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FINAL

QUARTERLY GROUNDWATER MONITORING REPORT
JANUARY-FEBRUARY 1996 SAMPLING ROUND

Volume I

GROUNDWATER MONITORING PROGRAM
FOR
MARINE CORPS AIR STATION EL TORO
EL TORO, CALIFORNIA

Contract No. N68711-95-D-7530
Delivery Order 009

Prepared for:

SOUTHWEST DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
1220 Pacific Highway
San Diego, California 92132

Prepared by:

CDM FEDERAL PROGRAMS CORPORATION
3760 Convoy Street, Suite 210
San Diego, California 92111

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for
MARINE CORPS AIR STATION
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CONTRACT NUMBER: N68711-95-D-7530, Delivery Order No. 009

Prepared by: Paul Bertucci 6/27/96

Paul Bertucci, R.G.
CDM Federal Programs Corporation
Senior Geologist

Date

REGISTERED GEOLOGIST
PAUL F. BERTUCCI
No. 4438
Exp. 8-31-96
STATE OF CALIFORNIA

Approved by: Larry Davidson 6/27/96

Larry Davidson, P.E.
CDM Federal Programs Corporation
Project Manager

Date

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PLATE:

A-1 LOCATION OF GROUNDWATER MONITORING AND REGIONAL WELLS

LIST OF ACRONYMS

BCT	BRAC Cleanup Team
BGS	below ground surface
BRAC	Base Realignment and Closure
CCl_4	carbon tetrachloride
CBCEC	California Base Closure Environmental Committee
CLEAN	Comprehensive Long-term Environmental Action Navy
CLP	Contract Laboratory Program
CRDL	contract-required detection limit
DBMW	deep boring (completed as) monitoring well
1,1-DCE	1,1-dichloroethylene
1,2-DCE	1,2-dichloroethylene
°C	degrees Celsius
DG	downgradient (monitoring well)
DNAPL	dense non-aqueous phase liquid
DO	dissolved oxygen
DTSC	(California) Department of Toxic Substances Control
EC	electrical conductivity
Eh	redox potential
EPA	U.S. Environmental Protection Agency
ft	foot or feet
ft/day	feet per day
GMP	Groundwater Monitoring Plan
GWMP	Groundwater Monitoring Program
IAFS	Interim-Action Feasibility Study
L	liter
MCAS	Marine Corps Air Station
MCL	maximum contaminant level
μg	microgram
mg	milligram
MP	multiple-port (monitoring well)
MSL	mean sea level
M W	monitoring well
NAVFAC	Naval Facilities Engineering Command
NPL	National Priorities List
NTU	nephelometric turbidity units
OCWD	Orange County Water District
OU	Operable Unit
PCB	polychlorinated biphenyl
PCE	tetrachloroethylene (also perchloroethylene)
pCi	picocurie
pH	measures of acidity/alkalinity

LIST OF ACRONYMS (continued)

RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
RWQCB	(California) Regional Water Quality Control Board
Station	MCAS El Toro
SVOC	semivolatile organic compound
SWDIV	Southwest Division, Naval Facilities Engineering Command (Department of Navy)
TAL	Target Analyte List
TCE	trichloroethylene (also trichloroethene)
TCL	Target Compound List
TFH	total fuel hydrocarbons
TDS	total dissolved solids
TIC	The Irvine Company
TOC	total organic carbon
TSS	total suspended solids
UG	upgradient (monitoring well)
VOC	volatile organic compound

EXECUTIVE SUMMARY

This Quarterly Monitoring Report presents the results of the January-February 1996 groundwater sampling round conducted at the Marine Corps Air Station (MCAS) in El Toro, California. The groundwater monitoring was performed to provide groundwater quality and groundwater elevation data to continue support for the Remedial Investigation/Feasibility Study (RI/FS) being conducted at MCAS El Toro. The field activities occurred during the period January through March 1996 and included the monthly measurement of water levels and the collection and analysis of groundwater samples from the network of 163 monitoring wells/monitoring ports at MCAS El Toro. During this sampling round, groundwater samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds, pesticides, herbicides, general chemistry, metals (filtered and unfiltered samples), treatability parameters, and other site-specific analytes. Comprehensive sampling of the groundwater monitoring wells was last conducted during the Phase I RI in 1992-93.

Overall, groundwater elevations in all of the monitoring wells at MCAS El Toro have shown a consistent increase, ranging from 2 to 11 feet, above groundwater levels measured in May 1994. Groundwater levels continued to show an increase in elevation during the recent winter monitoring period (January-March 1996). The water level data for this monitoring period confirm similar hydraulic gradient and groundwater flow conditions for the shallow groundwater unit and principal aquifer zone as observed in 1993-94.

In general, the concentrations of trichloroethylene (TCE), tetrachloroethylene (PCE), and carbon tetrachloride detected in January-February 1996 in the on-Station portion of the Main VOC Plume were consistently lower than concentrations found in 1992-93. The apparent lateral and vertical extent of TCE in the Main VOC Plume in the off-Station area has not appreciably changed since 1992-93. The new sampling data confirm the presence of a secondary VOC plume (TCE-PCE) at Site 2 (Magazine Road Landfill) and indicate that concentrations of benzene and other aromatic hydrocarbons in groundwater at fuel release sites

are lower than found in prior sampling. However, benzene was detected in groundwater samples from two deep zone monitoring wells which were found to be non-detect for benzene in 1992-93.

1.0 INTRODUCTION

The results of the January-February 1996 groundwater sampling round conducted at the Marine Corps Air Station (MCAS) in El Toro, California are presented in this Quarterly Groundwater Monitoring Report. The MCAS El Toro facility occupies about 4,700 acres and is located southeast of the City of Santa Ana in Orange County, California (Figure 1-1). The groundwater monitoring, sampling, and analysis activities were conducted by CDM Federal Programs Corporation (CDM Federal) for the Naval Facilities Engineering Command, Southwest Division (SWDIV) under Contract N68711-95-D-7530, Delivery Order 009.

1.1 BACKGROUND

The groundwater monitoring was performed according to the *Final Groundwater Monitoring Plan (GMP)*, dated April 28, 1995, prepared for SWDIV by Jacobs Engineering Group (Jacobs) in partial fulfillment of Contract Task Order (CTO) 145 of the Comprehensive Long-term Environmental Action Navy (CLEAN) Program. The *Final Groundwater Monitoring Plan* (Jacobs, 1995) was developed to implement a comprehensive Groundwater Monitoring Program (GWMP) for MCAS El Toro to provide groundwater quality and groundwater elevation data to continue support for the ongoing MCAS El Toro Remedial Investigation/Feasibility Study (RI/FS). The primary objectives of the GMP are to:

- Monitor and document organic and inorganic groundwater quality and groundwater flow conditions at MCAS El Toro,
- Monitor and assess the extent and movement of existing plumes of volatile organic compounds (VOCs) in groundwater, which were identified during previous groundwater sampling, and
- Provide water quality, hydraulic gradient data, and other site-specific data to support the design, implementation, and monitoring of potential remedial actions.

Figure from Jacobs (1995)

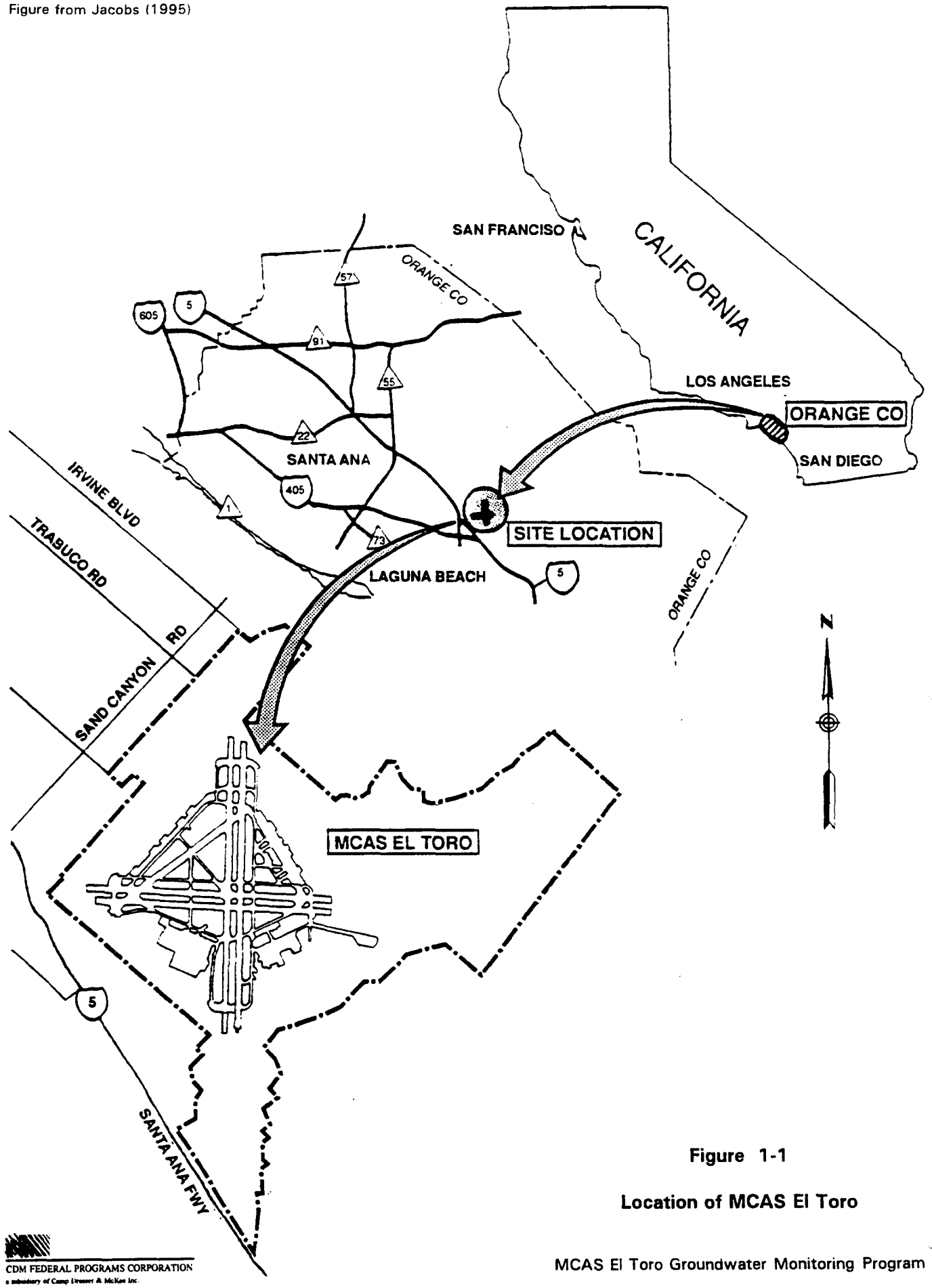

Figure 1-1

Location of MCAS El Toro

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MCAS El Toro Groundwater Monitoring Program

The *Final Groundwater Monitoring Plan* (Jacobs, 1995) describes the specific objectives and rationale for the current groundwater monitoring, sampling, and analysis program. Background information on site history, physical setting, hydrogeology, the nature and extent of contamination, and the conceptual model of VOC contamination are presented in the *Phase I Remedial Investigation Technical Memorandum*, dated May 7, 1993 (Jacobs, 1993). A summary of the available chemical analytical data for the groundwater monitoring wells and other regional wells at MCAS El Toro is provided in the *Groundwater Quality Data Report* (Jacobs, 1994).

1.2 SAMPLING PLANS FOR GROUNDWATER MONITORING

The groundwater monitoring, sampling, and analysis activities performed at MCAS El Toro in January through March 1996 followed the data collection and data quality procedures described in the *Final Sampling and Analysis Plan* and *Final Quality Assurance Project Plan*, prepared for the GWMP by CDM Federal (1995). Additional plans developed for the groundwater sampling field activities include a *Health and Safety Plan* and an *Investigation-Derived Waste Management Plan* (CDM Federal, 1995). The groundwater data obtained for the MCAS El Toro GWMP are managed according to the plan and procedures provided in the *Final Data Management Plan* (CDM Federal, 1995). These plans were developed to be consistent with the *Final Groundwater Monitoring Plan* (Jacobs, 1995) and the work plans prepared by the CLEAN II team for the Phase II RI (Bechtel National, 1995).

The CDM Federal field sampling, data quality/management plans prepared for the current GMP were reviewed in October 1995 by SWDIV and the California Department of Toxic Substances Control (DTSC), the California Regional Water Quality Control Board, Santa Ana Region (RWQCB), and the U.S. Environmental Protection Agency, Region IX (EPA). Following incorporation of SWDIV and agency comments, the plans were approved and issued as final work plans for the GWMP on November 30, 1995.

1.3 MONITORING WELL NETWORK

The network of groundwater monitoring wells for the MCAS El Toro GWMP include a total of 112 conventional monitoring wells and 8 multiple-level or multiple-port (MP) monitoring wells. Figure 1-2 shows the location of the monitoring wells at MCAS El Toro and off-Station areas. The well network consists of the following groups of wells:

- Phase I RI wells (installed in 1992-1993), including 89 conventional wells and 4 MP wells (BGMP-series, total of 21 sampling ports);
- Wells constructed by Orange County Water District (OCWD) and paid for by the Navy, including 6 conventional wells and 4 MP wells (MCAS-series, total of 30 sampling ports); and
- Wells previously drilled, including 17 conventional wells (designated PS-, RW-, DW-).

Appendix A of this report contains a detailed location map of the groundwater monitoring wells and water supply wells in the study area. A summary table of well completion and specification data for all wells in the GWMP network is provided in Table A-1 (Appendix A). This table has been updated with current well and pump information confirmed during the January-February 1996 sampling round. The monitoring wells are designated by site number, well type, and original ownership as listed on Plate A-1. During the Phase I RI, 22 sites were included for investigation and grouped into three Operable Units (OU-1, OU-2, and OU-3). Subsequent to the Phase I RI, the list of sites was revised to include a total of 23 sites. Appendix A includes an identification table and map of the Phase I RI/FS sites and other summary information, which pertains to the MCAS El Toro GWMP.

1.4 HYDROGEOLOGIC SETTING

A complete discussion and information on the physical setting, hydrogeologic conditions, and hydraulic properties of the aquifer materials and hydrostratigraphic units at MCAS El Toro are

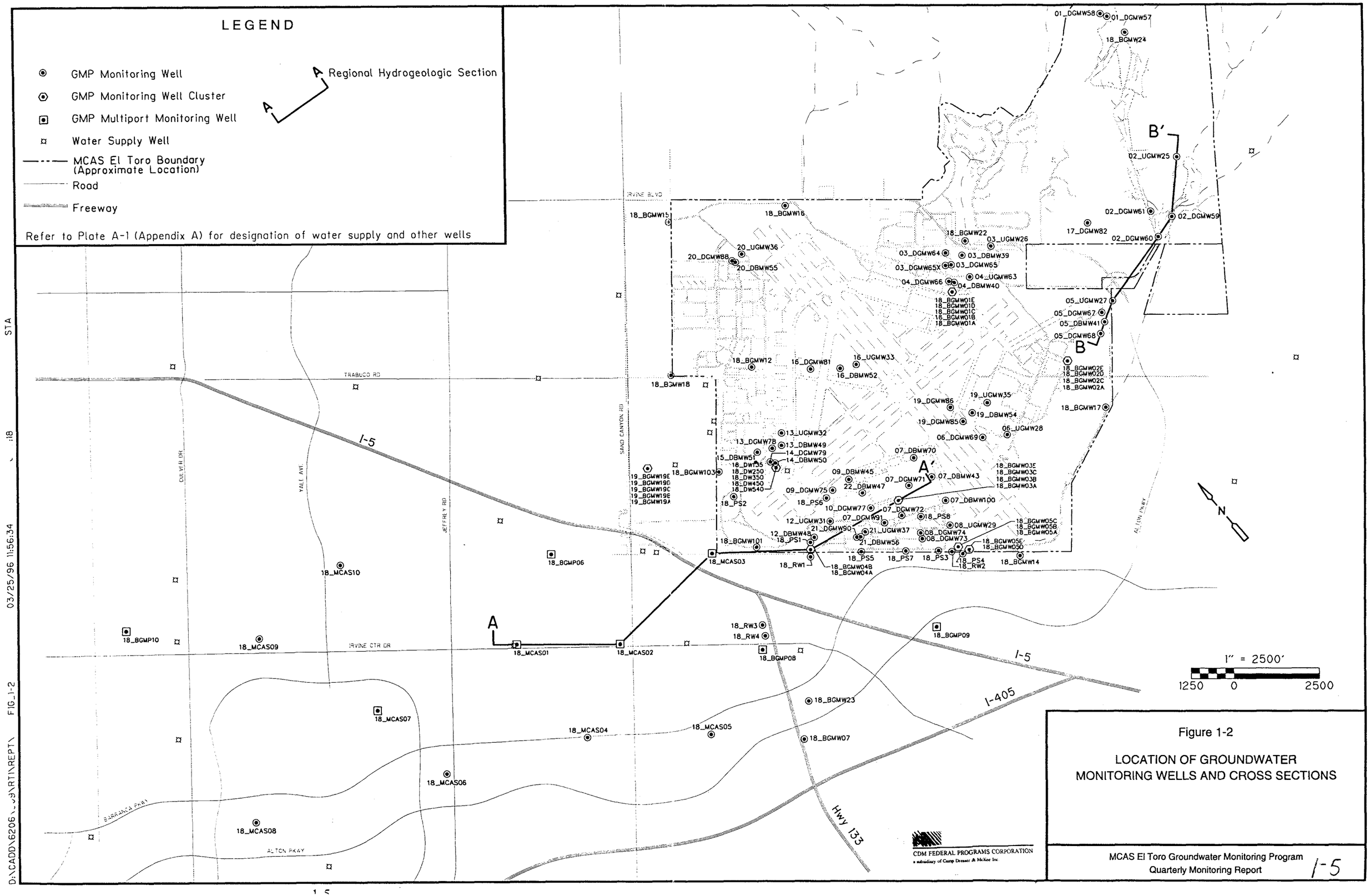


Figure 1-2

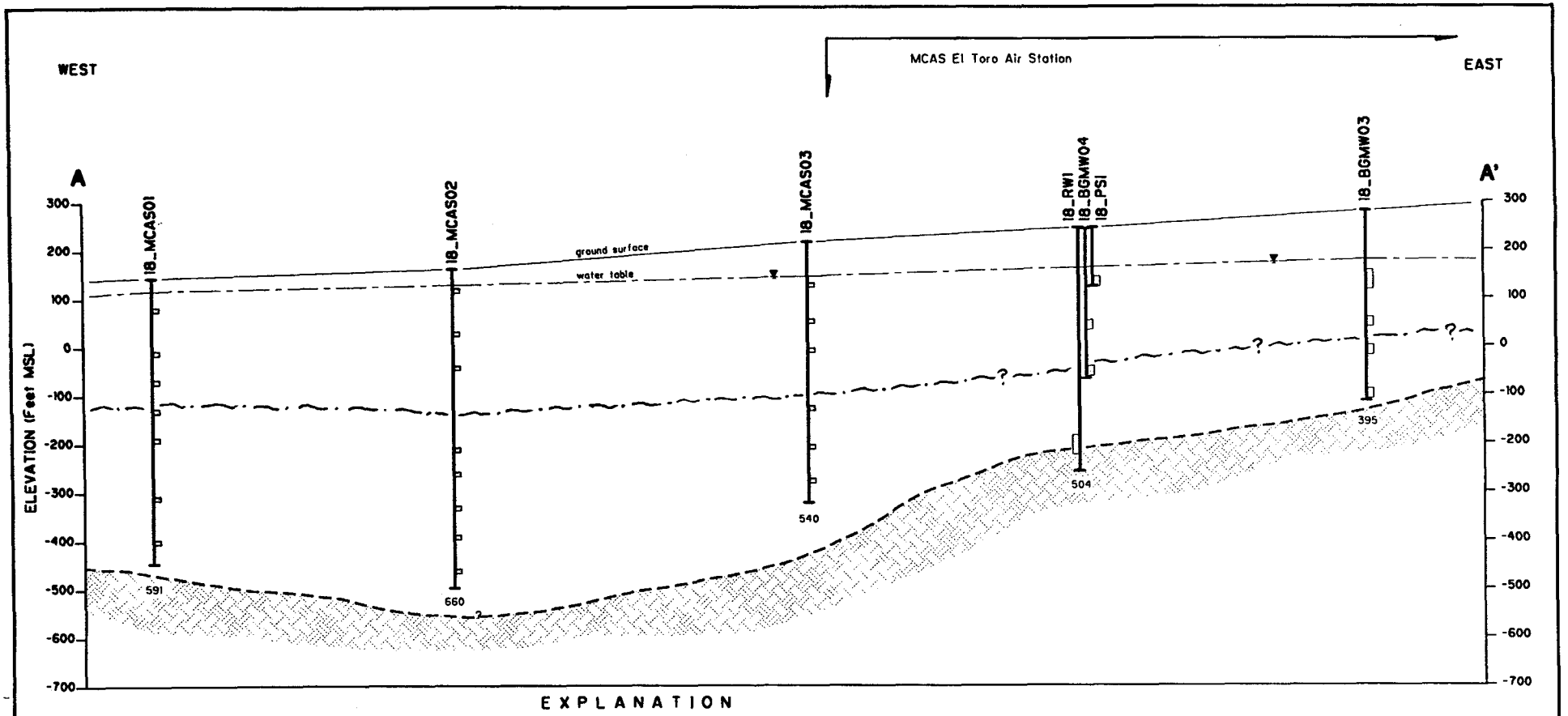
LOCATION OF GROUNDWATER MONITORING WELLS AND CROSS SECTIONS

provided in the *Draft Phase I RI Technical Memorandum* (Jacobs, 1993) and the *Final Groundwater Monitoring Plan* (Jacobs, 1995). The following section is compiled from these sources to provide background on the hydrogeologic setting for this monitoring report.

MCAS El Toro is located in the Irvine groundwater Subbasin and is underlain by unconsolidated alluvial sediments of Holocene and Pleistocene Age. The sediments consist mainly of discontinuous lenses of clayey and silty sand and gravel contained within an assemblage of sandy clay and silt. The depth to groundwater ranges from 45 to 60 feet below ground surface (BGS) in the foothill areas to greater than 240 feet BGS on the northern and eastern portion of the Station. Because the deposits are discontinuous and interbedded, it is not possible to discern separate aquifer units beneath MCAS El Toro. Water level data suggest that vertical hydraulic communication exists among the units and that the unconsolidated sediments form a single heterogeneous aquifer system (Jacobs, 1993). The unconsolidated sediments overlie semiconsolidated low-permeability sediments of Pleistocene Age.

For this report, two regional cross sections have been prepared to illustrate hydrogeologic conditions. Figure 1-2 shows the location of the hydrogeologic sections. Section A-A' is oriented east-west and extends from on-Station at monitoring well cluster 18 BGMW03 to the off-Station MP well 18 MCAS01. In future reports, Section A-A' will incorporate MP well 18 MCAS07. Section B-B' is located in the eastern foothills area of the Station (Figure 1-2).

As shown on Section A-A', groundwater occurs at depths ranging from 110 feet BGS in the southwest portion of the Station to about 30 feet BGS in the off-Station area at MP well 18 MCAS01 (Figure 1-3). In this portion of the study area, two primary hydrostratigraphic units are recognized: the upper water-bearing zone, referred to as the "shallow groundwater unit," and the underlying (deep) production aquifer, referred to as the "principal aquifer." In areas west and downgradient of MCAS El Toro, groundwater is actively pumped from the principal aquifer from municipal, industrial, and irrigation supply wells (production wells are identified on Plate A-1). Groundwater elevation data suggest that hydraulic communication between the



EXPLANATION

Potentiometric surface in upper saturated zone (water table); water levels measured January 1996

Screen interval of monitoring well/monitoring port

660 Total depth of monitoring well, feet BGS

Unconsolidated alluvial sediments (undifferentiated)

Semiconsolidated low-permeability sediments (bedrock)

Approximate boundary between shallow groundwater zones and deeper production aquifer

Estimated contact between geologic units

500 0 1000
HORIZONTAL SCALE IN FEET

Section modified from Phase I RI Tech Memo.

