

Approved by: _____ Signature: _____ Company: _____ Date: _____

Pink - Client
Yellow - Sequoia
White - Sequoia



Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequolalabs.com

12 June, 2000

Doug Lee
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Tosco
Sequoia Report: W005773

Enclosed are the results of analyses for samples received by the laboratory on 31-May-00 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Doug Lee

Reported:
12-Jun-00 08:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TPW-1	W005773-01	Water	31-May-00 00:00	31-May-00 17:00



Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Doug Lee

Reported:
12-Jun-00 08:59

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TPW-1 (W005773-01) Water Sampled: 31-May-00 12:30 Received: 31-May-00 17:00									
Purgeable Hydrocarbons	ND	50	ug/l	1	0F01002	01-Jun-00	01-Jun-00	EPA 8015M/8020	
Benzene	1.7	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	150000	2500	"	1000	"	"	05-Jun-00	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		97.0 %		70-130	"	"	01-Jun-00	"	



Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: Doug Lee

Reported:
12-Jun-00 08:59

**Physical Parameters by APHA/ASTM/EPA Methods
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TPW-1 (W005773-01) Water Sampled: 31-May-00 12:30 Received: 31-May-00 17:00									
Corrosivity	6.90	0.100	pH units	1	OF05006	31-May-00	31-May-00	EPA 9045B	
Ignitability by Flashpoint	ND	10	°C	*	OF01007	01-Jun-00	01-Jun-00	EPA 1010	F-01



No 000899

TOSCO

885 Jarvis Drive • Morgan Hill, CA 95037 • (408) 776-9000 • FAX (408) 762-0000
 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792
 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Consultant Company: Gettler-Ryan MOLOLOS Project Name: Tosco #6419
 Address: 6747 Sierra Ct Suite J TOSCO Engineer (required) Dave DeWitt
 City: Dublin State: CA Zip Code: 94568 WOODS773
 Telephone: (925) 551-7555 FAX #: (925) 551-7888 Site #, City, State: #6419 Dublin, CA
 Report To: Doug Lec Sampler: Clyde Galantine QC Data: Level D (Standard) Level C Level B Level A

Turnaround Time: 10 Work Days 5 Work Days 3 Work Days 2 Work Days 1 Work Day 2-8 Hours
 CODE: Misc. Detect. Eval. Remed. Demol. Closure Drinking Water Waste Water Other
 Analyses Requested: RCT

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPH (EPA 8015 Mod. 604)	BTEX (EPA 8260)	MTBE (EPA 8260)	TPH (EPA 8015 Mod. 604)	Volatile Organics (EPA 8260)	MTBE Confirmation (EPA 8260)	Comment
1. TPW-1	5/31/05 12:30	H ₂ O	5	400ccs 1amb	OIA-F	X	X	X			X	
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												

Relinquished By: Clyde Galantine Date: 5/31/05 Time: 12:45 Received By: Mark Pelt Date: 5-31 Time: 15
 Relinquished By: Mark Pelt Date: 5-31 Time: 17:00 Received By: _____ Date: _____ Time: _____
 Relinquished By: _____ Date: _____ Time: _____ Received By: Mark Pelt Date: 5/31/05 Time: 17

Were Samples Received in Good Condition? Yes No Samples on Ice? Yes No Method of Shipment: _____ Page ____ of ____
 To be completed upon receipt of report:
 1) Were the analyses requested on the Chain of Custody reported? Yes No If no, what analyses are still needed? _____
 2) Was the report issued within the requested turnaround time? Yes No If no, what was the turnaround time? _____
 Approved by: _____ Signature: _____ Company: _____ Date: _____



Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com

5 September, 2000

W. Skip McIntosh
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Tosco
Sequoia Report W008471

Enclosed are the results of analyses for samples received by the laboratory on 21-Aug-00 16:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: W. Skip McIntosh

Reported:
05-Sep-00 08:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TPW-1	W008471-01	Water	21-Aug-00 13:07	21-Aug-00 16:25





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Tosco
Project Number: Tosco # 6419
Project Manager: W. Skip McIntosh

Reported:
05-Sep-00 08:09

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TPW-1 (W008471-01) Water Sampled: 21-Aug-00 13:07 Received: 21-Aug-00 16:25									
Purgeable Hydrocarbons	ND	130	ug/l	2.5	0H30003	30-Aug-00	30-Aug-00	EPA 8015M/8020	
Benzene	4.8	1.3	"	"	"	"	"	"	
Toluene	ND	1.3	"	"	"	"	"	"	
Ethylbenzene	ND	1.3	"	"	"	"	"	"	
Xylenes (total)	ND	1.3	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		89.7 %	70-130		"	"	"	"	
TPW-1 (W008471-01RE1) Water Sampled: 21-Aug-00 13:07 Received: 21-Aug-00 16:25									
Methyl tert-butyl ether	46000	500	ug/l	200	0H30003	30-Aug-00	30-Aug-00	EPA 8015M/8020	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		101 %	70-130		"	"	"	"	