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Figure 1-3
HYDROGEOLOGIC SECTION A-A'

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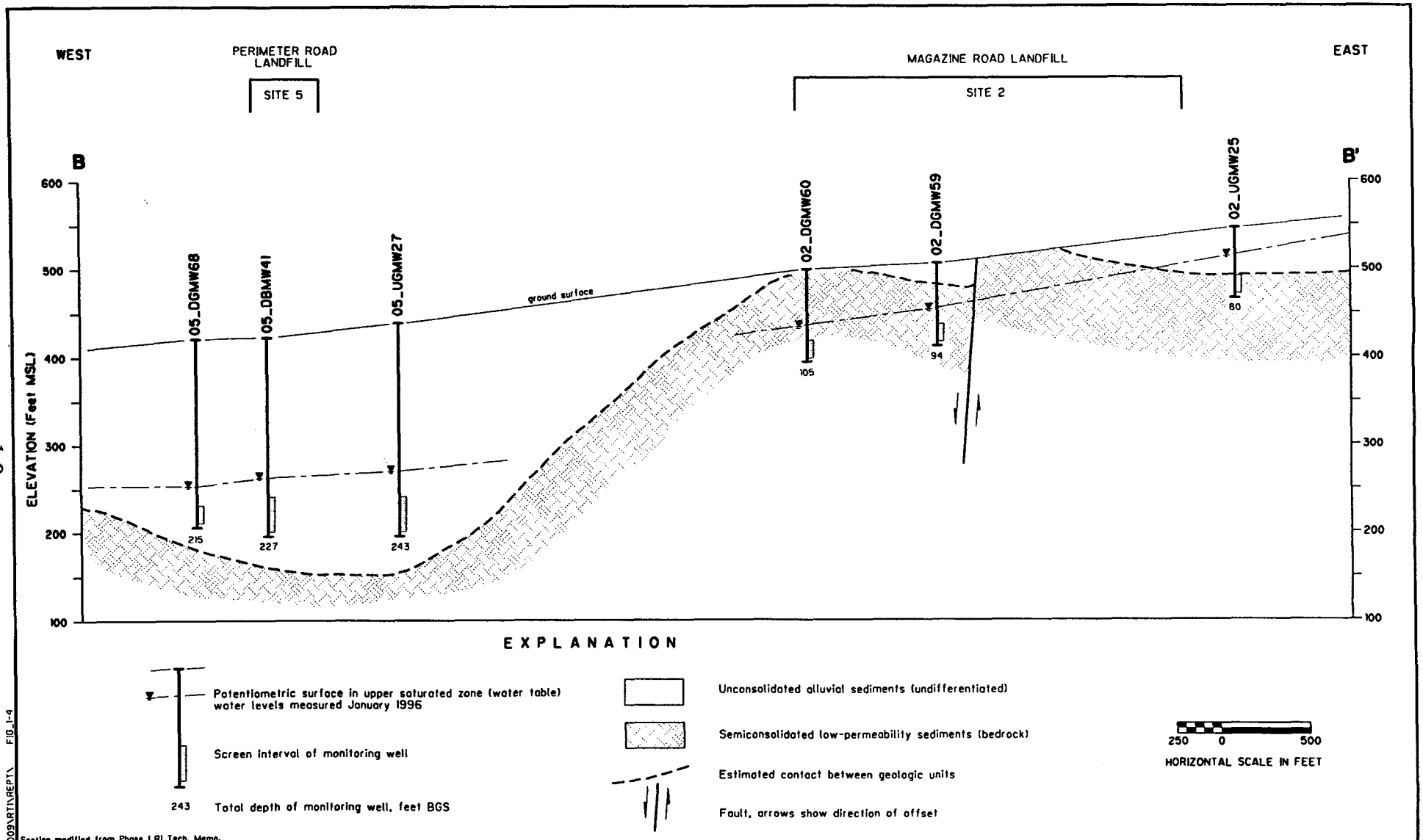
shallow and deep hydrostratigraphic units is generally restricted by an intermediate lower-permeability unit. However, water quality data from the monitoring well network demonstrate that hydraulic connection between the shallow and deep groundwater zones does exist in portions of the study area.

Section B-B' (Figure 1-4) shows monitoring wells at Site 2 (Magazine Road Landfill) and Site 5 (Perimeter Road Landfill) and illustrates hydrogeologic conditions in the foothill and edge-of-basin areas. At Site 2, groundwater occurs at shallow depth (30 to 60 feet BGS) in both the alluvium and semiconsolidated low-permeability (bedrock) sediments. The depth to groundwater increases and the hydraulic gradient decreases in areas where the unconsolidated alluvial sediments thicken, such as Site 5 (Figure 1-4).

1.5 ORGANIZATION OF REPORT

This Quarterly Groundwater Monitoring Report summarizes the monitoring activities and presents the results of water level measurements and chemical analyses for the January-February 1996 groundwater sampling round. The content and organization of this report follow the format described in the *Final Groundwater Monitoring Plan* and guidance entitled *Recommended Content and Presentation for Reporting Hydrogeologic Data During Site Investigations* by the California Base Closure Environmental Committee (CBCEC, 1993). Consistent with these guidance documents, the discussion and evaluation of the groundwater monitoring data and data trends will be addressed in a Final (or Annual) Groundwater Monitoring Report. However, because comprehensive monitoring of the GWMP well network has not been conducted since June-July 1993, a separate data trends and recommendations report has been prepared concurrently with this monitoring round. A *Groundwater Data Trends and Recommendation Report* (CDM Federal, 1996b) is issued under separate cover as a supplement to this January-February 1996 Quarterly Monitoring Report.



Section modified from Phase I RI Tech. Memo.

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Figure 1-4
HYDROGEOLOGIC SECTION B-B'

As part of the groundwater monitoring task, CDM Federal performed data validation of 10 percent of the well sample analyses. The results of the data validation are presented in the *Data Validation Report, January-February 1996 Sampling Event* (CDM Federal, 1996a).

Following this introduction, this report is organized as follows:

- Section 2.0 summarizes the field sampling and data collection activities for the current monitoring round.
- Section 3.0 presents the results of water level measurements from the monitoring well network during the report period.
- Sections 4.0 through 8.0 present the results of groundwater analyses for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides and herbicides, metals, general chemistry, and other analyses completed during this sampling round.
- Section 9.0 summarizes the data quality assessment and quality assurance/quality control (QA/QC) activities associated with this sampling round.
- Section 10.0 provides a summary of the results and a status of the current groundwater monitoring program.
- Appendices A through D include supportive information, groundwater elevation data, and field parameter measurements. Laboratory analytical reports and sampling logs are included in Appendices E and F, respectively (Volume II).

As specified in the *Final Groundwater Monitoring Plan* (Jacobs, 1995), the analytical results of the current round of sampling are to be presented in table format with the prior groundwater sample results, collected 1988 through 1993, for the GWMP wells. Accordingly, a summary table format was developed for presenting the results individually for each of the organic and inorganic types of analyses. Due to the volume of results to be presented, separate sections of this report are devoted to the primary types of analyses. Additional presentation of the available groundwater data for the GWMP monitoring wells/monitoring ports and other wells in the study area is provided in the *Groundwater Quality Data Report* (Jacobs, 1994) developed for the MCAS El Toro RI/FS.

2.0 SUMMARY OF JANUARY-FEBRUARY 1996 SAMPLING ROUND

During January through March 1996, CDM Federal conducted groundwater monitoring and sampling activities at MCAS El Toro as part of the current GWMP. The field activities performed comprise groundwater sampling Round 3, as defined in the *Final Groundwater Monitoring Plan* (Jacobs, 1995) and included the measurement of water levels and the collection and analysis of groundwater samples from 163 monitoring wells/monitoring ports in the MCAS El Toro GWMP. Additionally, a limited field study was performed for selected wells to evaluate potential air entrainment during sampling. The following sections describe the groundwater sampling, analyses, and field activities completed for this monitoring round, and discusses deviations from the *Final Sampling and Analysis Plan* (SAP) (CDM Federal, 1995).

2.1 WATER LEVEL MEASUREMENTS

Depth to water measurements were performed on January 11 and 12, February 27 and 28, and March 27 and 28, 1996. In addition to these measurement surveys, depth to water measurements were made during well sampling. The results of all water level measurements are reported in Appendix B.

Water level measurements conducted on January 11-12 included 149 wells/ports. Field teams could not locate the multi-port wells (18 BGMP10A-F, 18 BGMP06A-E) and three conventional wells (18 MCAS04, 18 MCAS05A, 18 MCAS08), therefore no water level measurements were conducted at these wells.

Water level measurements performed on February 27-28 consisted of 154 wells/ports. Field teams were unable to conduct water level measurements at one multi-port well (18 BGMP10A-F) and three conventional wells (18 MCAS04, 18 MCAS09, 18 MCAS10).

Water level measurements performed on March 27-28 consisted of 158 wells. One well (18 MCAS05A) was inaccessible due to its location in a locked equipment yard off base. Two wells (18 RW3 and 18 RW4) were removed due to construction in the area. One groundwater well (18 DBMW100) was inaccessible due to heavy equipment covering it and one well (17 DBMW82) was buried.

2.2 GROUNDWATER SAMPLING AND ANALYSES

Groundwater samples were collected from all of the 163 monitoring wells/ports proposed for sampling in the *Final Groundwater Monitoring Plan* (Jacobs, 1995) and the SAP (CDM Federal, 1995). Groundwater samples were analyzed for a variety of parameters and are presented in Table 2-1. All samples identified in the SAP were collected and submitted to the laboratory for analysis. Analytical results are presented in Sections 4.0 through 8.0 and laboratory certified analytical reports are included in Volume II - Appendix E. Well sampling logs are provided in Volume II - Appendix F.

The Horiba U-10 Water Quality Checker was used by field teams to collect field parameters during groundwater sampling. Instruments were calibrated daily and performed properly throughout the sampling round. Field parameters measured during purging included temperature, pH, electrical conductivity, turbidity, dissolved oxygen, and redox. Appendix C presents the results of the field parameter measurements. Field teams encountered problems while measuring turbidity. Low total suspended solids (TSS) measurements and clarity of samples at some wells caused the Horiba turbidity readings to register a negative value. Field teams recorded a zero or a negative value when this situation was encountered. A lower calibration solution was used to obtain more accurate readings; however field teams still encountered the negative values.

All 163 monitoring wells/ports were sampled for volatile organic compounds (VOCs) using the U.S. EPA Contract Laboratory Program (CLP) method and included Freon 113 and separate

cis-and trans-1,2 - DCE. Additionally, samples were collected for general chemistry and metals analyses in all 163 wells/ports. To assess whether there are differences in the metals results, both filtered and unfiltered metal samples were collected. As presented in Table 2-1, samples were also collected from selected wells for SVOCs, pesticides, herbicides, and site specific analyses, including gross alpha, gross beta, treatability parameters, explosives, and cyanide.

Groundwater samples were collected daily and transported directly to Applied P & Ch Laboratory in Chino, California for analysis. Samples requiring radioactive analysis were delivered to Truesdail Laboratories in Irvine, California.

Multiple problems were encountered by sampling teams during the purging of wells. Inoperative pumps were identified in over 50% of the wells containing dedicated two-inch and four-inch pumps. The pumps at these wells were removed and subsequent purging of groundwater was accomplished using portable submersible two-inch pumps for those wells with water levels less than 150 feet. A total of 9 wells with inoperative pumps had deeper water levels and had to be purged and sampled using a teflon bailer and speed winch. The following wells were sampled using bailers: 01 DGMW58, 03 DGMW64, 03 DGMW65X, 03 UGMW26, 04 DBMW40, 04 DGMW66, 05 DGMW68, 19 DGMW86, and 20 DBMW55. The activities and findings of the inspection and removal of dedicated pumps are summarized in a field inspection report prepared by the CLEAN II contractor (Bechtel, 1996).

As indicated in the *Final Groundwater Monitoring Plan,* sixteen conventional wells at monitoring well clusters were equipped with dedicated packers. During this sampling round, only two of the sixteen wells with packers performed correctly (see Table A-1, Appendix A). The remaining fourteen conventional monitoring wells contained packers which leaked when pressurized and failed to sustain adequate pressure for purging. These wells were purged and sampled by pump or bailer without the use of packers.

2.3 AIR ENTRAINMENT EVALUATION

DTSC has expressed concern in previous sampling rounds that four-inch constant speed well pumps may cause air bubbles in groundwater samples. Entrained air was observed and noted in groundwater samples during the second round of sampling in 1993. To determine if the four-inch pumps are the cause of air bubbles in groundwater samples, the *Final Groundwater Monitoring Plan* proposed an air entrainment survey on eight wells be conducted. The recommended wells to conduct the air entrainment survey were 18 BGMW101, 18 BGMW05D, 12 UGMW31, 18 BGMW23, 09 DGMW75, 10 DGMW77, 18 BGMW19D, and 07 DBMW100.

As previously stated, problems were encountered in the operation of the dedicated pumps at certain wells. Only two of eight wells could be surveyed for the air entrainment study. The remaining six wells were identified with inoperative pumps and subsequently removed.

Two wells, 18 BGMW101 and 07 DBMW100 were surveyed and evaluated for the presence of air bubbles during purging.

During purging of groundwater, field teams observed the discharged water for the presence of entrained air after a brief period of pump operation. If bubbles were present, field teams varied the discharge rate and pumping water level to eliminate the air entrainment. Observations were noted and recorded on air entrainment data sheets. For the two wells investigated, entrained air bubbles were associated with the discharge from the dedicated four-inch wells pumps. Results of field observations of the air entrainment survey are presented in Appendix D.

2.4 DEVIATIONS FROM GOVERNING DOCUMENTS

Groundwater sampling, analysis and documentation were performed in accordance with CDM Federal's *Sampling and Analysis Plan* (SAP) and *Quality Assurance Project Plan* (QAPP).

The method of recording sampling numbers deviated from that described in the SAP. The SAP states that the first digit of the sample number be used to record which site the sample was taken from (e.g., A is used for Site 1) to eliminate redundancy. During the January and February sampling rounds, the first digit was not recorded because the site number is identified in the sample number.

The following samples and/or analyses, originally specified in the *Final Groundwater Monitoring Plan* and the SAP, were not collected during the current sampling round: 1) a sample for hexavalent chromium was not collected from well 18 BGMW19E; 2) treatability parameter analyses were not reported by the laboratory for the samples from well 07 DBMW100 submitted for analysis; and, 3) gross alpha/gross beta analyses were not reported for the sample from well 05 UGMW68.

Nine wells identified in the SAP as containing dedicated pumps were sampled using a teflon bailer and speed winch. Purging and sampling by bailers were required for these wells because of the depth limitation (150 ft) of the portable submersible pump used by the CDM Federal field team. All other wells, including the Westbay multiple port wells, were sampled according to the SAP.

The cleaning of field vehicles and large equipment deviated from that described in the SAP. The SAP stated that all vehicles and large equipment be steam cleaned before each sampling event. During the January-February 1996 sampling activities, vehicles and large equipment were washed off and steam cleaned as needed.

Table 2-1: GROUNDWATER SAMPLING AND ANALYSES
January-February 1996 Sampling Round -- MCAS El Toro Groundwater Monitoring Program

Station ID	VOCs	SVOCs	Pesticides	Herbicides	Gross Alpha Gross Beta	Metals	General Chemistry	Treatability Parameters	Other Analyses
01_DGMW57	1	1			1	1	1		Explosives
01_DGMW58	1				1	1	1		Explosives
02_DGMW59	1	1	1	1	1	1	1	1	
02_DGMW60	1	1	1	1	1	1	1	1	
02_DGMW61	1	1	1	1	1	1	1	1	
02_UGMW25	1	1	1	1	1	1	1	1	
03_DBMW39	1	1	1	1	1	1	1	1	
03_DGMW64	1	1	1	1	1	1	1	1	
03_DGMW65X	1	1	1	1	1	1	1	1	
03_UGMW26	1	1	1	1	1	1	1	1	
04_DBMW40	1	1	1	1	1	1	1	1	
04_DGMW66	1	1	1	1	1	1	1	1	
04_UGMW63	1	1	1	1	1	1	1	1	
05_DBMW41	1	1	1	1	1	1	1	1	
05_DGMW67	1	1	1	1	1	1	1	1	
05_DGMW68	1	1	1	1	1	1	1	1	
05_UGMW27	1	1	1	1	1	1	1	1	
06_DGMW69	1	1				1	1		
06_UGMW28	1	1				1	1		
07_DBMW43	1					1	1		
07_DGMW70	1					1	1		
07_DBMW71	1					1	1		
07_DGMW72	1	1				1	1	1	
07_DGMW91	1					1	1	1	
07_DBMW100	1					1	1	1	
08_DGMW73	1	1	1			1	1	1	
08_DGMW74	1	1	1			1	1	1	
08_UGMW29	1	1	1			1	1		
09_DBMW45	1					1	1	1	
09_DGMW75	1					1	1	1	
10_DGMW77	1	1				1	1	1	
12_DBMW48	1	1		1		1	1		Total Cyanide
12_UGMW31	1	1		1		1	1		Total Cyanide
13_DBMW49	1	1				1	1	1	
13_DGMW78	1	1				1	1	1	
13_UGMW32	1	1				1	1	1	
14_DBMW50	1	1				1	1	1	
14_DGMW79	1	1				1	1	1	
15_DBMW51	1	1				1	1	1	
16_DBMW52	1	1				1	1	1	
16_DGMW81	1	1				1	1	1	
16_UGMW33	1	1				1	1		
17_DGMW82	1	1	1	1	1	1	1	1	
18_BGMP06A	1					1	1		
18_BGMP06B	1					1	1		
18_BGMP06C	1					1	1		
18_BGMP06D	1					1	1		
18_BGMP06E	1					1	1		
18_BGMP08A	1					1	1		
18_BGMP08B	1					1	1		
18_BGMP08C	1			1		1	1		
18_BGMP08D	1					1	1		
18_BGMP09A	1					1	1		
18_BGMP09B	1					1	1		
18_BGMP09C	1					1	1		
18_BGMP09D	1					1	1		
18_BGMP09E	1					1	1		
18_BGMP09F	1					1	1		

Table 2-1: GROUNDWATER SAMPLING AND ANALYSES
January-February 1996 Sampling Round -- MCAS El Toro Groundwater Monitoring Program

Station ID	VOCs	SVOCs	Pesticides	Herbicides	Gross Alpha Gross Beta	Metals	General Chemistry	Treatability Parameters	Other Analyses
18_BGMP10A	1					1	1		
18_BGMP10B	1	1				1	1		
18_BGMP10C	1					1	1		
18_BGMP10D	1	1				1	1		
18_BGMP10E	1					1	1		
18_BGMP10F	1					1	1		
18_BGMW01A	1	1				1	1		
18_BGMW01B	1	1				1	1		
18_BGMW01C	1	1				1	1		
18_BGMW01D	1	1				1	1		
18_BGMW01E	1	1	1			1	1		
18_BGMW02A	1	1		1		1	1		
18_BGMW02C	1					1	1		
18_BGMW02D	1	1				1	1		
18_BGMW02E	1	1				1	1		
18_BGMW03A	1					1	1		
18_BGMW03B	1	1				1	1		
18_BGMW03C	1	1				1	1		
18_BGMW03E	1					1	1	1	
18_BGMW04A	1					1	1		
18_BGMW04B	1	1				1	1		
18_BGMW05A	1	1				1	1		
18_BGMW05B	1					1	1		
18_BGMW05C	1	1				1	1		
18_BGMW05D	1					1	1		
18_BGMW07	1					1	1		
18_BGMW12	1					1	1		
18_BGMW14	1					1	1		
18_BGMW15	1	1				1	1		
18_BGMW16	1	1		1		1	1		
18_BGMW17	1					1	1		
18_BGMW18	1					1	1		
18_BGMW19A	1					1	1		
18_BGMW19B	1	1				1	1		
18_BGMW19C	1	1	1			1	1		
18_BGMW19D	1					1	1		
18_BGMW19E	1		1			1	1		
18_BGMW22	1	1				1	1		
18_BGMW23	1					1	1		
18_BGMW24	1					1	1		
18_BGMW101	1	1				1	1		
18_DW135	1					1	1	1	
18_DW250	1	1				1	1		
18_DW350	1	1				1	1		
18_DW450	1	1				1	1		
18_DW540	1	1				1	1		
18_MCAS01-1	1					1	1		
18_MCAS01-2	1					1	1		
18_MCAS01-3	1					1	1		
18_MCAS01-4	1					1	1		
18_MCAS01-5	1					1	1		
18_MCAS01-6	1					1	1		
18_MCAS01-7	1					1	1		
18_MCAS02-1	1					1	1		
18_MCAS02-2	1					1	1		
18_MCAS02-3	1					1	1		
18_MCAS02-4	1					1	1		
18_MCAS02-5	1					1	1		
18_MCAS02-6	1					1	1		

Table 2-1: GROUNDWATER SAMPLING AND ANALYSES
January-February 1996 Sampling Round -- MCAS El Toro Groundwater Monitoring Program

Station ID	VOCs	SVOCs	Pesticides	Herbicides	Gross Alpha Gross Beta	Metals	General Chemistry	Treatability Parameters	Other Analyses
18_MCAS02-7	1					1	1		
18_MCAS02-8	1					1	1		
18_MCAS03-1	1					1	1		
18_MCAS03-2	1	1				1	1		
18_MCAS03-3	1	1				1	1		
18_MCAS03-4	1					1	1		
18_MCAS03-5	1					1	1		
18_MCAS03-6	1					1	1		
18_MCAS04	1	1				1	1		
18_MCAS05A	1	1				1	1		
18_MCAS06	1	1				1	1		
18_MCAS07-1	1					1	1		
18_MCAS07-2	1					1	1		
18_MCAS07-3	1					1	1		
18_MCAS07-4	1					1	1		
18_MCAS07-5	1					1	1		
18_MCAS07-6	1					1	1		
18_MCAS07-7	1	1				1	1		
18_MCAS07-8	1	1				1	1		
18_MCAS07-9	1	1				1	1		
18_MCAS08	1	1				1	1		
18_MCAS09	1	1				1	1		
18_MCAS10	1	1				1	1		
18_PS1	1					1	1		
18_PS2	1	1				1	1		
18_PS3	1					1	1		
18_PS4	1					1	1		
18_PS5	1	1				1	1		
18_PS6	1					1	1		
18_PS7	1	1	1			1	1		
18_PS8	1	1				1	1		
18_RW1	1	1		1		1	1		
18_RW2	1	1				1	1		
18_RW3	1					1	1		
18_RW4	1					1	1		
19_DBMW54	1					1	1	1	
19_DGMW85	1					1	1	1	
19_DGMW86	1					1	1		
19_UGMW35	1					1	1	1	
20_DBMW55	1	1				1	1	1	
20_DGMW88	1	1				1	1		
20_UGMW36	1					1	1		
21_DBMW56	1					1	1		
21_DGMW90	1					1	1		
21_UGMW37	1					1	1		
22_DBMW47	1	1				1	1	1	
Total	163	80	23	22	18	163	163	39	

ANALYTICAL PARAMETERS:

1. Volatile organic compounds (VOCs) by CLP-VOC Method; plus cis- and tran- 1,2-DCE results.
2. Semivolatile organic compounds (SVOCs) by CLP-SVOC Method.
3. Organic Pesticides and PCBs by CLP Method.
4. Chlorinated Herbicides by EPA Method 8150.
5. Gross Alpha/Gross Beta (GA/GB) by EPA Method 900.
6. Metals (Target Analyte List) by CLP Methods; includes both filtered and unfiltered samples.
7. General Chemistry includes Nitrate/Nitrite-N, Chloride, Sulfate, Carbonate, Bi-carbonate, and Alkalinity.
8. Treatability Parameter includes Chemical Oxygen Demand(COD), Total Organic Carbon(TOC), Ammonia-Nitrogen, Phosphate, Silica(dissolved) Strontium, Radon, Total Suspended Solids(TSS), and Color.

3.0 RESULTS OF WATER LEVEL MEASUREMENTS

Water level measurements were collected in January, February, and March 1996 during the recent groundwater monitoring period to obtain groundwater elevation data to evaluate hydraulic gradient/groundwater flow conditions at MCAS El Toro. This section presents the groundwater elevation results and provides potentiometric elevation contour maps for the shallow groundwater unit and the principal aquifer. Evaluation and discussion of the potentiometric data are provided in the *Groundwater Data Trends and Recommendations Report* (CDM Federal, 1996b).

The water level measurements and corresponding groundwater elevations for the GWMP wells during the January through March 1996 monitoring period are listed in Table B-1, included in Appendix B of this report. It is significant to note that evidence of lighter than water, non-aqueous phase liquids (i.e., free product) was not observed in any of the wells monitored/sampled during this period.

3.1 SHALLOW GROUNDWATER UNIT

The potentiometric data for the shallow groundwater unit are obtained primarily from those wells identified in Table B-1 under "well type" as water table (WT) monitoring wells/monitoring ports. During the monitoring period January through March 1996, the elevation of groundwater in the shallow zone wells generally increased, on the order of 0.5 to 1.0 feet. This trend of increasing water levels presumably is related to the recent precipitation/storm events, which occurred during the monitoring period in February-March, 1996.

A potentiometric elevation map for the shallow groundwater unit in January 1996 is shown in Figure 3-1. Consistent with previous data presented in the *Final Groundwater Monitoring Plan*, the hydraulic gradient is steepest, averaging 0.033 feet/foot (ft/ft), in the foothill and

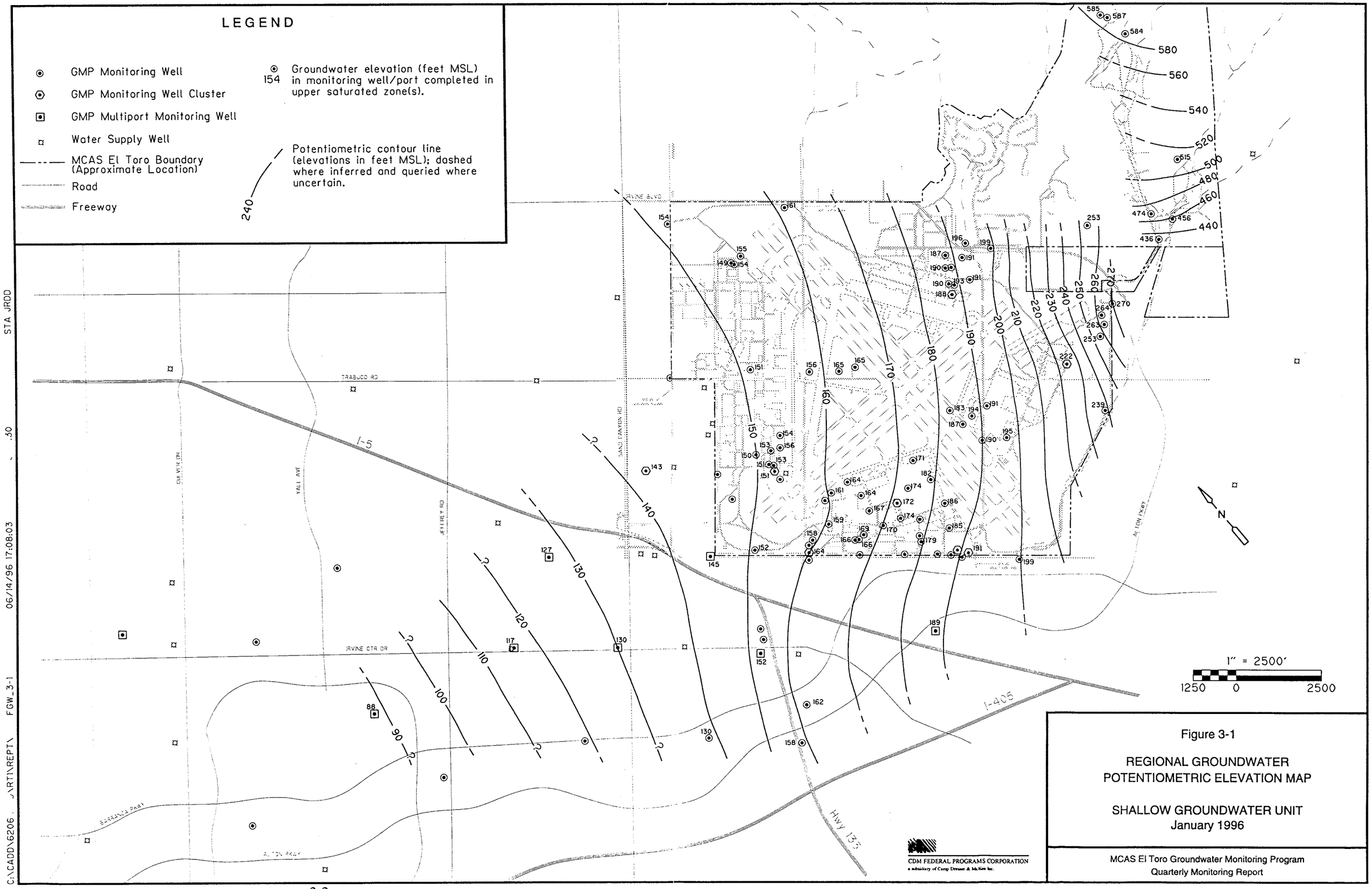

Figure 3-1

REGIONAL GROUNDWATER POTENTIOMETRIC ELEVATION MAP

SHALLOW GROUNDWATER UNIT
January 1996

MCAS El Toro Groundwater Monitoring Program
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edge-of-basin areas (eastern portion of the Station). The gradient decreases to an average 0.006 ft/ft in the central and western portions of the Station and to an average of 0.004 ft/ft in the downgradient area to the west. The direction of groundwater flow in the shallow unit is primarily to the northwest beneath the Station and to the west in the downgradient area (Figure 3-1).

3.2 PRINCIPAL AQUIFER

The results of water level measurements and corresponding groundwater elevations for the GWMP monitoring wells completed in the principal aquifer are listed in Table B-1 (Appendix B). The potentiometric data for the principal aquifer during the recent monitoring period were obtained from primarily those wells with well screen completions/measurement ports installed at depths generally below 350 ft BGS as listed in Table B-1. During the monitoring period January through March 1996, the elevation of groundwater in the principal aquifer monitoring wells generally increased, on the order of 0.8 to 1.5 ft. However, pronounced short-term fluctuations in water levels are evident in the deeper well monitoring data over the three-month period (Table B-1) most likely due to the effects of nearby pumping from water supply wells.

A potentiometric elevation map for the principal aquifer in January 1996 is shown in Figure 3-2. Consistent with previous data presentation in the *Final Groundwater Monitoring Plan*, only the deeper monitoring wells/ports in the southwestern portion of the study area are used to prepare the potentiometric surface map for the principal aquifer. The indicated horizontal hydraulic gradient ranges from about 0.007 ft/ft in the on-Station area to 0.004 ft/ft in the downgradient area to the west. The direction of groundwater flow in the principal aquifer is primarily to the west beneath the southwest boundary of the Station and in the downgradient area (Figure 3-2).

Review of the groundwater elevation data for the shallow groundwater unit and principal aquifer indicates that the potentiometric surfaces for these hydrostratigraphic units are

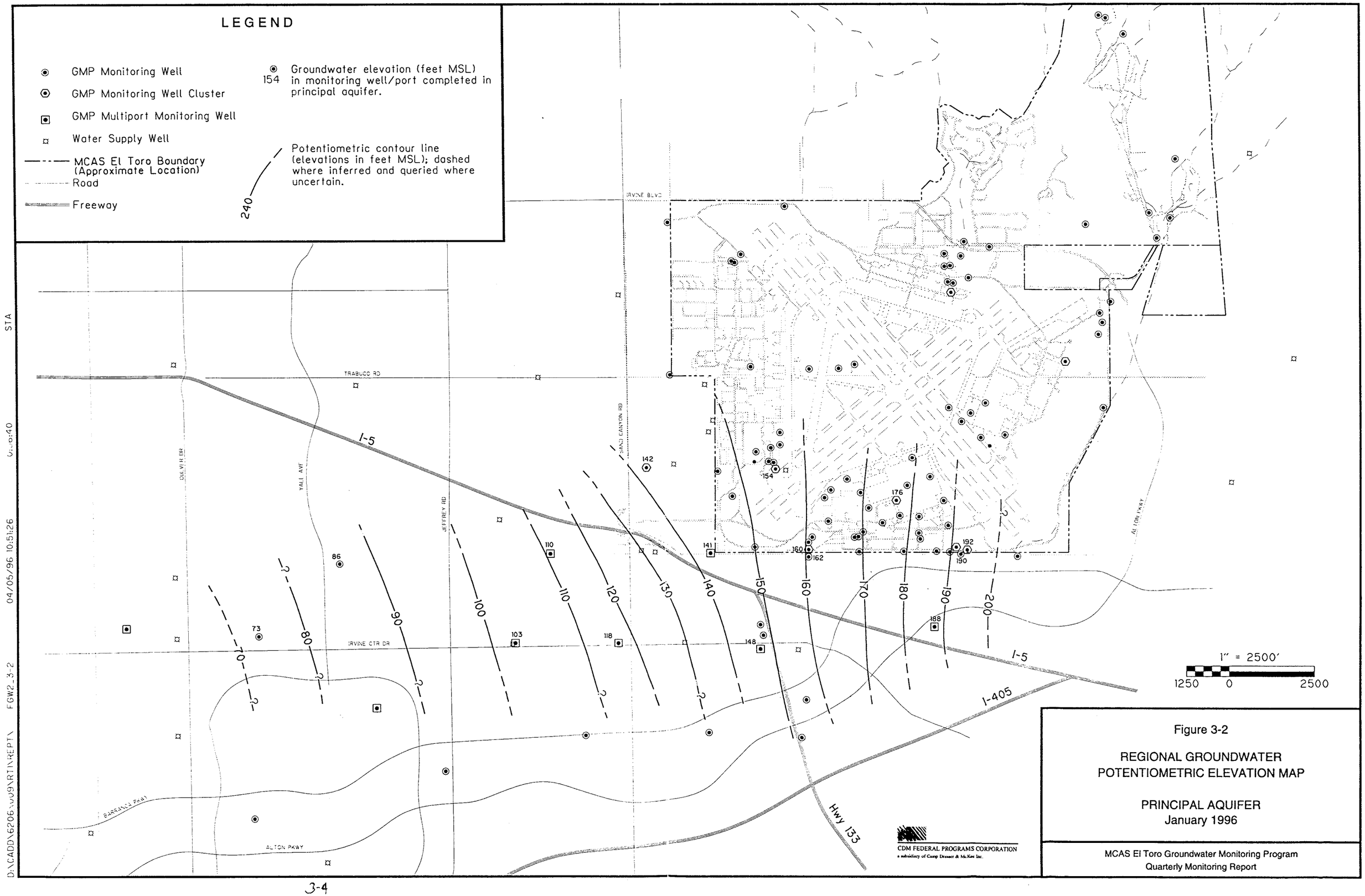

Figure 3-2

REGIONAL GROUNDWATER POTENTIOMETRIC ELEVATION MAP

PRINCIPAL AQUIFER
January 1996

MCAS El Toro Groundwater Monitoring Program
Quarterly Monitoring Report

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comparable in terms of both elevation and gradient. This observation is consistent with prior groundwater monitoring data (Jacobs, 1995) and is discussed in the *Groundwater Data Trends and Recommendations Report* (CDM Federal, 1996b).

4.0 VOLATILE ORGANIC COMPOUND ANALYSES

During the January-February 1996 sampling round, groundwater samples were collected from all 163 monitoring wells/monitoring ports in the MCAS El Toro GWMP and analyzed for volatile organic compounds (VOCs) included under the CLP Target Compound List (TCL). This section presents the results of VOC analyses from the current sampling round and briefly discusses the distribution of the primary VOCs of concern.

4.1 AREAS OF VOC CONTAMINATION

The primary contamination found in groundwater beneath MCAS El Toro consists of chlorinated VOCs; predominantly trichloroethylene (TCE), tetrachloroethylene (PCE), and their potential transformation products (1,2-DCE and 1,1-DCE), and carbon tetrachloride (CCl_4) (Jacobs, 1995). Additional VOCs commonly detected in groundwater include benzene and other aromatic hydrocarbons: toluene, ethyl benzene, and xylenes (collectively referred to as BTEX). As documented in the *Draft Phase I RI Technical Memorandum*, the BTEX compounds are associated with petroleum hydrocarbon (gasoline and diesel fuel) releases.

Based on the initial Station-wide groundwater sampling conducted during the Phase I RI (sampling rounds in 1992-1993), the following general areas of VOC contamination have been delineated at MCAS El Toro:

- Main VOC Plume; characterized primarily by TCE, PCE, CCl_4, and related VOCs, which are present in groundwater beneath the southwest area of the Station. The area of TCE contamination extends downgradient to the west beyond the Station by approximately 3 miles.
- Site 2 VOC Plume; which comprises a relatively small area of VOC-impacted groundwater at Site 2 (Magazine Road Landfill) characterized by TCE and PCE.
- Fuel Hydrocarbon Plume(s), Site 3/4 and Sites 13 and 15; in areas near fuel storage facilities where gasoline, diesel, and BTEX compounds have been detected in groundwater.

The results of VOC groundwater analyses for the current sampling round are presented in Table 4-1. The table lists the results (current and prior rounds) for the primary group of detected VOCs for all monitoring wells/ports in the MCAS El Toro GWMP. Table 4-1 also lists other TCL VOCs detected during sampling and the regulatory drinking water standards for the commonly detected VOCs.

For the VOC analyses, the laboratory reported cis-1,2-dichloroethene (DCE) and trans-1,2-DCE separately. Cis-1,2-DCE was detected in three samples (maximum concentration of 9 μg/L in the sample from Well 18 MCAS07-4). Trans-1,2-DCE was not detected above the contract required detection limit (CRDL) in any samples analyzed.

The following sections briefly describe the distribution of the primary VOCs of concern.

4.2 TRICHLOROETHYLENE (TCE)

A map showing concentration of TCE in groundwater for the current sampling round is presented in Figure 4-1. This isoconcentration map was prepared using the maximum reported concentration of TCE detected in samples from any depth at each well or well cluster/MP monitoring station. Contours are shown for TCE concentrations of 5, 15, 50, and 500 micrograms per liter (μg/L); contour lines are dashed where inferred and queried where uncertain. Refer to Figure 1-2 for identification of the monitoring wells where the samples were obtained.

The highest concentrations of TCE were found in samples from the following monitoring wells in the Main VOC Plume: Well 9 DBMW45 (679 μg/L), Well 22 DBMW47 (467 μg/L), Well 9 DBMW75 (293 μg/L), and Well 18 BGMW3E (139 μg/L). As indicated in Table 4-1, these concentrations are generally lower than TCE concentrations reported from samples collected at these wells in 1992-93. The maximum concentrations detected off-Station were at MP wells

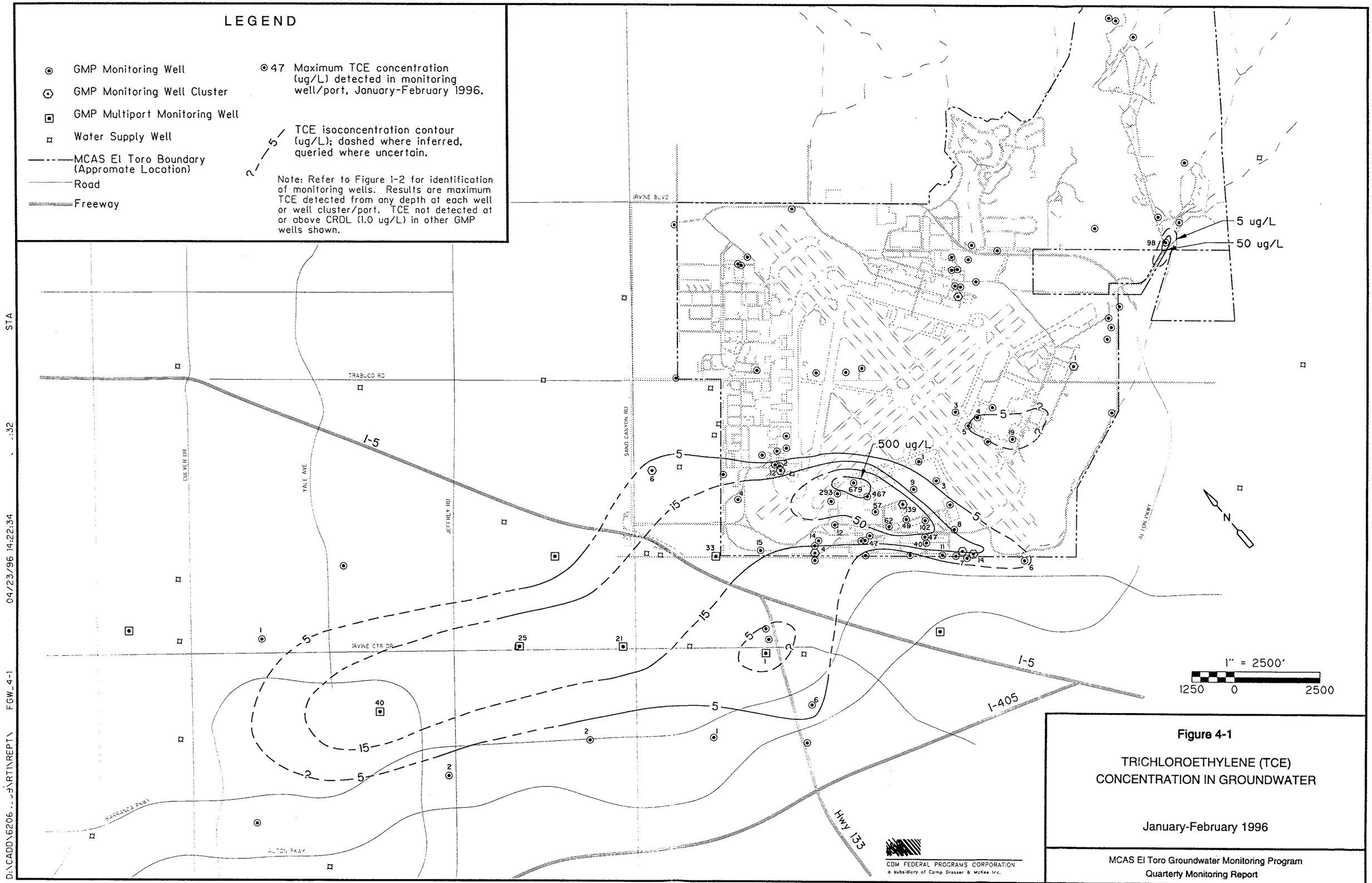

Figure 4-1

TRICHLOROETHYLENE (TCE) CONCENTRATION IN GROUNDWATER

January-February 1996

MCAS El Toro Groundwater Monitoring Program
Quarterly Monitoring Report

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18 MCAS07-3 (40 μg/L), 18 MCAS03-2 (33 μg/L), 18 MCAS01-6 (25 μg/L), and 18 MCAS02-5 (21 μg/L).

TCE was found in two other areas outside of the Main VOC Plume: at Well 2 DGMW60 (Magazine Road Landfill) and in a group of wells at Site 6 and Site 19 (Figure 4-1). The TCE concentrations found in wells at these sites during the current sampling round ranged from 19 to 3 μg/L. The maximum concentration detected at these locations in 1992-93 was 0.8 μg/L (Table 4-1).

4.3 TETRACHLOROETHYLENE (PCE)

A map showing concentration of PCE in groundwater for the January-February 1996 sampling round is presented in Figure 4-2. Contours are shown for PCE concentrations of 1 and 5 μg/L; contour lines are dashed where inferred and queried where uncertain. Although the laboratory CRDL for PCE is 1.0 μg/L, the 1 μg/L contour is included to delineate the general area of PCE groundwater impact. As shown in Figure 4-2, the maximum PCE concentration in groundwater was found in the sample from Well 2 DGMW61 (14 μg/L). The maximum detected PCE concentration in the Main VOC Plume was 9 μg/L at wells 18 BGMW05D and 18 PS8. Excluding a low detection of 1.0 μg/L at MP Well 18 MCAS03-2, PCE was not detected in any groundwater samples collected from off-Station wells.

4.4 CARBON TETRACHLORIDE

A map showing concentration of carbon tetrachloride in groundwater for the January-February 1996 sampling round is presented in Figure 4-3. As shown in this map, the highest concentrations of carbon tetrachloride were found in wells 18 DW135 (10 μg/L) and 14 DBMW50 (8 μg/L). The concentrations detected during the current sampling of these wells are substantially lower than results reported for prior sampling in 1992-93 (Table 4-1). Consistent with prior sampling, carbon tetrachloride was not detected in any groundwater

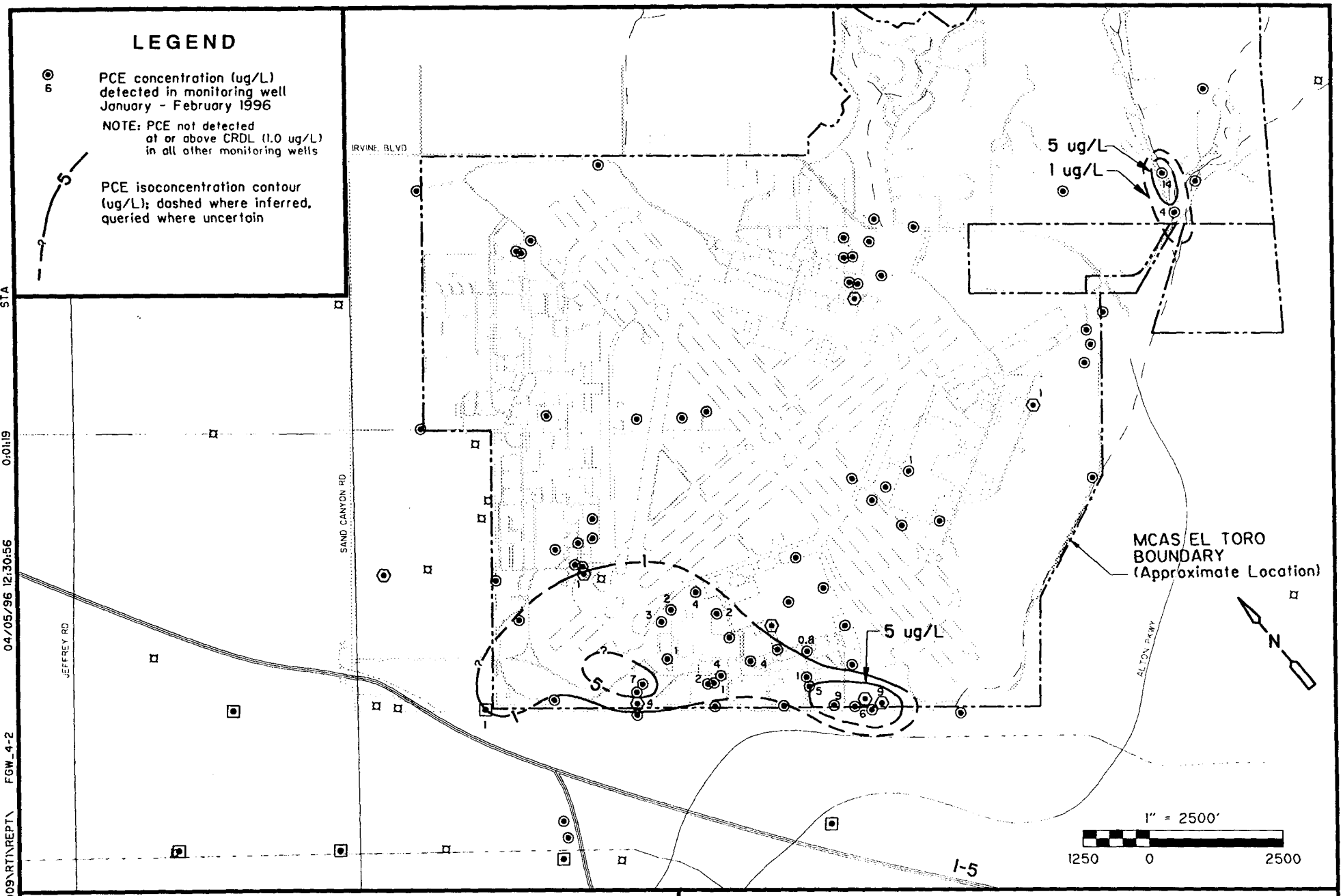

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Figure 4-2
TETRACHLOROETHYLENE (PCE) CONCENTRATION IN GROUNDWATER
January - February 1996

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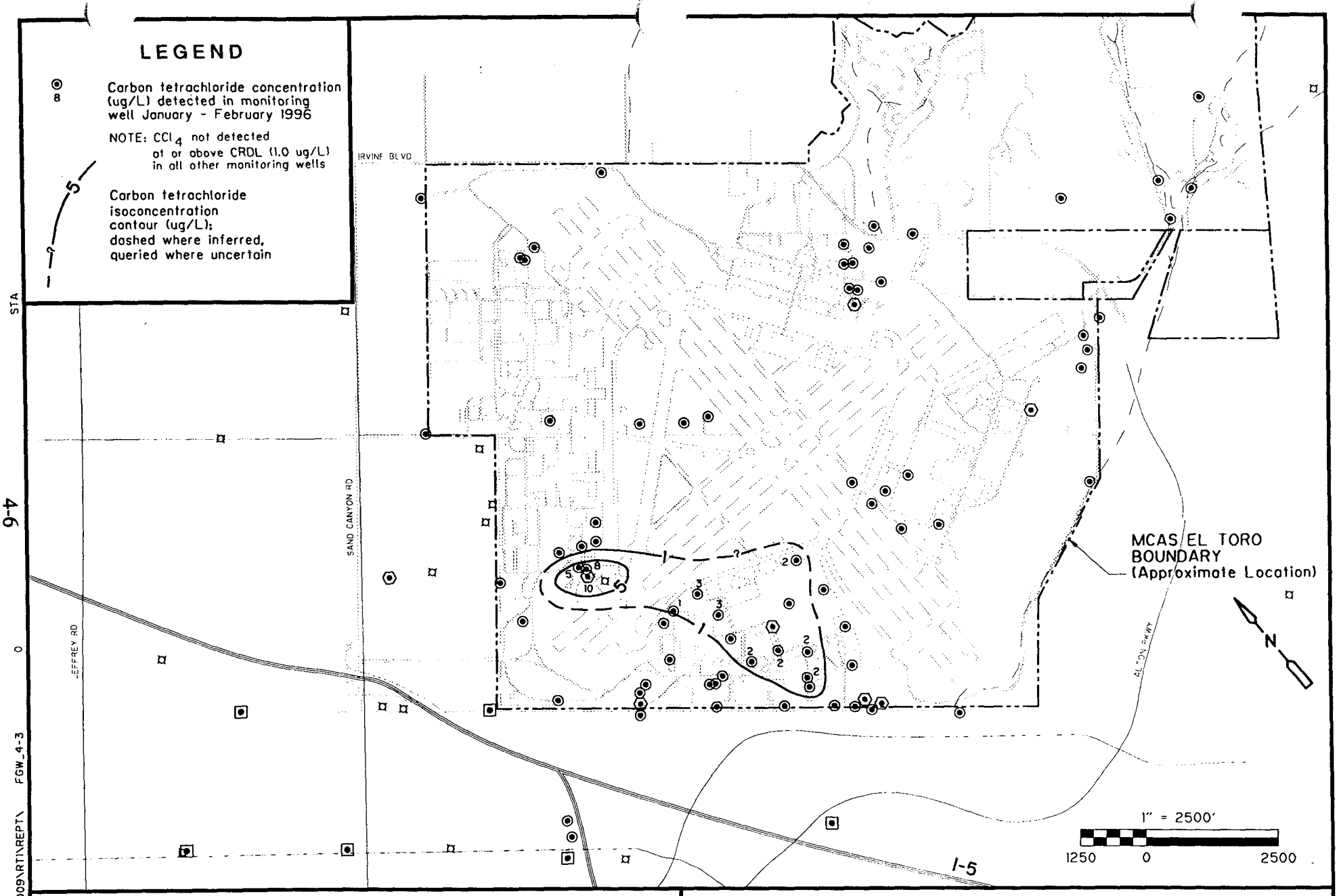