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

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Reported:
05-Sep-00 08:09

**Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 0H30003 - EPA 5030B [P/T]

Blank (0H30003-BLK1)

Prepared & Analyzed: 30-Aug-00

Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	29.5		"	30.0		98.3	70-130			

LCS (0H30003-BS1)

Prepared & Analyzed: 30-Aug-00

Benzene	19.3	0.50	ug/l	20.0		96.5	70-130			
Toluene	19.4	0.50	"	20.0		97.0	70-130			
Ethylbenzene	19.6	0.50	"	20.0		98.0	70-130			
Xylenes (total)	56.9	0.50	"	60.0		94.8	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	29.0		"	30.0		96.7	70-130			

Matrix Spike (0H30003-MS1)

Source: W008473-02

Prepared & Analyzed: 30-Aug-00

Benzene	18.2	0.50	ug/l	20.0	ND	91.0	70-130			
Toluene	18.2	0.50	"	20.0	ND	91.0	70-130			
Ethylbenzene	18.4	0.50	"	20.0	ND	92.0	70-130			
Xylenes (total)	52.9	0.50	"	60.0	ND	88.2	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	29.1		"	30.0		97.0	70-130			

Matrix Spike Dup (0H30003-MSD1)

Source: W008473-02

Prepared & Analyzed: 30-Aug-00

Benzene	18.4	0.50	ug/l	20.0	ND	92.0	70-130	1.09	20	
Toluene	18.5	0.50	"	20.0	ND	92.5	70-130	1.63	20	
Ethylbenzene	18.7	0.50	"	20.0	ND	93.5	70-130	1.62	20	
Xylenes (total)	53.6	0.50	"	60.0	ND	89.3	70-130	1.31	20	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	28.1		"	30.0		93.7	70-130			



N^o 002007

TOSCO

819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 FAX (916) 921-0100
 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342
 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Consultant Company: GETTNER-RYAN 180021 Project Name: 6401 DUBLIN BLVD.
 Address: 6747 SIERRA COURT SUITE J TOSCO Engineer (required) DAVE DEWITT
 City: Dublin State: CA Zip Code: 94568 W008471
 Telephone: 925 551-7555 FAX: 925 551-7888 Site #, City, State: 6419 DUBLIN, CA
 Report: 10. Skip McIntosh Sampler: 10. Skip McIntosh QC Data: Level D (Standard) Level C Level B Level A

Turnaround Time: 10 Work Days 5 Work Days 3 Work Days 2-8 Hours
 2 Work Days 1 Work Day

Analyses Requested:
 Drinking Water Waste Water Other
 Misc. Detect. Eval. Remed. Demol. Closure

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	Analyses Requested							Comments	
						TPH (EPA 8015 Mod. Gas)	BTEX (EPA 8020)	MTBE (EPA 8020)	TPH (EPA 8015 Mod. Diesel)	Volatile Organics (EPA 8260)	MTBE Confirmation (EPA 8260)			
1. TPW-1	8/21/00 13:07	H ₂ O	2	VOA	01A-B	X	X	X						
2.														
3.														
4.														
5.														
6.														
7.														
8.														
9.														
10.														

Relinquished By: <u>W. Skip McIntosh</u>	Date: <u>8/21/00</u>	Time: <u>14:11</u>	Received By: <u>Mark Colli</u>	Date: <u>8.21</u>	Time: <u>1530</u>
Relinquished By: <u>Mark Colli</u>	Date: <u>8.21</u>	Time: <u>1625</u>	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By: <u>W. Skip</u>	Date: <u>8/21/00</u>	Time: <u>16:25</u>

Were Samples Received in Good Condition? Yes No
 Samples on Ice? Yes No
 Method of Shipment _____
 Page ___ of ___

To be completed upon receipt of report:

1) Were the analyses requested on the Chain of Custody reported? Yes No If no, what analyses are still needed? _____
 2) Was the report issued within the requested turnaround time? Yes No If no, what was the turnaround time? _____

Approved by: _____ Signature: _____ Company: _____ Date: _____

Pink - Client

Yellow - Sequoia

White - Cominca



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05-Sep-00 08:09

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