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CDM FEDERAL PROGRAMS CORPORATION
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Figure 4-3
CARBON TETRACHLORIDE CONCENTRATION IN GROUNDWATER
January - February 1996

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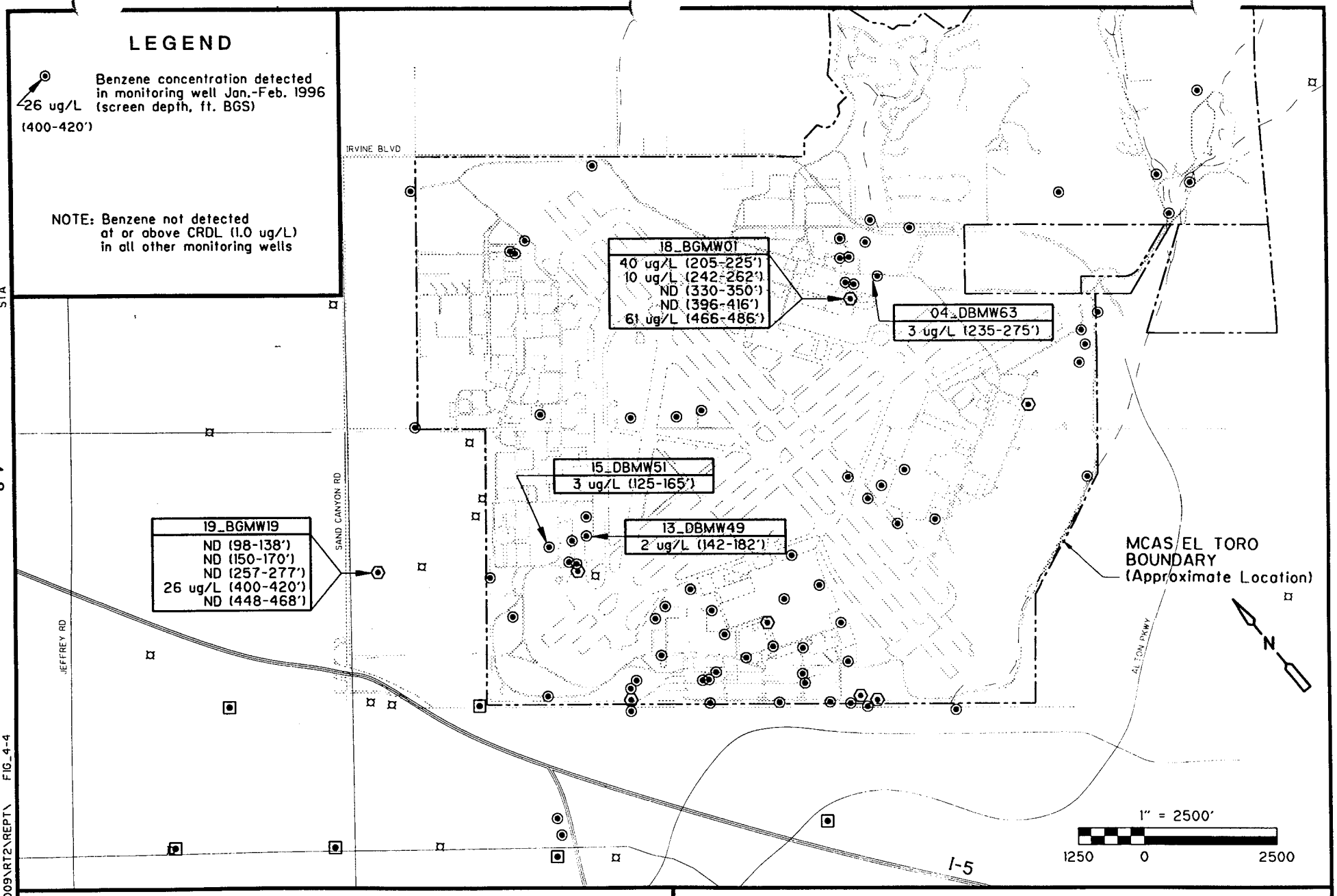
samples collected from off-Station wells or in other on-Station wells outside of the Main VOC Plume.

4.5 BENZENE AND OTHER AROMATIC HYDROCARBONS

One or more of the BTEX hydrocarbons were detected at generally low concentrations in a total of 45 samples collected during the current sampling round (Table 4-1). Benzene was detected in a total of 7 samples from wells in the areas of suspected fuel hydrocarbon releases (Site 3/4, Site 13, and Site 15). Figure 4-4 shows the location and depth of groundwater samples where benzene was detected. It is presumed that benzene serves as an indicator of the extent of the dissolved fuel hydrocarbon contamination at these sites.

Benzene was found at low concentrations (≤ 3 μg/L) in samples from the water table in wells 4 DBMW63, 13 DBMW49, and 15 DBMW51. The maximum concentration of benzene in the shallow groundwater zone was found in Well 18 BGMW01E (40 μg/L). These concentrations are substantially lower than results reported from prior sampling in 1992-93 (Table 4-1).

Benzene was detected in samples from the following two deep zone monitoring wells during the current sampling round: 18 BGMW01A (61 μg/L) and 18 BGMW19B (26 μg/L) (Figure 4-4). Benzene had not been detected in the lower three wells at well cluster 18 BGMW01 or in any well at 18 BGMW19 (Table 4-1).



MCAS El Toro Groundwater Monitoring Program
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Figure 4-4
BENZENE CONCENTRATION IN GROUNDWATER
January - February 1996

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Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent. Qual. Flag
01_DGMW57	83	12-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.7 J	1.0 U	1.0 U	1.0 U	1.0 U		
		14-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		7-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
01_DGMW58	77	14-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.7 J	1.0 U	1.0 U	1.0 U	1.0 U		
		14-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		28-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
02_DGMW59	89	15-Dec-92	0.6 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		23-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		6-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
02_DGMW59 (D)		6-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
02_DGMW60	100	18-Nov-92	82.0 E	8.0	1.0 U	1.0 U	8.0	6.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1,2-DICHLOROETHANE	0.9 J
		23-Jun-93	61.0 D	6.0	1.0 U	1.0 U	5.0	5.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1,1,2-TRICHLOROETHANE	2.0
		23-Jun-93												1,2-DICHLOROETHANE	0.6 J
		6-Feb-96	98.0	4.0	1.0 U	1.0 U	1.0	6.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1,1,2-TRICHLOROETHANE	2.0
02_DGMW60 (D)		6-Feb-96	98.0	3.0	1.0 U	1.0 U	0.8 J	5.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1,1,2-TRICHLOROETHANE	2.0
02_DGMW61	100	14-Dec-92	1.0	2.0	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		22-Jun-93	2.0	4.0	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		8-Feb-96	1.0 U	14.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
02_UGMW25	75	12-Sep-92	0.9 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		22-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		7-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
03_DBMW39	270	10-Sep-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.6 J	3.0	1.0 U	1.0 U	1.0 U	1.0 U		
		21-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.8 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		30-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
03_DGMW64	285	15-Jan-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		6-Feb-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		26-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
03_DGMW65X	270	18-Jan-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0	2.0 U	1.0 U	1.0 U	1.0 U	0.8 J	FREON 113	7.0 JN
		7-Jul-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		26-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Qual. Flag Concent.
03_UGMW26	270	10-Jan-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		23-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		27-Feb-96	0.3 J	0.6 J	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
04_DBMW40	260	12-Mar-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2-HEXANONE	7.0
		24-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	4.0	1.0 U	1.0 U	3.0		
		26-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
04_DGMW66	290	14-Jan-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		24-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		26-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
04_UGMW63	275	24-Nov-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	3.0	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	2.0
		25-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	4.0	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	0.6 J
		30-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	3.0	1.0 U	1.0 U	1.0 U		
05_DBMW41	222	16-Nov-92	1.0 U	0.8 J	1.0 U	1.0 U	1.0 U	1.0 U	2.0 J	1.0 U	1.0 U	1.0 U	1.0 U		
		20-Oct-93	1.0 U	0.7 J	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		7-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
05_DGMW67	227	30-Nov-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 J	0.3 J	1.0 U	1.0 U	1.0 U		
		6-Mar-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.7 J	1.0 U	1.0 U	1.0 U	1.0 U		
		9-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
05_DGMW68	210	17-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	0.5 J
		29-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		27-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
05_UGMW27	238	12-Mar-92	0.6 J	0.9 J	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		6-Mar-93	0.6 J	0.8 J	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
06_DGMW69	190	12-Feb-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1,1,1-TRICHLOROETHANE	0.4 J
		7-Jul-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		2-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
06_UGMW28	180	13-Nov-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 J	1.0 U	1.0 U	1.0 U	1.0 U	FREON 113	15.0 JN
		7-Sep-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	FREON 113	17.0 JN
		16-Feb-96	19.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Qual. Flag Concent.
07_DBMW100	171	8-Dec-92	1.0 U	1.0 U	0.6 J	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		4-Jun-93	1.0 U	1.0 U	0.6 J	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		31-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
07_DBMW43	190	12-Jan-92	1.0 U	1.0 U	0.3 J	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		19-Feb-96	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
07_DBMW70	165	12-Aug-92	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	2.0
		29-Jun-93	1.0 U	1.0 U	4.0	1.0 U	1.0 U	0.9 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		13-Feb-96	1.0	1.0 U	2.0	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	6.0	1.0 U	1.0 U		
07_DGMW71	155	15-Dec-92	23.0	1.0 U	1.0 U	0.7 J	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		22-Jun-93	21.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		13-Feb-96	9.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	3.0	1.0 U	1.0 U		
07_DGMW72	150	19-Nov-92	120.0 E	2.0	3.0	1.0 U	1.0 U	4.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		21-Jul-93	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 J	1.0 U	1.0 U	1.0 U	1.0 U	1,1,1-TRICHLOROETHANE	0.5 J
		15-Oct-93	100.0 D	2.0	4.0	1.0 U	1.0 U	4.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		13-Feb-96	49.0	1.0 U	2.0	1.0 U	1.0 U	3.0	10.0 U	1.0 U	4.0	1.0 U	1.0 U		
07_DGMW91	150	18-Dec-92	48.0	3.0	2.0	1.0 U	1.0 U	3.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		21-Jul-93	55.0	4.0	2.0	1.0 U	1.0 U	4.0	2.0	1.0 U	1.0 U	1.0 U	1.0 U		
		8-Feb-96	62.0	4.0	2.0	1.0 U	1.0 U	3.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
08_DGMW73	130	12-Feb-92	140.0 E	7.0	0.9 J	8.0	1.0 U	9.0	0.4 J	0.3 J	1.0 U	1.0 U	1.0 U	1,1,2-TRICHLOROETHANE	2.0
		20-Jul-93	100.0 D	5.0	0.7 J	4.0	1.0 U	8.0	2.0 J	1.0 U	1.0 U	1.0 U	1.0 U	1,1,2-TRICHLOROETHANE	3.0
		9-Feb-96	40.0	5.0	1.0 U	1.0 U	1.0 U	5.0	10.0 U	1.0 U	4.0	1.0 U	1.0 U		
08_DGMW74	130	16-Nov-92	100.0 E	8.0	6.0	5.0	1.0 U	6.0	0.9 J	1.0 U	1.0 U	1.0 U	1.0 U		
		20-Jul-93	100.0 D	6.0	5.0	3.0	1.0 U	7.0	3.0	1.0 U	1.0 U	1.0 U	1.0 U		
		14-Feb-96	47.0	1.0	2.0	1.0 U	1.0 U	5.0	10.0 U	1.0 U	5.0	1.0 U	1.0 U	1,1-DICHLOROETHANE	0.9 J
08_UGMW29	135	12-Aug-92	20.0	1.0 U	1.0 U	1.0 U	1.0 U	0.8 J	2.0 U	1.0 U	0.7 J	1.0 U	1.0 J		
		7-Sep-93	12.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		14-Feb-96	8.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	16.0	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED		
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent.	Qual. Flag
09_DBMW45	157	20-Jul-92	1000.0 D	5.0	3.0	2.0	1.0 U	2.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		12-Oct-92	1800.0 E	7.0	6.0	1.0 U	1.0 U	2.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	FREON 113	70.0	JN
		12-Oct-92	2000.0 E	8.0	7.0	4.0	1.0	3.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1,2-DICHLOROETHANE	0.5	J
		13-Jul-93	1700.0 D	5.0	5.0	1.0 U	1.0 U	2.0	10.0 U	1.0 U	8.0	1.0 U	1.0 U	FREON 113	30.0	JN
		15-Feb-96	679.0	4.0	3.0	3.0	1.0 U	2.0 U	10.0 U	1.0 U	8.0	1.0 U	1.0 U			
09_DGMW75	154	12-Jan-92	270.0 D	8.0	3.0	0.5 J	1.0 U	0.9 J	0.6 J	1.0 BJ	1.0 U	1.0 U	1.0 U			
		7-Dec-93	280.0 D	5.0	2.0	1.0 U	1.0 U	0.9 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		14-Feb-96	293.0	2.0	1.0	1.0 U	1.0 U	1.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
10_DGMW77	170	17-Nov-92	35.0 E	8.0	2.0	0.6 J	1.0 U	1.0	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U			
		13-Aug-93	61.0 D	3.0	3.0	1.0 U	1.0 U	2.0	2.0 U	0.7 J	1.0 U	1.0 U	1.0 U			
		14-Feb-96	57.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
12_DBMW48	135	17-Nov-92	0.8 J	18.0	0.5 J	1.0 U	1.0 U	1.0 U	2.0 J	1.0 U	1.0 U	1.0 U	1.0 U	FREON 113	240.0	JN
		27-Jul-93	0.7 J	14.0	0.6 J	1.0 U	1.0 U	1.0 U	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U			
		16-Feb-96	19.0	7.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	8.0	1.0 U	1.0 U			
12_UGMW31	145	10-Aug-92	7.0	1.0 U	1.0 U	1.0 U	1.0 U	0.4 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		7-Jul-93	7.0	1.0 U	1.0 U	1.0 U	1.0 U	0.5 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		14-Feb-96	12.0	1.0	1.0 U	10.0 U	10.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
13_DBMW49	182	16-Nov-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	6.0	23.0	1.0 U	1.0 U	5.0			
		30-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	7.0	1.0 U	1.0 U	1.0 U			
		6-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	2.0	1.0 U	1.0 U	1.0 U			
13_DBMW49 (D)		6-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0	1.0 U	1.0 U	1.0 U			
13_DGMW78	167	23-Nov-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	110.0 E	1.0 U	2.0	26.0			
		16-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	12.0	1.0 U	8.0	9.0			
		1-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
13_UGMW32	184	28-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	730.0 E	2.0	1.0 U	58.0			
		28-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	15.0	1.0 U	1.0 U	3.0	1,1,1-TRICHLOROETHANE	0.5	J
		5-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
14_DBMW50	160	12-Feb-92	2.0	1.0 U	19.0	1.0 U	1.0 U	9.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		29-Jun-93	3.0	1.0 U	26.0	1.0 U	1.0 U	11.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		5-Feb-96	2.0	1.0 U	8.0	1.0 U	1.0 U	4.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
14_DBMW50 (D)		5-Feb-96	2.0	1.0 U	9.0	1.0 U	1.0 U	5.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED		
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent.	Qual. Flag
14_DGMW79	158	20-Nov-92	2.0	1.0 U	5.0	1.0 U	1.0 U	12.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		16-Jun-93	1.0 J	1.0 U	3.0	1.0 U	1.0 U	9.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		5-Feb-96	0.6 J	1.0 U	5.0	1.0 U	1.0 U	7.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
15_DBMW51	165	12-Apr-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	120.0	1.0 U	1.0 U	36.0			
		10-Aug-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	63.0 D	1.0 U	1.0 U	19.0	2-HEXANONE	5.0	
		13-Aug-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	150.0 D	1.0 U	1.0 U	30.0			
		6-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	3.0	1.0 U	1.0 U	3.0	1,1,1-TRICHLOROETHANE	1.0	
16_DBMW52	222	11-Apr-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	FREON 113	7.0	JN
		14-Jul-93	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	FREON 113	33.0	JN
		7-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		7-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
16_DGMW81	216	12-Nov-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		24-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		8-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
16_UGMW33	220	17-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	0.5	J
		14-Jul-93	0.8 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		7-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
17_DGMW82	255	6-Mar-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	0.9	J
		2-Aug-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	7.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	1.0	J
		9-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.8 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
18_BGMP06A	455	10-Aug-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.9 J	1.0 U	1.0 U	1.0 U	1.0 U			
		14-Aug-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 J	1.0 U	1.0 U	1.0 U	1.0 U	CARBON DISULFIDE	2.0	
		8-Dec-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		7-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
18_BGMP06B	390	10-Jul-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	20.0	1.0 U	1.0 U	1.0 U	1.0 U			
		13-Aug-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		8-Nov-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0	1.0 U	1.0 U	1.0 U	1.0 U			
		7-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
18_BGMP06C	305	10-Jul-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0	1.0 U	1.0 U	1.0 U	1.0 U			
		17-Aug-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		8-Sep-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0	1.0 U	1.0 U	1.0 U	1.0 U			
		7-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent. Qual. Flag
18_BGMP06D	178	10-Jun-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	BROMODICHLOROMETHANE	1.0
		10-Jun-92												CHLORODIBROMOMETHANE	1.0
		8-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0	1.0 U	1.0 U	1.0 U	1.0 U		
		7-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMP06E	115	10-Jan-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.6 J	1.0 U	1.0 U	1.0 U	1.0 U		
		8-Feb-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		7-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMP08A	449	17-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0	1.0 U	1.0 U	1.0 U	1.0 U		
		6-Nov-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		17-Jan-96	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMP08B	307	26-Aug-92	0.3 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		15-Oct-92	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		6-Oct-93	0.6 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0	1.0 U	0.7 J		
		16-Jan-96	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMP08C	136	13-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U		
		15-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0	1.0 U	1.0 U	1.0 U	1.0 U		
		14-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		15-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		16-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMP08D	136	12-Oct-92	1.0 U	0.5 J	1.0 U	1.0 U	1.0 U	1.0 U	0.7 J	1.0 U	1.0 U	1.0 U	1.0 U		
		10-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.0	1.0 U	1.0 U		
18_BGMP08E	115	24-Aug-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	BROMODICHLOROMETHANE	0.6 J
		24-Aug-92												CHLORODIBROMOMETHANE	0.6 J
		15-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	BROMODICHLOROMETHANE	2.0
		15-Jan-96												CHLORODIBROMOMETHANE	2.0
18_BGMP09A	463	23-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	0.8 J	1.0 U	1.0 U	METHYLENE CHLORIDE	0.6 J
		22-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		31-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMP09B	385	23-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U		
		21-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.7 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		31-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~ All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent. Qual. Flag
18_BGMP09C	268	22-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U		
		18-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	0.7 J
		1-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMP09D	232	21-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		17-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.0	1.0 U	1.0 U		
		2-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMP09E	143	20-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		23-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		24-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		2-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMP09F	69	19-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U		
		16-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		2-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMP10A	1011	20-Jan-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	3.0 B	11.0	2.0	8.0	ACETONE	5.0
		30-Jul-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		19-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMP10B	896	25-Jan-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0	1.0 U	1.0	METHYLENE CHLORIDE	0.6 J
		30-Jul-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0	1.0 U	1.0 J	1.0 U	1.0 U		
		23-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMP10C	762	7-Jan-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		23-Jan-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U		
		23-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMP10D	573	22-Jan-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		28-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		23-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMP10E	449	21-Jan-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 BJ	1.0 U	1.0 U	1.0 U	ACETONE	2.0
		7-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		24-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

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MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~ All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Qual. Flag Concent.
18_BGMP10F	228	20-Jan-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 BJ	1.0 U	1.0 U	1.0 J		
		25-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		24-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW01A	486	12-Nov-92	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	CARBON DISULFIDE	0.5 J
		7-Jan-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 J	2.0	4-METHYL-2-PENTANONE	5.0
		7-Jan-93												CARBON DISULFIDE	1.0
		26-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	61.0	1.0 U	1.0 U	0.6 J		
18_BGMW01A (D)		26-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	61.0	1.0 U	0.9 J	0.5 J		
18_BGMW01B	416	14-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	0.5 J	1.0 U	1.0 U		
		22-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		26-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW01C	350	13-Jul-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1,2-DICHLOROPROPANE	1.0
		16-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	2.0	1.0 U	1.0 U	1,2-DICHLOROPROPANE	1.0
		24-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1,2-DICHLOROPROPANE	1.0
		23-Jan-96	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW01D	262	8-Apr-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	0.9 J	1.0 U	1.0 U	1.0		
		12-Sep-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		23-Jan-96	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	10.0 U	10.0	1.0 U	1.0 U	2.0		
18_BGMW01E	225	27-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.9 J	1.0 U	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	0.9 J
		27-Oct-92							2.0 U	270.0 D	2.0		58.0		
		18-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	240.0 D	0.8 J	1.0 U	17.0	METHYLENE CHLORIDE	0.7 J
		18-Jun-93													
		5-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	40.0	1.0 U	1.0 U	1.0 U		
18_BGMW02A	482	6-Apr-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	ACETONE	51.0
		6-Apr-92												BROMODICHLOROMETHANE	11.0
		6-Apr-92												BROMOFORM	2.0
		6-Apr-92												CHLORODIBROMOMETHANE	11.0
		21-Dec-92	1.0	0.5 J	1.0 U	1.0 U	1.0 U	7.0	2.0 U	1.0 U	6.0	1.0 U	1.0	CARBON DISULFIDE	5.0
		6-Aug-93	0.9 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	CARBON DISULFIDE	3.0
		19-Jan-96	1.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent. Qual. Flag
18_BGMW02C	378	6-Nov-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.8 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	BROMODICHLOROMETHANE	0.5 J
		6-Nov-92												CHLORODIBROMOMETHANE	0.5 J
		22-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 J	1.0 U	1.0 U		
		6-Sep-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		18-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW02D	314	17-Jun-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	BROMODICHLOROMETHANE	0.7 J
		17-Jun-92						1.0 U			2.0		1.0 U	CHLORODIBROMOMETHANE	0.6 J
		18-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	4.0	1.0 U	1.0 U	CARBON DISULFIDE	1.0
		15-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0	2.0 U	1.0 U	1.0 U	1.0 U			
		17-Jan-96	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW02D (D)		17-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW02E	233	6-May-92	1.0 U	0.8 J	1.0 U	1.0 U	1.0 U	0.7 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		21-Sep-92	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	0.5 J
		15-Jun-93	3.0 JN				1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		1-Feb-96	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW03A	390	25-Jun-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	BROMODICHLOROMETHANE	0.5 J
		25-Jun-92												CHLORODIBROMOMETHANE	0.6 J
		29-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		14-Jul-93	0.8 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Jan-96	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	3.0	1.0 U	1.0 U		
18_BGMW03A (D)		29-Jan-96	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	3.0	1.0 U	1.0 U		
18_BGMW03B	300	28-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		28-Nov-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.8 J	1.0 U	1.0 U	1.0 U	1.0 U		
		14-Jul-93	0.8 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Jan-96	1.0 U	1 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW03C	242	23-Jul-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	1.0 B
		17-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	0.8 J	1.0 U	1.0 U		
		15-Jul-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		12-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	10.0	1.0 U	1.0 U		
18_BGMW03E	164	17-Dec-92	370.0 E	1.0	1.0	1.0 U	1.0 U	0.6 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	FREON 113	10.0 JN
		15-Jul-93	210.0 D	0.8 J	0.8 J	1.0 U	1.0 U	0.6 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		5-Feb-96	139.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent. Qual. Flag
18_BGMW04A	306	6-Sep-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		30-Sep-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	CARBON DISULFIDE	1.0
		16-Jul-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		28-Jan-96	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW04B	210	15-Jun-92	5.0	5.0	1.0 U	1.0 U	1.0	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Sep-92	14.0	11.0	1.0 U	1.0 U	2.0	0.5 J	2.0 J	1.0 U	1.0 U	1.0 U	1.0 U		
		13-Jul-93	8.0	6.0	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		19-Jan-96	4.0	3.0	1.0 U	1.0 U	1.0 U	10.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW04B (D)		19-Jan-96	4.0	4.0	1.0 U	1.0 U	1.0 U	10.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW05A	482	7-Sep-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	0.5 J
		15-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	15.0	1.0 U	1.0	CARBON DISULFIDE	8.0
		7-Aug-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	6.0	1.0 J	4.0	4-METHYL-2-PENTANONE	2.0 J
														CARBON DISULFIDE	4.0
		26-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	CARBON DISULFIDE	2.0 J
18_BGMW05A (D)		26-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW05B	341	11-Nov-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U		
		7-Aug-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Feb-96	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW05C	245	16-Jul-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	ACETONE	3.0
		11-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.8 J	1.0 U	1.0 U	1.0 U	1.0 U		
		7-Sep-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Feb-96	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	2.0	1.0 U	1.0 U		
18_BGMW05D	133	11-Mar-92	39.0	30.0	1.0 U	1.0 U	3.0	0.6 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1,1,2-TRICHLOROETHANE	0.5 J
		11-Mar-92												2-BUTANONE	1.0 J
		7-Dec-93	56.0	25.0	1.0 U	1.0 U	5.0	0.9 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1,1,2-TRICHLOROETHANE	0.9 J
		19-Feb-96	14.0	9.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	3.0	1.0 U	1.0 U		
18_BGMW07	65	29-Jul-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		12-Sep-92	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.6 J	1.0 U	1.0 U	1.0 U	1.0 U		
		18-Jun-93	2.0	1.0 U	1.0 U	1.0 U	1.0 U	0.7 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		9-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW12	205	11-Sep-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.7 J	1.0 U	1.0 U	1.0 U	1.0 U		
		2-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

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MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Qual. Flag Concent.
18_BGMW14	115	18-Jun-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	CARBON DISULFIDE	0.5 J
		18-Jun-92												METHYLENE CHLORIDE	0.6 J
		20-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		19-Oct-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.8 J	1.0 U	1.0 U	1.0 U	1.0 U		
		16-Feb-96	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	3.0	1.0 U	1.0 U		
18_BGMW15	215	30-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	BROMODICHLOROMETHANE	2.0
		30-Oct-92												CHLORODIBROMOMETHANE	1.0
		7-Sep-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		2-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW16	263	23-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U		
		19-Jul-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U						
		19-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW17	255	25-Jun-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	BROMODICHLOROMETHANE	0.5 J
		22-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		7-Dec-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW18	180	11-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1,2-DICHLOROPROPANE	4.0
		16-Jul-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1,2-DICHLOROPROPANE	2.0
		5-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW19A	468	20-Jul-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	1.0
		30-Jul-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		22-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		6-Sep-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		1-Mar-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW19B	420	8-Jun-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		17-Dec-92	0.7 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	0.6 J
		6-Nov-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		11-Mar-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	26.0	3.0	1.0 U	1.0 U		
18_BGMW19C	277	24-Sep-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		28-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ** All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Qual. Flag Concent.
18_BGMW19D	170	25-Sep-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		14-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		16-Feb-96	6.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW19E	138	11-Dec-92	1.0	1.0 U	1.0 U	1.0 U	1.0 U	0.9 J	0.6 J	1.0 U	1.0 U	1.0 U	1.0 U		
		14-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.6 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		14-Jun-93						0.7 J							
		6-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW22	287	14-Aug-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	0.5 J	1.0 U	1.0 U		
		12-Sep-92	0.7 J	1.0 U	1.0 U	1.0 U	1.0 U	2.0			1.0 U				
		28-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		22-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW23	104	18-Aug-92	0.6 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	0.6 J
		12-Oct-92	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0	1.0 U	1.0 U	1.0 U	1.0 U		
		22-Jun-93	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		19-Feb-96	6.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	8.0	1.0 U	1.0 U		
18_BGMW24	71	11-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U		
		7-Sep-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		7-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_BGMW101	130	13-Nov-92	29.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0	1.0 U	1.0 U	1.0 U	1.0 U		
		19-Jul-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Jan-96	15.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_DW135	135	15-Jul-88	5.0	0.5 U	56.0		0.5 U	11.0			0.5 U	0.5 U			
		22-Sep-88	7.0	0.5 U	61.0		0.5 U	14.0			0.5 U	0.5 U			
		20-Jan-89	3.4	0.5 U	45.0		0.5 U	11.0			0.5 U	0.5 U			
		22-Dec-92	0.6 J	1.0 U	17.0	1.0 U	1.0 U	3.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		19-Feb-96	12.0	1.0 U	10.0	1.0 U	1.0 U	1.0	10.0 U	1.0 U	9.0	1.0 U	1.0 U		
18_DW250	250	15-Jul-88	0.5 U	0.5 U	8.0		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Sep-88	0.5 U	0.5 U	15.0		0.5 U	0.5 U			0.5 U	0.5 U			
		20-Jan-89	0.5 U	0.5 U	3.1		0.5 U	0.5 U			0.5 U	0.5 U			
		21-Dec-92	1.0 U	1.0 U	7.0	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		7-Jun-93	1.0	1.0 U	6.0	1.0 U	1.0 U	1.0 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		31-Jan-96	1.0 U	1.0 U	2.0	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	9.0	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~~ All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Qual. Flag Concent.
18_DW350	350	15-Jul-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Sep-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		20-Jan-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		15-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		1-Nov-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	13.0	1.0 U	1.0 U	METHYLENE CHLORIDE	1.0
18_DW450	450	15-Jul-88	0.1	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Sep-88	2.5	0.5 U	0.5 U		0.5 U	0.3			0.5 U	0.5 U			
		20-Jan-89	0.2	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		30-Jun-93	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		1-Dec-93	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Jan-96	4.0	1.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	4.0	1.0 U	1.0 U		
18_DW540	540	15-Jul-88	0.4	0.5 U	0.5 U		0.5 U	0.1			0.5 U	0.5 U			
		22-Sep-88	0.3	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		21-Jan-89	0.4	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		7-Jan-93	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2-HEXANONE	1.0 J
		13-Jan-93	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		30-Jan-96	4.0	1.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	11.0	1.0 U	1.0 U		
18_MCAS01-1	70	4-Jan-89	0.5 U	0.5 U	0.5 U		0.5 U	2.0			0.5 J	0.5 U		1,1,1-TRICHLOROETHANE	0.5 J*
		6-Feb-89	0.5 U	0.5 U	0.5 U		0.5 U	2.0			0.5 U	0.5 U			
		1-Apr-89	0.5 U	0.5 U	0.5 U		0.5 U	2.0			0.5 J	0.5 U		1,1,1-TRICHLOROETHANE	0.5 J
		5-May-89	0.5 U	0.5 U	0.5 U		0.5 U	2.1			0.5 U	0.5 U			
		2-Jun-89	0.5 U	0.5 U	0.5 U		0.5 U	2.0			0.5 U	0.5 U			
		19-Oct-89	0.5 U	0.5 U	0.5 U		0.5 U	1.5			0.5 U	0.5 U			
		12-Jan-90	0.5 U	0.5 U	0.5 U		0.5 U	1.2			0.5 U	0.5 U			
		8-Feb-90	0.5 U	0.5 U	0.5 U		0.5 U	1.0			0.5 U	0.5 U			
		14-May-90	0.5 U	0.5 U	0.5 U		0.5 U	0.7			0.5 U	0.5 U			
		2-Aug-90	0.5 U	0.5 U	0.5 U		0.5 U	1.0			0.5 U	0.5 U			
		1-Dec-90	0.5 U	0.5 U	0.5 U		0.5 U	1.2			0.5 U	0.5 U			
		17-Jul-91	0.5 U	0.5 U	0.5 U		0.5 U	0.9			0.5 U	0.5 U			
		20-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5			0.5 U	0.5 U			
		19-May-92	0.5 U	0.5 U	0.5 U		0.5 U	0.9			0.5 U	0.5 U			
		12-Apr-93	0.5 U	0.5 U	0.5 U	0.5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		23-Nov-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		24-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent. Qual. Flag
18_MCAS01-2	160	4-Jan-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U		1,1,1-TRICHLOROETHANE	0.5 J*
		6-Feb-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		1-Apr-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U		1,1,1-TRICHLOROETHANE	0.5 J
		5-May-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Jun-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		19-Oct-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-Jan-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		8-Feb-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-May-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Aug-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		1-Dec-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		21-Mar-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Jul-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		20-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		19-May-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Sep-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-Apr-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		24-Nov-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		24-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_MCAS01-3	220	4-Jan-89	1.8	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U		1,1,1-TRICHLOROETHANE	0.5 J*
		6-Feb-89	1.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		1-Apr-89	1.8	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U		1,1,1-TRICHLOROETHANE	0.5 J
		5-May-89	1.6	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Jun-89	1.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		19-Oct-89	1.3	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-Jan-90	1.0	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		8-Feb-90	1.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-May-90	0.6	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Aug-90	1.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		1-Dec-90	1.0	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		21-Mar-91	0.9	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Jul-91	1.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		20-Oct-91	2.6	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		19-May-92	3.4	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Sep-92	2.3	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Sep-92	2.3	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-Apr-93	2.7	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		18-Jan-96	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent. Qual. Flag
18_MCAS01-4	280	4-Jan-89	4.8	0.5 U	0.5 U		0.5 U	0.5 J			0.5 J	0.5 U		1,1,1-TRICHLOROETHANE	0.5 J*
		7-Feb-89	5.2	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		1-Apr-89	4.8	0.5 U	0.5 U		0.5 U	0.5 J			0.5 J	0.5 U		1,1,1-TRICHLOROETHANE	0.5 J
		5-May-89	8.1	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		2-Jul-89	5.2	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		19-Oct-89	3.8	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-Jan-90	0.7	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		8-Feb-90	4.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-May-90	2.6	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Aug-90	4.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		1-Dec-90	0.7	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		21-Mar-91	2.0	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Jul-91	4.1	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		20-Oct-91	3.9	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		19-May-92	4.6	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Sep-92	4.0	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Sep-92	4.0	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-Apr-93	6.1	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		24-Nov-93	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Nov-93	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		18-Jan-96	6.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_MCAS01-5	340	4-Jan-89	34.6	0.5 U	0.5 U		0.5 J	0.5 J			0.5 U	0.5 U			
		6-Feb-89	39.1	0.5 U	0.5 U		0.5 J	0.5			0.5 U	0.5 U			
		1-Apr-89	34.6	0.5 U	0.5 U		0.5 J	0.5 J			0.5 U	0.5 U			
		5-May-89	47.5	0.5 U	0.5 U		0.5 J	0.5 J			0.5 U	0.5 U			
		2-Jun-89	39.1	0.5 U	0.5 U		0.5 J	0.5			0.5 U	0.5 U			
		19-Oct-89	17.7	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-Jan-90	32.1	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		8-Feb-90	36.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-May-90	33.4	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		2-Aug-90	36.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		1-Dec-90	32.1	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		21-Mar-91	19.7	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Jul-91	29.0	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		20-Oct-91	48.2	0.5 J	0.5 U		0.5 U	0.5			0.5 U	0.5 U			
		19-May-92	24.2	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		22-Sep-92	24.1	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		12-Apr-93	36.1	0.5 U	0.5 U	0.5 U		0.4	0.5 U	0.5 U	0.5 U	0.5 U			
		30-Nov-93	22.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2-BUTANONE	1.0 J
		30-Nov-93												2-HEXANONE	2.0 J
		18-Jan-96	23.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent. Qual. Flag
18_MCAS01-6	460	4-Jan-89	45.1	0.5 U	0.5 U		1.4	0.5 J			0.5 U	0.5 U			
		6-Feb-89	51.9	0.5 U	0.5 U		1.8	0.5 J			0.5 U	0.5 U			
		1-Apr-89	45.1	0.5 U	0.5 U		1.4	0.5 J			0.5 U	0.5 U			
		5-May-89	46.1	0.5 U	0.5 U		1.9	0.5 U			0.5 U	0.5 U			
		2-Jun-89	51.9	0.5 U	0.5 U		1.8	0.5 J			0.5 U	0.5 U			
		19-Oct-89	30.0	0.5 U	0.5 U		1.4	0.5 U			0.5 U	0.5 U			
		12-Jan-90	3.8	0.5 U	0.5 U		0.5 U	0.6			0.5 U	0.5 U			
		8-Feb-90	38.0	0.5 U	0.5 U		3.3	0.5 U			0.5 U	0.5 U			
		14-May-90	8.3	0.5 U	0.5 U		1.3	0.5 U			0.5 U	0.5 U			
		2-Aug-90	38.0	0.5 U	0.5 U		3.3	0.5 U			0.5 U	0.5 U			
		1-Dec-90	3.8	0.5 U	0.5 U		0.5 U	0.6			0.5 U	0.5 U			
		19-Mar-91	6.4	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Jul-91	18.4	0.5 U	0.5 U		2.5	0.5 U			0.5 U	0.5 U			
		20-Oct-91	33.0	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		19-May-92	26.3	0.5 U	0.5 U		2.6	0.5 U			0.5 U	0.5 U			
		22-Sep-92	23.9	0.5 U	0.5 U		2.7	0.5 U			0.5 U	0.5 U			
		12-Apr-93	44.3	0.5 U	0.5 U	0.5 U	3.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		16-Dec-93	34.0	1.0 U	1.0 U	1.0 U	4.0	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U			
		18-Jan-96	25.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_MCAS01-7	550	4-Jan-89	0.5 J	0.5 U	0.5 U		0.5 U	0.7			0.5 U	0.5 U		CHLOROBENZENE	0.5 J
		6-Feb-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5			0.5 U	0.5 U		CHLOROBENZENE	0.5 J
		1-Apr-89	0.5 J	0.5 U	0.5 U		0.5 U	0.7			0.5 U	0.5 U		CHLOROBENZENE	0.5 J
		5-May-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U		CHLOROBENZENE	0.5 J
		2-Jun-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5			0.5 U	0.5 U		CHLOROBENZENE	0.5 J
		19-Oct-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U		CHLOROBENZENE	0.5
		12-Jan-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.6	1.0		CHLOROBENZENE	1.6
		8-Feb-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U		CHLOROBENZENE	0.5 J
		14-May-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U		CHLOROBENZENE	0.5 J
		2-Aug-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U		CHLOROBENZENE	0.5 J
		1-Dec-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.6	1.0		CHLOROBENZENE	1.6
		19-Mar-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.9		CHLOROBENZENE	1.0
		17-Jul-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.8		CHLOROBENZENE	1.1
		20-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.8		CHLOROBENZENE	0.6
		19-May-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.8		CHLOROBENZENE	0.5 J
		18-Sep-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.8		CHLOROBENZENE	0.5
		12-Jan-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	0.7 J	1.0 U	CARBON DISULFIDE	0.5 J
		12-Apr-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		17-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	10.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~ All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Qual. Flag Concent.
18_MCAS02-1	50	27-Dec-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		7-Feb-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Mar-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		3-May-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Jul-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Oct-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-Jan-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		13-Mar-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		18-May-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		1-Dec-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Apr-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		4-May-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		9-Jul-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		7-Sep-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		19-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Apr-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Sep-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Feb-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
		2-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		11-Sep-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		30-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_MCAS02-2	140	27-Dec-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		7-Feb-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Mar-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		3-May-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Jul-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Oct-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		13-Mar-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		18-May-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		11-Oct-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		10-Nov-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Apr-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5			0.5 U	0.5 U			
		4-May-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5			0.5 U	0.5 U			
		9-Jul-91	0.5 J	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		7-Sep-91	0.5 J	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		19-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Apr-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Sep-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Feb-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
		2-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		11-Sep-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		30-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ** All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED		
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent.	Qual. Flag
18_MCAS02-3	210	27-Dec-88	1.4	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		7-Feb-89	1.8	0.5 J	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		5-Mar-89	2.0	0.5 J	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		3-May-89	2.0	0.5 J	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		2-Jul-89	1.8	0.5 J	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		17-Oct-89	3.0	0.5 J	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		13-Mar-90	2.2	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		18-May-90	1.8	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		18-May-90	1.8	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		5-Apr-91	3.3	0.5 J	0.5 U		0.5 U	0.6			0.5 U	0.5 U				
		4-May-91	3.3	0.5 J	0.5 U		0.5 U	0.6			0.5 U	0.5 U				
		9-Jul-91	2.1	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		7-Sep-91	2.1	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		19-Oct-91	2.8	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		27-Feb-92	3.0	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		17-Sep-92	2.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		17-Sep-92	2.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		17-Feb-93	3.9	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		2-Jun-93	3.0	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U				
		20-Nov-93	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		30-Jan-96	4.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	3.0	
18_MCAS02-4	380	27-Dec-88	34.6	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		16-Feb-89	28.5	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		5-Mar-89	32.2	0.5 J	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		3-May-89	32.2	0.5 J	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		17-Oct-89	37.2	0.5 J	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		13-Mar-90	25.6	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		18-May-90	3.3	0.5 J	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		5-Apr-91	11.1	0.5 U	0.5 U		0.5 U	1.4			0.5 U	0.5 U				
		4-May-91	11.1	0.5 U	0.5 U		0.5 U	1.4			0.5 U	0.5 U				
		9-Jul-91	19.8	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		7-Sep-91	19.8	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		19-Oct-91	28.6	0.5 J	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		27-Feb-92	12.6	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		17-Sep-92	1.5	0.5 U	0.5 U		0.5 U	0.9			0.5 U	0.5 U				
		17-Feb-93	15.3	0.5 U	0.5 U								0.5 U			
		17-Feb-93	15.2			0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		2-Jun-93	24.4	0.5	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U				
		11-Nov-93	10.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		29-Jan-96	12.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~ All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Qual. Flag Concent.
18_MCAS02-5	430	27-Dec-88	38.9	0.5 U	0.5 U		0.6	0.5 U			0.5 U	0.5 U			
		8-Feb-89	37.0	0.5 U	0.5 U		0.5	0.5 U			0.5 U	0.5 U			
		5-Mar-89	33.0	0.5 U	0.5 U		0.5 J	0.5 U			0.5 U	0.5 U			
		3-May-89	33.9	0.5 U	0.5 U		0.5 J	0.5 U			0.5 U	0.5 U			
		2-Aug-89	37.0	0.5 U	0.5 U		0.5	0.5 U			0.5 U	0.5 U			
		10-Oct-89	51.9	0.5 U	0.5 U		0.5	0.5 U			0.5 U	0.5 U			
		13-Mar-90	28.7	0.5 U	0.5 U		0.5 J	0.5 U			0.5 U	0.5 U			
		18-May-90	22.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Apr-91	6.1	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		4-May-91	6.1	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		9-Jul-91	20.6	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		7-Sep-91	20.6	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		16-Nov-91	30.9	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		27-Feb-92	21.8	0.5 U	0.5 U		0.5 J	0.5 U			0.5 U	0.5 U			
		17-Sep-92	20.0	0.5 U	0.5 U		0.5 J	0.5 U			0.5 U	0.5 U			
		17-Feb-93	26.9	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
		2-Jun-93	32.2	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		11-Dec-93	21.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Jan-96	21.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_MCAS02-6	500	27-Dec-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		8-Feb-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Mar-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		3-May-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Aug-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		10-Oct-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		13-Mar-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.6		CHLOROBENZENE	0.5 J
		18-May-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.8		CHLOROBENZENE	0.8
		5-Apr-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		4-May-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		9-Jul-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		7-Sep-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		19-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		27-Feb-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Sep-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Feb-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
		2-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		15-Nov-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~ All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent. Qual. Flag
18_MCAS02-7	560	27-Dec-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5	0.5 U			
		8-Feb-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Mar-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U		CHLOROBENZENE	0.6
		3-May-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U			
		2-Aug-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		10-Oct-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U		CHLOROBENZENE	1.0
		13-Mar-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5	0.7		CHLOROBENZENE	1.0
		18-May-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.6		CHLOROBENZENE	0.9
		5-Apr-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 J			
		4-May-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 J			
		9-Jul-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		7-Sep-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		19-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 J			
		27-Feb-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Sep-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Feb-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
		2-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		16-Nov-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_MCAS02-8	630	27-Dec-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.9	0.5 U		CHLOROBENZENE	0.5 J
		8-Feb-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.6	0.9		CHLOROBENZENE	0.6
		5-Mar-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	1.0		CHLOROBENZENE	0.7
		3-May-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	1.0		CHLOROBENZENE	0.7
		2-Aug-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.6	0.9		CHLOROBENZENE	0.6
		10-Oct-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	1.3		CHLOROBENZENE	0.7
		13-Mar-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	1.2		CHLOROBENZENE	0.8
		18-May-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.7		CHLOROBENZENE	0.6
		5-Apr-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 J			
		4-May-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 J			
		9-Jul-91	0.5 J	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		7-Sep-91	0.5 J	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		19-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 J			
		16-Nov-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 J			
		27-Feb-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 J		CHLOROBENZENE	0.5 J
		17-Sep-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 J			
		17-Feb-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		17-Feb-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.7	0.5 U		
		2-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		11-Aug-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		29-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~ All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED		
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent.	Qual. Flag
18_MCAS03-1	95	12-Jun-88	0.5 U	0.5 U	0.5 U		0.5 U	2.8			0.5 U	0.5 U				
		6-Dec-88	0.5 U	0.5 U	0.5 U		0.5 U	2.8			0.5 U	0.5 U				
		30-Jan-89	0.5 U	0.5 U	0.5 U		0.5 U	2.1			0.5 U	0.5 U				
		13-Apr-89	0.5 U	0.5 U	0.5 U		0.5 U	2.1			0.5 U	0.5 U				
		10-Oct-89	0.5 U	0.5 U	0.5 U		0.5 U	1.6			0.5 U	0.5 U				
		9-Feb-90	0.5 U	0.5 U	0.5 U		0.5 U	1.1			0.5 U	0.5 U				
		13-Mar-90	0.5 U	0.5 U	0.5 U		0.5 U	0.8			0.5 U	0.5 U				
		17-May-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5			0.5 U	0.5 U				
		2-Sep-90	0.5 U	0.5 U	0.5 U		0.5 U	1.1			0.5 U	0.5 U				
		11-Sep-90	0.5 U	0.5 U	0.5 U		0.5 U	0.7			0.5 U	0.5 U				
		9-Nov-90	0.5 U	0.5 U	0.5 U		0.5 U	0.7			0.5 U	0.5 U				
		4-Apr-91	0.5 U	0.5 U	0.5 U		0.5 U	1.2			0.5 U	0.5 U				
		18-Jul-91	0.5 J	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		18-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		19-May-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		15-Sep-92	0.5 J	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		15-Sep-92	0.5 J	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		6-Feb-93	0.5	0.5 U	0.5 U	0.5 U		0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		10-Jun-93	0.5	0.5 U	0.5 U	0.5 U		0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		6-Oct-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U				
		22-Nov-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		6-Feb-96	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
18_MCAS03-2	170	12-Jun-88	0.5 U	0.5 U	0.5 U		0.5 U	0.7			0.5 U	0.5 U				
		6-Dec-88	0.5 U	0.5 U	0.5 U		0.5 U	0.7			0.5 U	0.5 U				
		30-Jan-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		13-Apr-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		10-Oct-89	4.6	0.5 U	0.5 U		0.5 U	1.0			0.5 U	0.5 U				
		9-Feb-90	14.6	0.5 U	0.5 U		0.5 U	0.5			0.5 U	0.5 U				
		13-Mar-90	18.1	0.5 J	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		17-May-90	7.6	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		2-Sep-90	14.6	0.5 U	0.5 U		0.5 U	0.5			0.5 U	0.5 U				
		11-Sep-90	15.7	0.7	0.5 U		0.5 U	0.7			0.5 U	0.5 U				
		9-Nov-90	15.7	0.7	0.5 U		0.5 U	0.7			0.5 U	0.5 U				
		4-Apr-91	23.4	1.1	0.5 U		0.5 U	2.7			0.5 U	0.5 U				
		18-Jul-91	20.8	1.0	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		18-Oct-91	49.3	2.2	0.5 U		0.5 U	1.2			0.5 U	0.5 U				
		14-May-92	42.2	1.6	0.5 U		1.3	0.5 J			0.5 U	0.5 U				
		15-Sep-92	23.7	0.7	0.5 U		0.8	0.6			0.5 U	0.5 U				
		6-Feb-93	41.1	1.4	0.5 U	0.5 U		0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		6-Feb-93	44.7	1.6												
		10-Jun-93	41.1	1.4	0.5 U	0.5 U		0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		2-Jun-93	44.7	1.6	0.5 U	0.5 U		0.6	0.5 U	0.5 U	0.5 U	0.5 U				
		10-Jun-93	52.4	1.8	0.5 U	0.5 U		0.6	0.5 U	0.5 U	0.5 U	0.5 U				
		19-Nov-93	52.4	1.8	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		6-Feb-96	33.0	1.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ** All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent. Qual. Flag
18_MCAS03-3	230	12-Jun-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		6-Dec-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		30-Jan-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		13-Apr-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		10-Sep-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		9-Oct-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		9-Feb-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		13-Mar-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-May-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Sep-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		11-Sep-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		9-Nov-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		4-Apr-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		18-Jul-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		18-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		14-May-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		15-Sep-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		6-Feb-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
		2-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
		10-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		6-Oct-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		19-Nov-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		6-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_MCAS03-4	350	12-Jun-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U		1,1,1-TRICHLOROETHANE	0.5 J
		6-Dec-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U		1,1,1-TRICHLOROETHANE	0.5 J*
		30-Jan-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		13-Apr-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		10-Sep-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		9-Oct-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-May-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Sep-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		4-Apr-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		18-Jul-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		18-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		14-May-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		15-Sep-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		6-Feb-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
		2-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
		10-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		6-Oct-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		18-Nov-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		6-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Qual. Flag Concent.
18_MCAS03-5	430	12-Jun-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		30-Jan-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		13-Apr-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		10-Sep-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-May-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Sep-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		4-Apr-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		18-Jul-91	0.5 J	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		18-Jul-91	0.5 J	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		18-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		14-May-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		15-Sep-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		6-Feb-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
		2-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
		10-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		6-Oct-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		18-Nov-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		6-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_MCAS03-6	500	12-Jun-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		6-Dec-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		30-Jan-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		13-Apr-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		10-Sep-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		9-Oct-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		9-Feb-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-May-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Sep-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		4-Apr-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		18-Jul-91	0.5 J	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		18-Jul-91	0.5 J	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		18-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		14-May-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		15-Sep-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		6-Feb-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
		2-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U		
		10-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		6-Oct-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		17-Nov-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		6-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Qual. Flag Concent.
18_MCAS04	238	23-Oct-89	3.1	0.5 U	0.5 U		0.5 U	5.8			0.5 U	0.5 U			
		11-Jan-90	4.0	0.5 J	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		23-Feb-90	3.1	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		7-Jun-90	3.4	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		6-Jul-90	3.4	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		1-Nov-90	4.0	0.5 J	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Feb-91	3.3	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Feb-92	2.8	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-Feb-92	3.2	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-May-92	2.8	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		10-Jul-92	2.8	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		7-Oct-92	2.8	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Dec-92	3.2	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		8-Apr-93	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		7-May-93	4.0	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		9-Feb-96	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	5.0	1.0 U	1.0 U		
18_MCAS05	148	19-Oct-89	1.2	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		7-Mar-90	1.4	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		3-Jul-90	1.4	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		23-Jul-90	1.2	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		16-Nov-90	1.1	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		15-Feb-91	0.5 U	0.5 U	0.5 U		0.5 U	1.2			0.5 U	0.5 U			
		12-Mar-92	1.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		31-Jul-92	1.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		3-Dec-92	1.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		21-Apr-93	5.0	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		16-Jun-93	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_MCAS05A	130	6-Feb-96	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	2.0	1.0 U	1.0 U		
18_MCAS06	222	28-Oct-89	2.2	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U		CHLOROBENZENE	0.5 J
		11-Jan-90	2.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		9-Mar-90	1.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		11-Jul-90	2.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		3-Sep-90	1.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		1-Nov-90	2.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		7-Nov-90	2.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		23-May-91	2.7	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-Jan-92	3.2	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		31-Jul-92	3.4	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		1-Dec-92	3.2	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		15-Apr-93	0.5	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		16-Jun-93	2.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		6-Feb-96	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~~ All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Qual. Flag Concent.
18_MCAS07-1	99	17-Oct-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		30-Nov-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		20-Jan-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Apr-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		4-May-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		8-Feb-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Aug-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		16-Nov-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Mar-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		25-Jul-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		23-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-May-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Dec-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Mar-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		16-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		27-Oct-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		9-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_MCAS07-2	199	17-Oct-88	3.0	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		30-Nov-88	2.6	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		20-Jan-89	3.2	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Apr-89	2.7	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		4-May-89	2.7	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		8-Feb-90	1.0	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Aug-90	1.0	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Nov-90	0.8	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U			
		22-Mar-91	1.1	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		26-Jul-91	0.9	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		23-Oct-91	1.1	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-May-92	2.0	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		20-Oct-92	1.3	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Dec-92	2.0	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		17-Mar-93	1.8	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		16-Jun-93	1.7	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		21-Oct-93	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U		
		9-Feb-96	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~~ All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent. Qual. Flag
18_MCAS07-3	359	17-Oct-88	20.0	0.5 U	0.5 U		0.5 J	0.5 U			0.5 U	0.5 U		1,2-DICHLOROETHANE	0.5 J
		30-Nov-88	24.8	0.5 U	0.5 U		0.5	0.5 U			0.5 U	0.5 U		1,2-DICHLOROETHANE	0.5 J
		20-Jan-89	19.8	0.5 U	0.5 U		0.5 J	0.5 U			0.5 U	0.5 U		1,2-DICHLOROETHANE	0.5
		5-Apr-89	13.9	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		4-May-89	13.9	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		8-Feb-90	30.3	0.5 U	0.5 U		0.5 U	0.5 U			0.6	0.5 U			
		2-Aug-90	30.3	0.5 U	0.5 U		0.5 U	0.5 U			0.6	0.5 U		1,2-DICHLOROETHANE	0.5
		17-Nov-90	61.0	0.5 J	0.5 U		0.5 J	0.5 U			0.5 U	0.5 U		1,2-DICHLOROETHANE	0.5
		22-Mar-91	32.2	0.5 U	0.5 U		0.5 U	0.6			0.5 U	0.5 U		1,2-DICHLOROETHANE	1.0
		26-Jul-91	17.1	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U		1,2-DICHLOROETHANE	0.5 J
		23-Oct-91	53.4	0.5 U	0.5 U		0.6	0.5			0.5 U	0.5 U		1,2-DICHLOROETHANE	0.5
		12-May-92	43.6	0.5 U	0.5 U		0.6	0.5 U			0.5 U	0.5 U		1,2-DICHLOROETHANE	0.5
		20-Oct-92	22.7	0.5 U	0.5 U		0.5 J	0.5 U			0.5 U	0.5 U		1,2-DICHLOROETHANE	0.5 J
		5-Dec-92	43.6	0.5 U	0.5 U		0.6	0.5 U			0.5 U	0.5 U		1,2-DICHLOROETHANE	0.5
		17-Mar-93	33.9	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		16-Jun-93	41.8	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		22-Oct-93	25.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.6 J	1.0 U	1.0 U	1.0 U	1.0 U		
		9-Feb-96	40.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_MCAS07-4	449	17-Oct-88	19.4	0.5 U	0.5 U		4.1	0.5 U			0.5 U	0.5 U			
		30-Nov-88	19.7	0.5 U	0.5 U		4.2	0.5 U			0.5 U	0.5 U			
		19-Jan-89	23.6	0.5 U	0.5 U		4.1	0.5 U			0.5 U	0.5 U			
		5-Apr-89	24.8	0.5 U	0.5 U		5.3	0.5 U			0.5 U	0.5 U			
		4-May-89	24.8	0.5 U	0.5 U		5.3	0.5 U			0.5 U	0.5 U			
		8-Feb-90	9.9	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U			
		2-Aug-90	9.9	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U			
		17-Nov-90	36.0	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Mar-91	23.6	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U			
		26-Jul-91	29.4	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		23-Oct-91	40.1	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-May-92	46.1	0.5 U	0.5 U		7.9	0.5 U			0.5 U	0.5 U			
		20-Oct-92	25.0	0.5 U	0.5 U		5.4	0.5 U			0.5 U	0.5 U			
		5-Dec-92	46.1	0.5 U	0.5 U		7.9	0.5 U			0.5 U	0.5 U			
		17-Mar-93	33.8	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		16-Jun-93	43.2	0.5 U	0.5 U	0.5 U	8.8	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		25-Oct-93	29.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.8 J	1.0 U	1.0 U	1.0 U	1.0 U		
		8-Feb-96	36.0	1.0 U	1.0 U	1.0 U	9.0	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~ All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent. Qual. Flag
18_MCAS07-5	519	17-Oct-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		30-Nov-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U		1,1,1-TRICHLOROETHANE	0.5 J*
		18-Jan-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Apr-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		4-May-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		8-Feb-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Aug-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Nov-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Mar-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		26-Jul-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		23-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-May-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		20-Oct-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Dec-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Mar-93	1.3	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		16-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		26-Oct-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.8 J	1.0 U	1.0 U	1.0 U	1.0 U		
		8-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_MCAS07-6	809	17-Oct-88	0.5 U	0.6	0.5 U		0.5 U	0.5 U			0.8	0.5 U		CHLOROBENZENE	0.6
		30-Nov-88	0.5 U	0.7	0.5 U		0.5 U	0.5 U			0.7	0.5 J		1,1,1-TRICHLOROETHANE	0.6
		19-Jan-89	0.5 U	0.5 J	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U		CHLOROBENZENE	0.7
		5-Apr-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U			
		4-May-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U			
		8-Feb-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5	0.5 U			
		2-Aug-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5	0.5 U			
		17-Nov-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Mar-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U			
		26-Jul-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		23-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-May-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		20-Oct-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Dec-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Mar-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		16-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		28-Oct-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		8-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent. Qual. Flag
18_MCAS07-7	919	17-Oct-88	0.5 U	0.8	0.5 U		0.5 U	0.5 U			0.5 J	0.5 J			
		30-Nov-88	0.5 U	0.8	0.5 U		0.5 U	0.5 U			0.6	0.5 J		1,1,1-TRICHLOROETHANE	0.5 J*
		19-Jan-89	0.5 U	0.5 J	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Apr-89	0.5 U	0.6	0.5 U		0.5 U	0.5 U			0.5 U	0.5 J			
		4-May-89	0.5 U	0.6	0.5 U		0.5 U	0.5 U			0.5 U	0.5 J			
		8-Feb-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Aug-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		16-Nov-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U			
		25-Mar-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		25-Mar-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		26-Jul-91	0.5 J	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		23-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-May-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Sep-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Dec-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Mar-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		16-Jun-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		29-Oct-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		8-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_MCAS07-8	989	17-Oct-88	0.5 U	0.7	0.5 U		0.5 U	0.5 U			0.9	0.5 J			
		30-Nov-88	0.5 U	0.6	0.5 U		0.5 U	0.5 U			0.8	0.5 J		1,1,1-TRICHLOROETHANE	0.5 J
		30-Nov-88												CHLOROBENZENE	0.5 J
		19-Jan-89	0.5 U	0.5	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U		1,1,1-TRICHLOROETHANE	0.5 J*
		19-Jan-89												CHLOROBENZENE	0.5 J
		5-Apr-89	0.5 J	0.5 J	0.5 U		0.5 U	0.5 U			0.5 J	0.9			
		4-May-89	0.5 J	0.5 J	0.5 U		0.5 U	0.5 U			0.5 J	0.9		CHLOROBENZENE	0.5 J
		8-Feb-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 J			
		2-Aug-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 J		1,1,1-TRICHLOROETHANE	0.5 J*
		16-Nov-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 J			
		25-Mar-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.6			
		25-Jul-91	0.5 J	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5			
		23-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-May-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 J	0.5 U			
		22-Sep-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Dec-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	2.0 U	1.0 U	0.5 J	0.5 U	1.0 U		
		11-Jan-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			0.8 J	1.0		CARBON DISULFIDE	6.0
		17-Mar-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		8-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED		
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent.	Qual. Flag
18_MCAS07-9	1109	17-Oct-88	0.5 U	0.7	0.5 U		0.5 U	0.5 U			1.0	0.8				
		30-Nov-88	0.5 U	0.5	0.5 U		0.5 U	0.5 U			0.7	0.9		1,1,1-TRICHLOROETHANE	0.5	J
		30-Nov-88												CHLOROBENZENE	0.5	J
		18-Jan-89	0.5 U	0.5 J	0.5 U		0.5 U	0.5 U			0.5 J	0.7		1,1,1-TRICHLOROETHANE	0.5	J*
		18-Jan-89												CHLOROBENZENE	0.5	J
		5-Apr-89	0.5 U	0.5 J	0.5 U		0.5 U	0.5 U			0.5 J	1.0		CHLOROBENZENE	0.5	J
		4-May-89	0.5 U	0.5 J	0.5 U		0.5 U	0.5 U			0.5 J	1.0		CHLOROBENZENE	0.5	J
		8-Feb-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		2-Aug-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U		CHLOROBENZENE	0.5	J
		16-Nov-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			1.5	0.5 J				
		25-Mar-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			1.2	0.5 J				
		25-Jul-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.7	0.7				
		23-Oct-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.6	0.6				
		12-May-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			1.1	1.5				
		22-Sep-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.9	0.9				
		22-Sep-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.9	0.9				
		5-Dec-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			1.1	1.5				
		11-Feb-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	0.9 J	1.0	1.0 U	CARBON DISULFIDE	4.0	
		17-Mar-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U				
		25-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
18_MCAS08	410	11-Mar-89	0.5 U	0.5 U	0.5 U		0.5 U	3.0			0.9	0.5 U				
		3-Nov-89	0.5 U	0.5 U	0.5 U		0.5 U	3.0			0.9	0.5 U				
		6-Feb-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 J			1.6	0.5 U				
		12-Feb-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		2-Jun-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 J			1.6	0.5 U				
		2-Dec-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		11-May-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		22-May-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		5-Nov-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		12-Jan-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		10-Jul-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		7-Oct-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		1-Dec-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		23-Apr-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U				
		23-Apr-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U				
		8-May-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		1-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	8.0	1.0 U	1.0 U			

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MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Qual. Flag Concent.
18_MCAS09	445	27-Oct-89	0.5 J	0.5 U	0.5 U		0.5 U	1.8			0.5 U	0.5 U		CHLOROBENZENE	0.5 J
		12-Feb-90	1.0	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		13-Jul-90	1.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		17-Nov-90	1.3	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Dec-90	1.0	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		18-Mar-91	1.8	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-Jul-91	1.7	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		7-Dec-91	1.7	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-Feb-92	1.8	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		6-May-92	1.1	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Jun-92	1.1	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		23-Aug-92	1.2	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Dec-92	1.8	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		20-Apr-93	2.5	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		11-May-93	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U		
		16-Jan-96	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
18_MCAS10	375	11-Jul-89	0.5 U	0.5 U	0.5 U		0.5 U	9.7			0.5 U	0.5 U			
		7-Nov-89	0.5 U	0.5 U	0.5 U		0.5 U	9.7			0.5 U	0.5 U			
		31-Jan-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		20-Jul-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		18-Nov-90	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		3-Feb-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Mar-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-Jul-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		7-Dec-91	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		12-Feb-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		8-May-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		5-Aug-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		27-Aug-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		2-Dec-92	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		11-Apr-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 J	1.0 U	1.0 U	1.0 U	1.0 U		
		23-Apr-93	0.5 U	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		19-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	16.0	1.0 U	1.0 U		
18_PS1	122	15-Dec-88	19.0	0.5 U	0.3		0.5 U	0.5 U			0.5 U	0.5 U		CHLOROBENZENE	0.3
		22-Jan-89	17.0	0.5 U	0.4		0.5 U	0.5 U			0.5 U	0.5 U			
		7-Feb-93	3.0	0.8 J	1.0 J	1.0 U	1.0 U	2.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		19-Jan-96	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	18.0	1.0 U	1.0 U		
18_PS2	133	16-Dec-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Jan-89	0.5 U	0.5 U	0.5 U		0.5 U	0.2			0.5 U	0.5 U			
		15-Dec-92	0.9 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		7-Dec-93	2.0	1.0 U	1.0 U	1.0 U	1.0 U	0.7 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		18-Jan-96	4.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	35.0	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~~ All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent. Qual. Flag
18_PS3	122	13-Dec-88	33.0	24.0	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		23-Jan-89	64.0	81.0	0.4		0.5 U	12.0			0.5 U	0.5 U		1,1,2-TRICHLOROETHANE	0.9 J
		12-Oct-92	56.0	58.0	1.0 U	0.4 J	2.0	2.0	0.8 J	1.0 U	1.0 U	1.0 U	1.0 U		
		6-Jul-93	79.0 D	30.0	1.0 U	1.0 U	1.0 U	2.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1,1,2-TRICHLOROETHANE	2.0
		22-Feb-96	11.0	9.0	1.0 U	1.0 U	1.0 U	3.0	10.0 U	1.0 U	5.0	1.0 U	1.0 U	BROMODICHLOROMETHANE	2.0
18_PS4	118	22-Jan-89	76.0	48.0	0.5 U		0.5 U	3.1			0.5 U	0.5 U			
		12-Nov-92	34.0	43.0	1.0 U	1.0 U	3.0	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1,1,2-TRICHLOROETHANE	0.6 J
		6-Jul-93	35.0	23.0	1.0 U	1.0 U	1.0 U	0.9 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		21-Feb-96	7.0	6.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	4.0	1.0 U	1.0 U		
18_PS5	126	23-Jan-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		16-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		6-Aug-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	0.8 J	1.0 U	1.0 U	BROMODICHLOROMETHANE	0.6 J
		22-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	19.0	1.0 U	1.0 U		
18_PS6	150	23-Jan-89	11.0	0.4	1.3		0.5 U	7.7			0.5 U	0.5 U			
		15-Dec-92	3.0	1.0	1.0	1.0 U	1.0 U	2.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		26-Jan-96	6.0	3.0	1.0 U	1.0 U	1.0 U	1.0	10.0 U	1.0 U	9.0	1.0 U			
18_PS7	126	23-Jan-89	0.5 U	0.5 U	0.5 U		0.5 U	0.1			0.5 U	0.5 U			
		16-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		7-Feb-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		22-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	23.0	1.0 U	1.0 U		
18_PS8	145	23-Jan-89	90.0	0.5 U	2.0		0.5 U	4.0			0.5 U	0.5 U			
		14-Dec-92	82.0 E	1.0	3.0	1.0 U	1.0 U	2.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		7-Jun-93	62.0 D	0.6 J	2.0	1.0 U	1.0 U	2.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	FREON 113	10.0 JN
		26-Jan-96	102.0	0.8 J	2.0	1.0 U	1.0 U	2.0	10.0 U	1.0 U	4.0	1.0 U	1.0 U	METHYLENE CHLORIDE	2.0
		26-Jan-96												1,1,1-TRICHLOROETHANE	0.8 J
18_RW1	470	11-Sep-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		9-Nov-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		14-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		15-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		7-Aug-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		23-Jan-96	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	9.0	1.0 U	1.0 U		

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MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~~ All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Qual. Flag Concent.
18_RW2	310	11-Sep-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		9-Nov-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		22-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		13-Jul-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		24-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	5.0	1.0 U	1.0 U		
18_RW3	390	11-Sep-89	0.8	0.1	0.5 U		0.5 U	0.1			0.5 U	0.5 U			
		9-Nov-89	0.8	0.1	0.5 U		0.5 U	0.1			0.5 U	0.5 U			
		6-Apr-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		25-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	4.0	1.0 U	1.0 U		
18_RW4	85	11-Sep-89	0.5 U	0.4	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		9-Nov-89	0.5 U	0.4	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U			
		6-Jul-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		26-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	7.0	1.0 U	1.0 U		
19_DBMW54	181	18-Dec-92	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		22-Jun-93	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		19-Feb-96	4.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
19_DGMW85	183	16-Dec-92	0.6 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4-METHYL-2-PENTANONE	0.6 J
		6-Oct-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		19-Feb-96	5.0	1.0 U	1.0 U	1.0 U	1.0 U	4.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	BROMODICHLOROMETHANE	2.0
19_DGMW86	198	17-Dec-92	0.8 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		6-Nov-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		27-Feb-96	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		27-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

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MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent. Qual. Flag
19_UGMW35	185	12-Aug-92	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		15-Jul-93	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		8-Feb-96	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
19_UGMW35 (D)		8-Feb-96	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
20_DBMW55	227	12-Sep-92	0.5 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		17-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		27-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
20_DGMW88	225	11-Apr-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 J	1.0 U	1.0 U	1.0 U	1.0 U		
		17-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		1-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
20_DGMW88 (D)		1-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
20_UGMW36	223	28-Oct-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.9 J	1.0 U	1.0 U	1.0 U	1.0 U		
		18-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	0.6 J
		5-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
21_DBMW56	132	18-Nov-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0	1.0 U	1.0 U	1.0 U	1.0 U		
		24-Jun-93	0.7 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0					FREON 113	3.0 JN
		15-Feb-96	47.0	1.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	7.0	1.0 U	1.0 U		
21_DGMW90	135	18-Dec-92	1.0	0.8 J	1.0 U	1.0 U	1.0 U	0.6 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	METHYLENE CHLORIDE	0.6 J
		6-Oct-93	3.0	1.0	1.0 U	1.0 U	1.0 U	3.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
		2-Feb-96	3.0	2.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		

Table 4-1: SUMMARY OF DETECTED VOLATILE ORGANIC COMPOUNDS
MCAS El Toro Groundwater Monitoring Program

			PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)											OTHER VOCs DETECTED		
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TCE 5.0	PCE 5.0	CCl_4 0.5	1,1-DCE 6.0	1,2-DCE (total)	Chloroform 100.0	Chloro-methane	Benzene 1.0	Toluene 100.0	Ethyl-benzene 680.0	Xylenes (total) 1750.0	Compound	Concent.	Qual. Flag
21_UGMW37	130	13-Nov-92	11.0	7.0	1.0 U	1.0 U	1.0 U	1.0	4.0	1.0 U	1.0 U	1.0 U	1.0 U			
		7-Jul-93	11.0	4.0	1.0 U	1.0 U	1.0 U	0.8 J	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		12-Feb-96	12.0	4.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	12.0	1.0 U	1.0 U			
22_DBMW47	156	29-Sep-92	1000.0 E	7.0	5.0	1.0 U	1.0 U	3.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		13-Jul-93	1200.0 D	4.0	5.0	2.0	1.0 U	2.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		15-Feb-96	467.0	2.0	3.0	1.0	1.0 U	2.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			

EXPLANATION

1) Table lists the results in micrograms per liter (ug/L) for the primary volatile organic compounds (VOCs) detected and other target compound list (TCL) VOCs detected. Results for Freon 113 (1,1,2 - trichloro - 1,2,2 - trifluoroethane) additionally listed where available.

2) The January - February 1996 sample results listed in this table are as reported in the APCL laboratory analytical reports (Appendix E, Quarterly Monitoring Report).
Refer to Section 9.3 of the Quarterly Monitoring Report for qualifications from data validation.
(D) code added to Station ID denotes duplicate sample, Jan-Feb 1996 sampling round.

3) Data Qualification Flags: U = the compound was analyzed for, but was not detected above the associated value.
J = the associated value is an estimated quantity.
JN = the analyte present is tentatively identified and the associated value is an estimated quantity.
D = the value is obtained from diluted sample analysis.
E = the associated value is an estimated quantity since it exceeded the instrument calibration range.

4) Regulatory standards are listed at the top of results column for primary detected VOCs. VOC abbreviations and regulatory standards:
Trichloroethylene (TCE), Federal maximum contaminant level (MCL) 5.0 ug/L.
Tetrachloroethylene (PCE), Federal MCL 5.0 ug/L.
Carbon Tetrachloride (CCl_4), State MCL 0.5 ug/L.
1,1 - Dichloroethylene (1,1-DCE), State MCL 6.0 ug/L.
1,2 - Dichloroethylene (1,2-DCE) total, results include cis-1,2-DCE (State MCL 6.0 ug/L) and trans-1,2-DCE.
Chloroform, Federal MCL 100 ug/L.
Benzene, State MCL 1.0 ug/L.
Toluene, State DTSC Action Level 100 ug/L.
Ethylbenzene, State MCL 680 ug/L.
Xylenes (total), State MCL 1,750 ug/L.

5) = Result exceeds regulatory standard

5.0 SEMIVOLATILE ORGANIC COMPOUND ANALYSES

During the January-February 1996 sampling round, groundwater samples were collected from 78 monitoring wells/ports in the MCAS El Toro GWMP and analyzed for semivolatile organic compounds (SVOCs) using the CLP method. The SVOC analysis tested for 64 compounds on the CLP Target Compound List (TCL).

Table 5-1 lists the results of SVOC analyses from the current sampling round as well as SVOC results from prior sampling conducted during the Phase I RI. Table 5-1 lists the results for only the detected SVOCs. Complete results of the SVOC analyses from the current round are included in the laboratory analytical reports in Volume II - Appendix E.

Semivolatile TCL compounds were detected in groundwater samples collected from a total of 11 monitoring wells of the 78 wells sampled. The primary SVOCs found in the samples were bis (2-ethylhexyl) phthalate (detected in 4 samples) and diethyl phthalate (detected in 5 samples). The samples with the highest concentrations of bis (2-ethylhexyl) phthalate were collected from Well 18 BGMW01A (62.5 μg/L), Well 18 BGMW01E (46 μg/L), and Well 18 MCAS10 (31 μg/L). The samples with the highest concentrations of diethyl phthalate were collected from Well 14 DBMW50 (38 μg/L) and Well 14 DGMW79 (21 μg/L). Other SVOCs detected include napthalene (Well 18 BGMW01D, 35 μg/L) and N-nitrosodiphenylamine (Wells 18 BGMW01A, 51 μg/L, and 18 BGMW05A, 15 μg/L).

All of the SVOCs detected in the current sampling round were found in the prior groundwater sampling rounds in 1992-93 except naphthalene (reported in sample Well 18 BGMWO1D). However, the number of wells where SVOCs were detected are significantly less than found in 1992-93 (Table 5-1).

Table 5-1: SUMMARY OF SEMIVOLATILE ORGANIC COMPOUND ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
01_DGMW57	83	12-Oct-92	64	0					
		14-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	49.0		4.0	2
		7-Feb-96	64	0					
01_DGMW58	77	14-Dec-92	64	0					
		14-Jun-93	64	0					
		14-Jun-93	64	0					
02_DGMW59	89	15-Dec-92	64	0					
		23-Jun-93	64	0					
		6-Feb-96	64	0					
02_DGMW60	100	18-Nov-92	64	0					
		23-Jun-93	64	0					
		6-Feb-96	64	0					
02_DGMW61	100	14-Dec-92	64	0					
		22-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	2.0	J	4.0	2
		8-Feb-96	64	0					
02_UGMW25	75	9-Dec-92	64	0					
		22-Jun-93	64	0					
		7-Feb-96	64	0					
03_DBMW39	270	9-Oct-92	64	0					
		21-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	9.0	J	4.0	2
		21-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	14.0		4.0	2
		30-Jan-96	64	0					
03_DGMW64	285	15-Jan-93	64	0					
		2-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	6.0	J	4.0	2
		26-Feb-96	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	11.0		4.0	2
03_DGMW65X	270	18-Jan-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	2.0	J	4.0	2
		7-Jul-93	64	0					
		26-Feb-96	64	0					
03_UGMW26	270	1-Oct-92	64	0					
		23-Jun-93	64	0					
		27-Feb-96	64	0					
04_DBMW40	260	3-Dec-92	64	0					
		24-Jun-93	64	0					
		26-Feb-96	64	0					
04_DGMW66	290	20-Nov-92	64	0					
		24-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	3.0	J	4.0	2
		26-Feb-96	64	0					

Table 5-1: SUMMARY OF SEMIVOLATILE ORGANIC COMPOUND ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
04_UGMW63	275	24-Nov-92	64	0					
		25-Jun-93	64	0					
		30-Jan-96	64	0					
05_DBMW41	222	16-Nov-92	64	0					
		16-Nov-92	64	0					
		20-Oct-93	64	0					
		7-Feb-96	64	0					
05_DGMW67	227	30-Nov-92	64	0					
		30-Nov-92	64	0					
		3-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	12.0		4.0	2
		9-Feb-96	64	0					
05_DGMW68	210	17-Dec-92	64	0					
		29-Jun-93	64	0					
		27-Feb-96	64	0					
05_UGMW27	238	3-Dec-92	64	0					
		3-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	8.0	J	4.0	2
		3-Jun-93	64	0					
		3-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	8.0	J	4.0	2
		3-Jun-93	64	0					
		29-Jan-96	64	0					
06_DGMW69	190	2-Dec-92	64	1	PHENOL	14.0		5.0	3
		7-Jul-93	64	0					
		2-Feb-96	64	0					
06_UGMW28	180	13-Nov-92	64	1	BENZYL BUTYL PHTHALATE	3.0	J		NA
		9-Jul-93	64	0					
		16-Feb-96	64	0					
07_DBMW43	190	1-Dec-92	64	0					
		29-Jun-93	64	0					
07_DBMW100	165	8-Dec-92	64	0					
		4-Jun-93	64	0					
07_DGMW70	155	8-Dec-92	64	0					
		29-Jun-93	64	0					
07_DGMW71	155	15-Dec-92	64	0					
		22-Jun-93	64	0					
07_DGMW72	150	19-Nov-92	64	0					
		21-Jul-93	64	0					
		15-Oct-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	4.0	J	4.0	2
		13-Feb-96	64	0					

Table 5-1: SUMMARY OF SEMIVOLATILE ORGANIC COMPOUND ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
07_DGMW91	150	18-Dec-92	64	0					
		21-Jul-93	64	0					
08_DGMW73	130	2-Dec-92	64	0					
		20-Jul-93	64	0					
		20-Jul-93	64	0					
		14-Feb-96	64	0					
08_DGMW74	130	16-Nov-92	64	0					
		16-Nov-92	64	0					
		20-Jul-93	64	0					
		14-Feb-96	64	0					
08_UGMW29	135	8-Dec-92	64	0					
		9-Jul-93	64	0					
		9-Jul-93	64	0					
		14-Feb-96	64	0					
09_DBMW45	157	10-Dec-92	64	0					
		10-Dec-92	64	0					
		13-Jul-93	64	0					
09_DGMW75	154	1-Dec-92	64	0					
		12-Jul-93	64	0					
10_DGMW77	177	17-Nov-92	64	1	BENZYL BUTYL PHTHALATE	19.0			NA
		13-Aug-93	64	0					
		14-Feb-96	64	0					
12_DBMW48	135	17-Nov-92	64	0					
		27-Jul-93	64	0					
		16-Feb-96	64	0					
12_UGMW31	145	8-Oct-92	64	0					
		7-Jul-93	64	0					
		14-Feb-96	64	0					
13_DBMW49	182	16-Nov-92	64	0					
		30-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	3.0	J	4.0	2
		30-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	5.0	J	4.0	2
		30-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	3.0	J	4.0	2
		30-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	5.0	J	4.0	2
		6-Feb-96	64	0					
13_DGMW78	167	23-Nov-92	64	0					
		16-Jun-93	64	0					
		1-Feb-96	64	0					
13_UGMW32	184	28-Oct-92	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	26.0		4.0	2
		28-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	4.0	J	4.0	2
		5-Feb-96	64	0					

Table 5-1: SUMMARY OF SEMIVOLATILE ORGANIC COMPOUND ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
14_DBMW50	160	2-Dec-92	64	0					
		29-Jun-93	64	0					
		5-Feb-96	64	1	DIETHYL PHTHALATE (DEP)	27.0			NA
		5-Feb-96	64	1	DIETHYL PHTHALATE (DEP)	38.0			NA
14_DGMW79	158	20-Nov-92	64	0					
		16-Jun-93	64	0					
		5-Feb-96	64	1	DIETHYL PHTHALATE (DEP)	21.0			NA
15_DBMW51	165	4-Dec-92	64	0					
		13-Aug-93	64	0					
		8-Oct-93	64	1	PHENOL	3.0	J	5.0	3
		6-Feb-96	64	0					
16_DBMW52	222	4-Nov-92	64	0					
		14-Jul-93	64	0					
		7-Feb-96	64	0					
16_DGMW81	216	11-Dec-92	64	0					
		24-Jun-93	64	0					
		24-Jun-93	64	0					
		8-Feb-96	64	0					
16_UGMW33	220	17-Dec-92	64	0					
		14-Jul-93	64	0					
		14-Jul-93	64	0					
		7-Feb-96	64	0					
17_DGMW82	255	8-Feb-93	64	0					
		3-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	7.0	J	4.0	2
		3-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	10.0	J	4.0	2
		9-Feb-96	64	0					
18_BGMP06A	455	8-Oct-92	64	0					
		12-Aug-93	64	0					
18_BGMP06B	390	7-Oct-92	64	0					
		11-Aug-93	64	0					
18_BGMP06C	305	7-Oct-92	64	0					
		9-Aug-93	64	0					
18_BGMP06D	178	6-Oct-92	64	0					
		6-Oct-92	64	0					
		6-Oct-92	64	0					
		6-Oct-92	64	0					
		6-Aug-93	64	0					
18_BGMP06E	115	1-Oct-92	64	0					
		2-Aug-93	64	0					

Table 5-1: SUMMARY OF SEMIVOLATILE ORGANIC COMPOUND ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_BGMP08A	449	17-Oct-92	64	0					
		11-Jun-93	64	0					
18_BGMP08B	307	15-Oct-92	64	0					
		10-Jun-93	64	0					
18_BGMP08C	136	13-Oct-92	64	0					
		15-Oct-92	64	0					
		14-Jun-93	64	0					
		15-Jun-93	64	0					
18_BGMP08D	71	12-Oct-92	64	0					
		10-Jun-93	64	0					
		10-Jun-93	64	0					
		10-Jun-93	64	0					
		10-Jun-93	64	0					
18_BGMP09A	463	23-Oct-92	64	0					
		22-Jun-93	64	0					
18_BGMP09B	385	23-Oct-92	64	0					
		21-Jun-93	64	0					
18_BGMP09C	268	22-Oct-92	64	0					
		18-Jun-93	64	0					
18_BGMP09D	232	21-Oct-92	64	0					
		17-Jun-93	64	0					
18_BGMP09E	143	20-Oct-92	64	0					
		20-Oct-92	64	0					
		23-Jun-93	64	0					
		24-Jun-93	64	0					
18_BGMP09F	69	19-Oct-92	64	0					
		16-Jun-93	64	0					
18_BGMP10A	1011	20-Jan-93	64	0					
		30-Jul-93	64	0					
18_BGMP10B	896	25-Jan-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	2.0	J	4.0	2
		25-Jan-93	64	0					
		30-Jul-93	64	0					
		23-Jan-96	64	1	DIETHYL PHTHALATE	11.0			NA
18_BGMP10C	762	23-Jan-93	64	0					
		1-Jul-93	64	0					

Table 5-1: SUMMARY OF SEMIVOLATILE ORGANIC COMPOUND ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_BGMP10D	573	22-Jan-93	64	0					
		28-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	4.0	J	4.0	2
		23-Jan-96	64	0					
18_BGMP10E	449	21-Jan-93	64	0					
		29-Jun-93	64	0					
		29-Jun-93	64	0					
18_BGMP10F	228	20-Jan-93	64	0					
		25-Jun-93	64	0					
18_BGMW01A	486	11-Dec-92	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	7.0	J	4.0	2
		1-Jul-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	15.0		4.0	2
					N-NITROSODIPHENYLAMINE	43.0			NA
		1-Jul-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	10.0	J	4.0	2
					N-NITROSODIPHENYLAMINE	38.0			NA
		1-Jul-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	15.0		4.0	2
					N-NITROSODIPHENYLAMINE	43.0			NA
		1-Jul-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	10.0	J	4.0	2
					N-NITROSODIPHENYLAMINE	38.0			NA
		26-Jan-96	64	1	N-NITROSODIPHENYLAMINE	49.0			NA
		26-Jan-96	64	1	N-NITROSODIPHENYLAMINE	51.0			NA
18_BGMW01B	416	14-Dec-92	64	0					
		22-Jun-93	64	1	N-NITROSODIPHENYLAMINE	5.0	J		NA
		26-Jan-96	64	0					
18_BGMW01C	350	16-Dec-92	64	0					
		24-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	2.0	J	4.0	2
		23-Jan-96	64	0					
18_BGMW01D	262	9-Dec-92	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	2.0	J	4.0	2
		23-Jan-96	64	1	NAPHTHALENE	35.0			NA
18_BGMW01E	225	27-Oct-92	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	19.0		4.0	2
		27-Oct-92	64	0					
		18-Jun-93	64	0					
		5-Feb-96	64	0					
18_BGMW02A	482	21-Dec-92	64	0					
		8-Jun-93	64	1	N-NITROSODIPHENYLAMINE	11.0			NA
		19-Jan-96	64	0					
18_BGMW02C	378	22-Dec-92	64	0					
		22-Dec-92	64	0					
		9-Jun-93	64	0					
18_BGMW02D	314	18-Dec-92	64	0					
		15-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	5.0	J	4.0	2
		15-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	5.0	J	4.0	2
		15-Jun-93	64	0					
		15-Jun-93	64	0					
		17-Jan-96	64	0					

Table 5-1: SUMMARY OF SEMIVOLATILE ORGANIC COMPOUND ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_BGMW02E	233	21-Sep-92	64	0					
		15-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	5.0	J	4.0	2
		1-Feb-96	64	0					
18_BGMW03A	390	29-Oct-92	64	0					
		14-Jul-93	64	0					
18_BGMW03B	300	28-Oct-92	64	0					
		28-Nov-92	64	0					
		14-Jul-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	5.0	J	4.0	2
		14-Jul-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	6.0	J	4.0	2
		29-Feb-96	64	1	DIETHYL PHTHALATE (DEP)	13.0			NA
18_BGMW03C	242	17-Dec-92	64	0					
		15-Jul-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	8.0	J	4.0	2
		12-Feb-96	64	0					
18_BGMW03E	164	17-Dec-92	64	0					
		17-Dec-92	64	0					
		15-Jul-93	64	0					
18_BGMW04A	306	30-Sep-92	64	0					
		16-Jul-93	64	0					
18_BGMW04B	210	29-Sep-92	64	0					
		13-Jul-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	2.0	J	4.0	2
		13-Jul-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	4.0	J	4.0	2
		19-Jan-96	64	0					
18_BGMW05A	482	15-Dec-92	64	0					
		8-Jul-93	64	1	N-NITROSODIPHENYLAMINE	57.0			NA
		8-Jul-93	64	1	N-NITROSODIPHENYLAMINE	57.0			NA
		26-Jan-96	64	1	N-NITROSODIPHENYLAMINE	12.0			NA
		26-Jan-96	64	1	N-NITROSODIPHENYLAMINE	15.0			NA
18_BGMW05B	341	11-Nov-92	64	0					
		8-Jul-93	64	0					
18_BGMW05C	245	10-Nov-92	64	0					
		10-Nov-92	64	0					
		10-Nov-92	64	0					
		10-Nov-92	64	0					
		9-Jul-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	3.0	J	4.0	2
		29-Feb-96	64	0					
18_BGMW05D	133	3-Nov-92	64	0					
		12-Jul-93	64	0					
18_BGMW07	65	9-Dec-92	64	0					
		18-Jun-93	64	0					

Table 5-1: SUMMARY OF SEMIVOLATILE ORGANIC COMPOUND ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_BGMW12	205	9-Nov-92	64	0					
18_BGMW14	115	20-Oct-92	64	0					
		19-Oct-93	64	0					
18_BGMW15	215	30-Oct-92	64	0					
		9-Jul-93	64	0					
		2-Feb-96	64	0					
18_BGMW16	263	23-Oct-92	64	0					
		23-Oct-92	64	0					
		19-Jul-93	64	1	BENZYL BUTYL PHTHALATE	4.0	J		NA
		19-Jan-96	64	0					
18_BGMW17	255	22-Oct-92	64	0					
		12-Jul-93	64	0					
18_BGMW18	180	10-Nov-92	64	0					
		16-Jul-93	64	0					
18_BGMW19A	468	22-Dec-92	64	0					
		9-Jun-93	64	0					
18_BGMW19B	420	17-Dec-92	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	14.0		4.0	2
		11-Jun-93	64	0					
		11-Mar-96	64	0					
18_BGMW19C	277	24-Sep-92	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	3.0	J	4.0	2
		24-Sep-92	64	0					
		28-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	8.0	J	4.0	2
		29-Feb-96	64	0					
18_BGMW19D	170	25-Sep-92	64	0					
		14-Jun-93	64	0					
18_BGMW19E	138	12-Nov-92	64	0					
		14-Jun-93	64	0					
		14-Jun-93	64	0					
18_BGMW22	287	9-Dec-92	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	3.0	J	4.0	2
		28-Jun-93	64	0					
		22-Jan-96	64	0					
18_BGMW23	104	10-Dec-92	64	0					
		22-Jun-93	64	0					
18_BGMW24	71	12-Nov-92	64	0					
		9-Jul-93	64	0					

Table 5-1: SUMMARY OF SEMIVOLATILE ORGANIC COMPOUND ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_BGMW101	130	13-Nov-92	64	0					
		19-Jul-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	5.0	J	4.0	2
		29-Jan-96	64	0					
18_DW135	135	22-Dec-92	64	0					
		22-Dec-92	64	0					
18_DW250	250	21-Dec-92	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	17.0		4.0	2
					DIMETHYL PHTHALATE	200.0			NA
		6-Jul-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	10.0	J	4.0	2
					DIMETHYL PHTHALATE	140.0			NA
		31-Jan-96	64	0					
18_DW350	350	11-Jan-93	64	1	DIMETHYL PHTHALATE	220.0			
		15-Jun-93	64	1	DIMETHYL PHTHALATE	150.0			
		29-Jan-96	64	0					
18_DW450	450	12-Jan-93	64	1	DIMETHYL PHTHALATE	130.0			NA
		30-Jun-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	8.0	J	4.0	2
					DIMETHYL PHTHALATE	540.0	D		NA
		29-Jan-96	64	0					
18_DW540	540	13-Jan-93	64	1	DIMETHYL PHTHALATE	120.0			NA
		1-Jul-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	4.0	J	4.0	2
					DIMETHYL PHTHALATE	520.0	D		NA
		30-Jan-96	64	0					
18MCAS01-1	70	23-Nov-93	64	0					
		23-Nov-93	64	0					
18MCAS01-2	160	24-Nov-93	64	0					
18MCAS01-4	280	24-Nov-93	64	0					
		29-Nov-93	64	0					
18MCAS01-5	340	30-Nov-93	64	0					
18MCAS01-6	460	16-Dec-93	64	0					
18MCAS01-7	550	1-Dec-93	64	0					
18MCAS02-1	50	9-Nov-93	64	0					
18MCAS02-3	210	20-Nov-93	64	0					
18MCAS02-4	380	11-Nov-93	64	0					
18MCAS02-5	430	12-Nov-93	64	0					

Table 5-1: SUMMARY OF SEMIVOLATILE ORGANIC COMPOUND ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY Number Compounds Analyzed	Number Compounds Detected	TCL SEMIVOLATILE COMPOUNDS DETECTED Compound Detected	Concent. ug/L	Qual. Flag	REGULATORY Standard ug/L	Code
18MCAS02-6	500	15-Nov-93	64	0					
18MCAS02-7	560	16-Nov-93	64	0					
18MCAS02-8	630	8-Nov-93	64	0					
18MCAS03-1	95	22-Nov-93	64	0					
		22-Nov-93	64	0					
18MCAS03-2	170	19-Nov-93	64	0					
		6-Feb-96	64	0					
18MCAS03-3	230	19-Nov-93	64	1	BENZYL BUTYL PHTHALATE	0.8	J		NA
		6-Feb-96	64	0					
18MCAS03-4	350	18-Nov-93	64	0					
18MCAS03-5	430	18-Nov-93	64	0					
18MCAS03-6	500	17-Nov-93	64	0					
18_MCAS04	238	4-Aug-93	64	1	DIMETHYL PHTHALATE	120.0			NA
		9-Feb-96	64	0					
18_MCAS05	148	16-Jun-93	64	1	DIMETHYL PHTHALATE	74.0			NA
		16-Jun-93	64	1	DIMETHYL PHTHALATE	87.0			NA
18_MCAS05A	130	6-Feb-96	64	0					
18_MCAS06	222	16-Jun-93	64	1	DIMETHYL PHTHALATE	150.0			NA
		6-Feb-96	64	0					
18MCAS07-1	100	27-Oct-93	64	0					
		27-Oct-93	64	0					
18MCAS07-2	200	21-Oct-93	64	0					
18MCAS07-3	360	22-Oct-93	64	0					
18MCAS07-4	450	25-Oct-93	64	0					
18MCAS07-5	520	26-Oct-93	64	0					
18MCAS07-6	810	28-Oct-93	64	0					

Table 5-1: SUMMARY OF SEMIVOLATILE ORGANIC COMPOUND ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18MCAS07-7	920	29-Oct-93	64	1	DIMETHYL PHTHALATE	41.0			NA
		8-Feb-96	64	0					
18MCAS07-8	990	1-Nov-93	64	1	4-METHYLPHENOL	41.0			NA
		8-Feb-96	64	0					
18MCAS07-9	1110	2-Nov-93	64	2	4-METHYLPHENOL	29.0			NA
					BIS(2-ETHYLHEXYL)PHTHALATE	2.0	J	4.0	2
		25-Jan-96	64	0					
18_MCAS08	410	5-Aug-93	64	1	DIMETHYL PHTHALATE	150.0			NA
		1-Feb-96	64	0					
18_MCAS09	445	5-Nov-93	64	1	DIMETHYL PHTHALATE	200.0	D		NA
		16-Jan-96	64	0					
18_MCAS10	375	4-Nov-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	3.0	J	4.0	2
					DIMETHYL PHTHALATE	310.0	D		NA
		19-Jan-96	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	31.0		4.0	2
18_PS1	122	2-Jul-93	64	1	DIMETHYL PHTHALATE	110.0			NA
18_PS2	133	15-Dec-92	64	0					
		12-Jul-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	8.0	J	4.0	2
					DIMETHYL PHTHALATE	700.0	D		NA
		18-Jan-96	64	0					
18_PS3	122	10-Dec-92	64	0					
		7-Jun-93	64	0					
18_PS4	118	11-Dec-92	64	0					
		7-Jun-93	64	0					
18_PS5	126	16-Dec-92	64	0					
		8-Jun-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	5.0	J	4.0	2
					DIMETHYL PHTHALATE	740.0	D		NA
		22-Jan-96	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	10.0		4.0	2
					DIMETHYL PHTHALATE	27.0			NA
18_PS6	150	15-Dec-92	64	0					
		15-Dec-92	64	0					
18_PS7	126	16-Dec-92	64	0					
		2-Jul-93	64	1	DIMETHYL PHTHALATE	410.0	D		NA
		22-Jan-96	64	0					
18_PS8	145	14-Dec-92	64	0					
		6-Jul-93	64	1	DIMETHYL PHTHALATE	360.0	D		NA
		26-Jan-96	64	0					

Table 5-1: SUMMARY OF SEMIVOLATILE ORGANIC COMPOUND ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_RW1	470	14-Dec-92	64	0					
		15-Dec-92	64	0					
		8-Jul-93	64	1	DIMETHYL PHTHALATE	420.0	D		NA
		23-Jan-96	64	0					
18_RW2	310	22-Dec-92	64	0					
		13-Jul-93	64	1	DIMETHYL PHTHALATE	130.0			NA
		24-Jan-96	64	0					
18_RW3	390	4-Jun-93	64	1	DIMETHYL PHTHALATE	270.0	D		NA
18_RW4	85	7-Jun-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	8.0	J	4.0	2
					DIMETHYL PHTHALATE	83.0			NA
19_DBMW54	181	18-Dec-92	64	0					
		22-Jun-93	64	0					
19_DGMW85	183	16-Dec-92	64	0					
		16-Dec-92	64	0					
		10-Jun-93	64	0					
19_DGMW86	198	17-Dec-92	64	0					
		11-Jun-93	64	0					
19_UGMW35	185	8-Dec-92	64	0					
		15-Jul-93	64	0					
		12-Sep-92	64	0					
20_DBMW55	227	9-Dec-92	64	0					
		17-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	23.0		4.0	2
		27-Feb-96	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	34.0		4.0	2
20_DGMW88	225	4-Nov-92	64	0					
		17-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	22.0		4.0	2
		1-Feb-96	64	0					
20_UGMW36	223	28-Oct-92	64	0					
		18-Jun-93	64	0					
21_DBMW56	132	18-Nov-92	64	0					
		18-Nov-92	64	0					
		24-Jun-93	64	0					
21_DGMW90	135	18-Dec-92	64	0					
		10-Jun-93	64	0					
21_UGMW37	130	13-Nov-92	64	0					
		7-Jul-93	64	0					

Table 5-1: SUMMARY OF SEMIVOLATILE ORGANIC COMPOUND ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
22_DBMW47	156	29-Sep-92	64	0					
		13-Jul-93	64	0					
		15-Feb-96	64	0					

EXPLANATION:
Regulatory Standard Codes: 1 = Federal MCL, 2 = State MCL, 3 = State Action Level
TCL = target compound list, MCL = maximum contaminant level
J = estimated value, D = value from diluted sample
= Result exceeds regulatory standard

6.0 PESTICIDE AND HERBICIDE ANALYSES

During the January-February 1996 sampling round, groundwater samples were collected from a limited group of monitoring wells/ports and analyzed for organochlorine pesticides and PCBs using CLP method, and chlorinated herbicides using EPA Method 8150. The results of pesticide and herbicide groundwater analyses are summarized in Tables 6-1 and 6-2, respectively. Complete results of the pesticide and herbicide analyses from the current round are included in the laboratory analytical reports in Volume II - Appendix E.

6.1 PESTICIDES AND PCBs

Table 6-1 summarizes the results of pesticide analyses from the current sampling round as well as results (detected compounds only) for pesticide analyses from prior sampling conducted during the Phase I RI. A total of 23 monitoring wells were sampled for pesticides, primarily the wells located at the landfill sites (Sites 2, 3, 4, 5, and 17). No pesticides or PCBs were detected at or above the contract required detection limits (CRDL) in the primary or duplicate samples collected from the monitoring wells during the current sampling round (Table 6-1).

6.2 HERBICIDES

Table 6-2 summarizes the results of herbicide analyses from the current sampling round as well as results (detected compounds only) for herbicide analyses from the prior sampling rounds. A total of 21 monitoring wells were sampled for herbicides, primarily the wells located at the landfill sites (Sites 2, 3, 4, 5, and 17). No herbicides were detected at or above the contract required detection limits (CRDL) in the primary or duplicate samples collected from the monitoring wells during the current sampling round (Table 6-2).

Table 6-1: SUMMARY OF PESTICIDES AND PCBs ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL PESTICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
01_DGMW57	83	10-Dec-92	28	0					
		14-Jun-93	28	0					
01_DGMW58	77	14-Dec-92	28	0					
		14-Jun-93	28	0					
		14-Jun-93	28	0					
02_DGMW59	89	15-Dec-92	28	0					
		23-Jun-93	28	0					
		6-Feb-96	28	0					
		6-Feb-96	28	0					
02_DGMW60	100	18-Nov-92	28	0					
		23-Jun-93	28	0					
		6-Feb-96	28	0					
		6-Feb-96	28	0					
02_DGMW61	100	14-Dec-92	28	0					
		22-Jun-93	28	0					
		8-Feb-96	28	0					
02_UGMW25	75	9-Dec-92	28	0					
		22-Jun-93	28	0					
		7-Feb-96	28	0					
03_DBMW39	270	9-Oct-92	28	0					
		21-Jun-93	28	0					
		21-Jun-93	28	0					
		30-Jan-96	28	0					
03_DGMW64	285	15-Jan-93	28	4	4,4'-DDT	0.11			NA
					BHC-GAMMA(LINDANE)	0.05		0.20	1
					DIELDRIN	0.11		0.05	3
					HEPTACHLOR	0.07		0.01	2
		2-Jun-93	28	0					
		26-Feb-96	28	0					
03_DGMW65X	270	18-Jan-93	28	0					
		7-Jul-93	28	0					
		26-Feb-96	28	0					
03_UGMW26	270	1-Oct-92	28	0					
		23-Jun-93	28	0					
		27-Feb-96	28	0					
04_DBMW40	260	3-Dec-92	28	0					
		24-Jun-93	28	0					
		26-Feb-96	28	0					

Table 6-1: SUMMARY OF PESTICIDES AND PCBs ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL PESTICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
04_DGMW66	290	20-Nov-92	28	0					
		24-Jun-93	28	0					
		26-Feb-96	28	0					
04_UGMW63	275	24-Nov-92	28	0					
		25-Jun-93	28	0					
		30-Jan-96	28	0					
05_DBMW41	222	16-Nov-92	28	0					
		16-Nov-92	28	0					
		20-Oct-93	28	0					
		7-Feb-96	28	0					
05_DGMW67	227	30-Nov-92	28	0					
		30-Nov-92	28	0					
		3-Jun-93	28	0					
		9-Feb-96	28	0					
05_DGMW68	210	17-Dec-92	28	0					
		29-Jun-93	28	0					
		27-Feb-96	28	0					
05_UGMW27	238	3-Dec-92	28	0					
		3-Jun-93	28	0					
		3-Jun-93	28	0					
		29-Jan-96	28	0					
06_DGMW69	190	2-Dec-92	28	0					
		7-Jul-93	28	0					
06_UGMW28	180	13-Nov-92	28	0					
		9-Jul-93	28	0					
07_DBMW43	190	1-Dec-92	28	0					
		29-Jun-93	28	0					
07_DBMW70	165	8-Dec-92	28	0					
		29-Jun-93	28	0					
07_DBMW100	171	8-Dec-92	28	0					
		8-Dec-92	28	0					
		4-Jun-93	28	0					
07_DGMW71	155	15-Dec-92	28	0					
		22-Jun-93	28	0					
07_DGMW72	150	19-Nov-92	28	0					
		21-Jul-93	28	0					
		15-Oct-93	28	0					

Table 6-1: SUMMARY OF PESTICIDES AND PCBs ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL PESTICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
07_DGMW91	150	18-Dec-92	28	0					
		21-Jul-93	28	0					
08_DGMW73	130	2-Dec-92	28	0					
		20-Jul-93	28	0					
		20-Jul-93	28	0					
		14-Feb-96	28	0					
08_DGMW74	130	16-Nov-92	28	0					
		16-Nov-92	28	0					
		16-Nov-92	28	0					
		16-Nov-92	28	0					
		20-Jul-93	28	0					
		14-Feb-96	28	0					
08_UGMW29	135	8-Dec-92	28	0					
		9-Jul-93	28	0					
		9-Jul-93	28	0					
		14-Feb-96	28	0					
09_DBMW45	157	10-Dec-92	28	0					
		10-Dec-92	28	0					
		13-Jul-93	28	0					
09_DGMW75	154	1-Dec-92	28	0					
		12-Jul-93	28	0					
10_DGMW77	170	17-Nov-92	28	0					
		13-Aug-93	28	0					
12_DBMW48	135	17-Nov-92	28	0					
		27-Jul-93	28	0					
12_UGMW31	145	8-Oct-92	28	0					
		7-Jul-93	28	0					
13_DBMW49	182	16-Nov-92	28	0					
		30-Jun-93	28	0					
		30-Jun-93	28	0					
13_DGMW78	167	23-Nov-92	28	0					
		16-Jun-93	28	0					
13_UGMW32	184	28-Oct-92	28	0					
		28-Jun-93	28	0					
14_DBMW50	160	2-Dec-92	28	0					
		29-Jun-93	28	0					

Table 6-1: SUMMARY OF PESTICIDES AND PCBs ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL PESTICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
14_DGMW79	158	20-Nov-92	28	0					
		16-Jun-93	28	0					
15_DBMW51	165	4-Dec-92	28	0					
		13-Aug-93	28	0					
		8-Oct-93	28	0					
16_DBMW52	222	4-Nov-92	28	0					
		14-Jul-93	28	0					
16_DGMW81	216	11-Dec-92	28	0					
		24-Jun-93	28	0					
		24-Jun-93	28	0					
16_DGMW33	220	17-Dec-92	28	0					
		14-Jul-93	28	0					
		14-Jul-93	28	0					
17_DGMW82	255	8-Feb-93	28	0					
		3-Jun-93	28	0					
		3-Jun-93	28	0					
		9-Feb-96	28	0					
18_BGMP06A	455	8-Oct-92	28	0					
		12-Aug-93	28	0					
18_BGMP06B	390	7-Oct-92	28	0					
		11-Aug-93	28	0					
18_BGMP06C	305	7-Oct-92	28	0					
		9-Aug-93	28	0					
18_BGMP06D	178	6-Oct-92	28	0					
		6-Oct-92	28	0					
		6-Aug-93	28	0					
18_BGMP06E	115	1-Oct-92	28	0					
		2-Aug-93	28	0					
18_BGMP08A	449	17-Oct-92	28	0					
		11-Jun-93	28	0					
18_BGMP08B	307	15-Oct-92	28	0					
		10-Jun-93	28	0					
18_BGMP08C	136	13-Oct-92	28	0					
		15-Oct-92	28	0					
		14-Jun-93	28	0					
		15-Jun-93	28	0					

Table 6-1: SUMMARY OF PESTICIDES AND PCBs ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL PESTICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_BGMP08D	71	12-Oct-92	28	0					
		10-Jun-93	28	0					
		10-Jun-93	28	0					
18_BGMP09A	463	23-Oct-92	28	0					
		22-Jun-93	28	0					
18_BGMP09B	896	23-Oct-92	28	0					
		21-Jun-93	28	0					
18_BGMP09C	268	22-Oct-92	28	0					
		18-Jun-93	28	0					
18_BGMP09D	232	21-Oct-92	28	0					
		17-Jun-93	28	0					
18_BGMP09E	143	20-Oct-92	28	0					
		20-Oct-92	28	0					
		23-Jun-93	28	0					
		24-Jun-93	28	0					
18_BGMP09F	69	19-Oct-92	28	0					
		16-Jun-93	28	0					
18_BGMP10A	1011	20-Jan-93	28	0					
		30-Jul-93	28	0					
18_BGMP10B	896	25-Jan-93	28	0					
		25-Jan-93	28	0					
		30-Jul-93	28	0					
18_BGMP10C	762	23-Jan-93	28	0					
		1-Jul-93	28	0					
18_BGMP10D	573	22-Jan-93	28	0					
		28-Jun-93	28	0					
18_BGMP10E	449	21-Jan-93	28	0					
		29-Jun-93	28	0					
		29-Jun-93	28	0					
18_BGMP10F	228	20-Jan-93	28	0					
		25-Jun-93	28	0					
18_BGMW01A	486	11-Dec-92	28	0					
		1-Jul-93	28	0					
		1-Jul-93	28	0					
		1-Jul-93	28	0					
		1-Jul-93	28	0					

Table 6-1: SUMMARY OF PESTICIDES AND PCBs ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL PESTICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_BGMW01B	416	14-Dec-92	28	0					
		22-Jun-93	28	0					
18_BGMW01C	350	16-Dec-92	28	0					
		24-Jun-93	28	0					
18_BGMW01D	262	9-Dec-92	28	0					
18_BGMW01E	225	27-Oct-92	28	1	BHC-GAMMA(LINDANE)	0.01		0.20	1
		27-Oct-92	28	1	BHC-GAMMA(LINDANE)	0.01		0.20	1
		18-Jun-93	28	0					
		5-Feb-96	28	0					
18_BGMW02A	482	21-Dec-92	28	0					
		8-Jun-93	28	0					
18_BGMW02C	378	22-Dec-92	28	0					
		22-Dec-92	28	0					
		9-Jun-93	28	0					
18_BGMW02D	314	18-Dec-92	28	0					
		15-Jun-93	28	0					
		15-Jun-93	28	0					
18_BGMW02E	233	21-Sep-92	28	0					
		15-Jun-93	28	0					
18_BGMW03A	390	29-Oct-92	28	0					
		14-Jul-93	28	0					
18_BGMW03B	300	28-Oct-92	28	0					
		28-Nov-92	28	0					
		14-Jul-93	28	0					
		14-Jul-93	28	0					
18_BGMW03C	242	17-Dec-92	28	0					
		15-Jul-93	28	0					
18_BGMW03E	164	17-Dec-92	28	0					
		17-Dec-92	28	0					
		15-Jul-93	28	0					
18_BGMW04A	306	30-Sep-92	28	0					
		16-Jul-93	28	0					
18_BGMW04B	210	29-Sep-92	28	0					
		13-Jul-93	28	0					
		13-Jul-93	28	0					

Table 6-1: SUMMARY OF PESTICIDES AND PCBs ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL PESTICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_BGMW05A	482	15-Dec-92	28	0					
		8-Jul-93	28	0					
		8-Jul-93	28	0					
18_BGMW05B	341	11-Nov-92	28	0					
		8-Jul-93	28	0					
18_BGMW05C	245	10-Nov-92	28	0					
		10-Nov-92	28	0					
		10-Nov-92	28	0					
		10-Nov-92	28	0					
		9-Jul-93	28	0					
18_BGMW05D	133	12-Jul-93	28	0					
18_BGMW07	65	9-Dec-92	28	0					
		18-Jun-93	28	0					
18_BGMW12	205	9-Nov-92	28	0					
18_BGMW14	115	20-Oct-92	28	0					
		19-Oct-93	28	0					
18_BGMW15	215	30-Oct-92	28	0					
		9-Jul-93	28	0					
18_BGMW16	263	23-Oct-92	28	0					
		23-Oct-92	28	0					
		19-Jul-93	28	0					
18_BGMW17	255	22-Oct-92	28	0					
		12-Jul-93	28	0					
18_BGMW18	180	10-Nov-92	28	0					
		16-Jul-93	28	0					
18_BGMW19A	468	22-Dec-92	28	0					
		9-Jun-93	28	0					
18_BGMW19B	420	17-Dec-92	28	0					
		11-Jun-93	28	0					
18_BGMW19C	277	24-Sep-92	28	1	4,4'-DDT	0.01	J		NA
		24-Sep-92	28	0					
		28-Jun-93	28	0					
		29-Feb-96	28	0					
18_BGMW19D	170	25-Sep-92	28	0					
		14-Jun-93	28	0					

Table 6-1: SUMMARY OF PESTICIDES AND PCBs ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL PESTICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_BGMW19E	138	12-Nov-92	28	5	4,4'-DDT	0.14			NA
					BHC-GAMMA(LINDANE)	0.06		0.20	1
					DIELDRIN	0.14		0.05	3
					HEPTACHLOR	0.07		0.01	2
		14-Jun-93	28	0					
		14-Jun-93	28	0					
		6-Feb-96	28	0					
18_BGMW22	287	9-Dec-92	28	0					
		28-Jun-93	28	0					
18_BGMW23	104	10-Dec-92	28	0					
		22-Jun-93	28	0					
18_BGMW24	71	12-Nov-92	28	0					
		9-Jul-93	28	0					
18_BGMW101	130	13-Nov-92	28	0					
		19-Jul-93	28	0					
18_DW135	135	22-Dec-92	28	0					
		22-Dec-92	28	0					
18_DW250	250	21-Dec-92	28	0					
		6-Jul-93	28	0					
18_DW350	350	11-Jan-93	28	0					
		15-Jun-93	28	0					
18_DW450	450	12-Jan-93	28	0					
		30-Jun-93	28	0					
18_DW540	540	13-Jan-93	28	0					
		1-Jul-93	28	0					
18_MCAS02-1	50	9-Nov-93	28	0					
18_MCAS02-3	210	20-Nov-93	28	0					
18_MCAS02-4	380	11-Nov-93	28	0					
18_MCAS02-5	430	12-Nov-93	28	0					
18_MCAS02-6	500	15-Nov-93	28	0					
18_MCAS02-7	560	16-Nov-93	28	0					

Table 6-1: SUMMARY OF PESTICIDES AND PCBs ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL PESTICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_MCAS02-8	630	8-Nov-93	28	0					
18_MCAS03-6	500	17-Nov-93	28	0					
18_MCAS05	148	16-Jun-93	28	0					
		16-Jun-93	28	0					
18_MCAS06	222	16-Jun-93	28	0					
18_MCAS07-1	100	27-Oct-93	28	0					
		27-Oct-93	28	0					
18_MCAS07-2	200	21-Oct-93	28	0					
18_MCAS07-3	360	22-Oct-93	28	0					
18_MCAS07-4	450	25-Oct-93	28	0					
18_MCAS07-5	520	26-Oct-93	28	0					
18_MCAS07-6	810	28-Oct-93	28	0					
18_MCAS07-7	920	29-Oct-93	28	0					
18_MCAS07-8	989	1-Nov-93	28	0					
18_MCAS07-9	1110	2-Nov-93	28	0					
18_MCAS09	445	5-Nov-93	28	0					
		5-Nov-93	28	0					
18_MCAS10	375	4-Nov-93	28	0					
18_PS1	122	2-Jul-93	28	0					
18_PS2	133	15-Dec-92	28	0					
		12-Jul-93	28	0					
18_PS3	122	10-Dec-92	28	0					
		7-Jun-93	28	0					
18_PS5	118	16-Dec-92	28	0					
		8-Jun-93	28	0					

Table 6-1: SUMMARY OF PESTICIDES AND PCBs ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL PESTICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_PS6	125	15-Dec-92	28	0					
		15-Dec-92	28	0					
18_PS7	126	16-Dec-92	28	1	ENDOSULFAN SULFATE	0.003			NA
		2-Jul-93	28	0					
		22-Jan-96	28	0					
18_PS8	145	14-Dec-92	28	0					
		6-Jul-93	28	0					
18_RW1	470	14-Dec-92	28	0					
		15-Dec-92	28	0					
		8-Jul-93	28	0					
18_RW2	310	22-Dec-92	28	0					
		13-Jul-93	28	0					
18_RW3	390	4-Jun-93	28	0					
18_RW4	85	7-Jun-93	28	0					
19_DBMW54	181	18-Dec-92	28	0					
		22-Jun-93	28	0					
19_DGMW85	183	16-Dec-92	28	0					
		16-Dec-92	28	0					
		10-Jun-93	28	0					
19_DGMW86	198	17-Dec-92	28	0					
		11-Jun-93	28	0					
19_UGMW35	185	8-Dec-92	28	0					
		15-Jul-93	28	0					
20_DBMW55	227	9-Dec-92	28	0					
		17-Jun-93	28	0					
20_DGMW88	225	4-Nov-92	28	0					
		17-Jun-93	28	0					
20_UGMW36	223	28-Oct-92	28	0					
		18-Jun-93	28	0					
21_DBMW56	132	18-Nov-92	28	0					
		18-Nov-92	28	0					
		24-Jun-93	28	0					

Table 6-1: SUMMARY OF PESTICIDES AND PCBs ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL PESTICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
21_DGMW90	135	18-Dec-92	28	0					
		10-Jun-93	28	0					
21_UGMW37	130	13-Nov-92	28	0					
		7-Jul-93	28	0					
22_DBMW47	156	29-Sep-92	28	0					
		13-Jul-93	28	0					

EXPLANATION

Regulatory Standard Codes: 1 = Federal MCL, 2 = State MCL, 3 = State Action Level
TCL = target compound list, MCL = maximum contaminant level
J = estimated value
= result exceeds regulatory standard

Table 6-2: SUMMARY OF HERBICIDE ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		HERBICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
02_DGMW59	89	15-Dec-92	10	0					
		23-Jun-93	10	0					
		6-Feb-96	8	0					
02_DGMW60	100	18-Nov-92	10	0					
		23-Jun-93	10	0					
		6-Feb-96	8	0					
02_DGMW61	100	14-Dec-92	10	0					
		22-Jun-93	10	0					
		8-Feb-96	8	0					
02_UGMW25	75	9-Dec-92	10	0					
		22-Jun-93	10	0					
		7-Feb-96	8	0					
03_DBMW39	270	9-Oct-92	10	0					
		21-Jun-93	10	0					
		21-Jun-93	10	0					
		30-Jan-96	8	0					
03_DGMW64	285	15-Jan-93	10	0					
		2-Jun-93	10	0					
		26-Feb-96	8	0					
03_DGMW65X	270	18-Jan-93	10	1	DALAPON	2.20			
		7-Jul-93	10	0					
		26-Feb-96	8	0					
03_UGMW26	270	1-Oct-92	10	0					
		23-Jun-93	10	0					
		27-Feb-96	8	0					
04_UGMW63	275	24-Nov-92	10	1	2,4,5-TRICHLOROPHENOXYACETIC ACID	0.94			NA
		30-Jan-96	8	0					
05_DBMW41	222	16-Nov-92	10	0					
		20-Oct-93	10	0					
		7-Feb-96	8	0					
05_DGMW67	227	30-Nov-92	10	1	2,4,5-TRICHLOROPHENOXYACETIC ACID	0.69			NA
		30-Nov-92	10	0					
		3-Jun-93	10	0					
		9-Feb-96	8	0					
05_DGMW68	210	17-Dec-92	10	0					
		29-Jun-93	10	0					
		27-Feb-96	8	0					
05_UGMW27	238	3-Jun-93	10	0					
	238	3-Jun-93	10	0					
		29-Jan-96	8	0					
07_DGMW72	150	21-Jul-93	10	0					
		15-Oct-93	10	0					
07_DGMW91	150	18-Dec-92	10	0					

Table 6-2: SUMMARY OF HERBICIDE ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		HERBICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
08_DGMW73	130	2-Dec-92	10	0					
		20-Jul-93	10	0					
		20-Jul-93	10	0					
08_DGMW74	130	16-Nov-92	10	0					
		16-Nov-92	10	0					
		20-Jul-93	10	0					
08_UGMW29	135	9-Jul-93	10	0					
		9-Jul-93	10	0					
12_DBMW48	135	17-Nov-92	10	0					
		27-Jul-93	10	0					
		16-Feb-96	8	0					
12_UGMW31	145	8-Oct-92	10	9	2,4 DICHLOROPHENOXY ACETIC ACID	8.56		70.00	1
					2,4,5-TP (SILVEX)	2.67		10.00	2
					2,4,5-TRICHLOROPHENOXYACETIC ACID	2.51			NA
					2,4-DB	2.88	J		NA
					DALAPON	2.46	J		NA
					DICAMBA	4.39			NA
					DICHLOROPROP	6.41			NA
					MCPA	3490.00			NA
					MCPP	3530.00			NA
		7-Jul-93	10	0					
		14-Feb-96	8	0					
15_DBMW51	165	8-Oct-93	10	0					
17_DGMW82	255	8-Feb-93	10	0					
		3-Jun-93	10	0					
		3-Jun-93	10	0					
		9-Feb-96	8	0					
18_BGMP08A	449	17-Oct-92	10	0					
		11-Jun-93	10	0					
18_BGMP08B	307	15-Oct-92	10	0					
		10-Jun-93	10	0					
		16-Jan-96	8	0					
18_BGMP08C	136	13-Oct-92	10	1	MCPP	288.00			NA
		15-Oct-92	10	0					
		14-Jun-93	10	0					
		15-Jun-93	10	0					
18_BGMP08D	71	12-Oct-92	10	0					
		10-Jun-93	10	0					
		10-Jun-93	10	0					
18_BGMP09A	463	23-Oct-92	10	0					
		22-Jun-93	10	0					

Table 6-2: SUMMARY OF HERBICIDE ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		HERBICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_BGMP09B	385	23-Oct-92	10	0					
		21-Jun-93	10	0					
18_BGMP09C	268	22-Oct-92	10	0					
		18-Jun-93	10	0					
18_BGMP09D	232	21-Oct-92	10	0					
		17-Jun-93	10	0					
18_BGMP09E	143	20-Oct-92	10	1	DALAPON	1.75			
		20-Oct-92	10	0					
		23-Jun-93	10	0					
		24-Jun-93	10	0					
18_BGMP09F	69	19-Oct-92	10	0					
		16-Jun-93	10	0					
18_BGMP10A	1011	20-Jan-93	10	0					
18_BGMP10B	896	25-Jan-93	10	0					
		25-Jan-93	10	0					
18_BGMP10C	762	23-Jan-93	10	0					
18_BGMP10D	573	22-Jan-93	10	0					
18_BGMP10E	449	21-Jan-93	10	0					
18_BGMP10F	228	20-Jan-93	10	0					
18_BGMW01A	486	11-Dec-92	10	0					
		1-Jul-93	10	0					
		1-Jul-93	10	0					
		1-Jul-93	10	0					
		1-Jul-93	10	0					
18_BGMW01B	416	14-Dec-92	10	0					
		22-Jun-93	10	0					
18_BGMW01C	350	16-Dec-92	10	0					
		24-Jun-93	10	0					
18_BGMW01E	225	18-Jun-93	10	0					
18_BGMW02A	482	21-Dec-92	10	0					
		8-Jun-93	10	1	DICHLOROPROP	10.00			NA
		19-Jan-96	8	0					
18_BGMW02C	378	22-Dec-92	10	0					
		22-Dec-92	10	0					
		9-Jun-93	10	0					

Table 6-2: SUMMARY OF HERBICIDE ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		HERBICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_BGMW02D	314	18-Dec-92	10	0					
		15-Jun-93	10	0					
		15-Jun-93	10	0					
18_BGMW02E	233	21-Sep-92	10	0					
		15-Jun-93	10	0					
18_BGMW03A	390	29-Oct-92	10	0					
		14-Jul-93	10	0					
18_BGMW03B	300	28-Oct-92	10	0					
		28-Nov-92	10	0					
		14-Jul-93	10	0					
		14-Jul-93	10	0					
18_BGMW03C	242	17-Dec-92	10	0					
		15-Jul-93	10	0					
18_BGMW03E	164	17-Dec-92	10	0					
		17-Dec-92	10	0					
		15-Jul-93	10	0					
18_BGMW04A	306	30-Sep-92	10	0					
		16-Jul-93	10	0					
18_BGMW04B	210	29-Sep-92	10	0					
		13-Jul-93	10	0					
		13-Jul-93	10	0					
18_BGMW05A	482	15-Dec-92	10	0					
		8-Jul-93	10	0					
		8-Jul-93	10	0					
18_BGMW05B	341	11-Nov-92	10	0					
		8-Jul-93	10	0					
18_BGMW05C	245	10-Nov-92	10	0					
		10-Nov-92	10	0					
		10-Nov-92	10	0					
		10-Nov-92	10	0					
		9-Jul-93	10	0					
18_BGMW05D	133	3-Nov-92	10	1	DICHLOROPROP	1.01			NA
		12-Jul-93	10	0					
18_BGMW101	130	13-Nov-92	10	1	DICHLOROPROP	0.67			NA
		19-Jul-93	10	0					
18_BGMW14	115	20-Oct-92	10	0					
		19-Oct-93	10	0					
18_BGMW15	215	9-Jul-93	10	0					

Table 6-2: SUMMARY OF HERBICIDE ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		HERBICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_BGMW16	263	23-Oct-92	10	1	DINOSEB	0.42		7.00	1
		23-Oct-92	10	0					
		19-Jul-93	10	0					
18_BGMW17	255	12-Jul-93	10	0					
18_BGMW18	180	16-Jul-93	10	0					
18_BGMW19A	468	22-Dec-92	10	0					
		9-Jun-93	10	0					
18_BGMW19B	420	17-Dec-92	10	0					
		11-Jun-93	10	0					
18_BGMW19C	277	24-Sep-92	10	0					
		24-Sep-92	10	0					
		28-Jun-93	10	0					
18_BGMW19D	170	14-Jun-93	10	0					
18_BGMW19E	138	14-Jun-93	10	0					
		14-Jun-93	10	0					
18_BGMW22	287	9-Dec-92	10	0					
		28-Jun-93	10	0					
18_BGMW23	104	22-Jun-93	10	0					
18_BGMW24	71	9-Jul-93	10	0					
18_DW135	135	22-Dec-92	10	0					
		22-Dec-92	10	0					
18_DW250	250	21-Dec-92	10	0					
		6-Jul-93	10	0					
18_DW350	350	11-Jan-93	10	0					
		15-Jun-93	10	0					
18_DW450	450	12-Jan-93	10	0					
		30-Jun-93	10	0					
18_DW540	540	13-Jan-93	10	0					
		1-Jul-93	10	0					
18_PS1	122	2-Jul-93	10	0					
18_PS2	133	15-Dec-92	10	0					
		12-Jul-93	10	0					

Table 6-2: SUMMARY OF HERBICIDE ANALYSES
MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		HERBICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_PS3	122	10-Dec-92	10	0					
		7-Jun-93	10	0					
18_PS4	118	11-Dec-92	10	0					
		7-Jun-93	10	0					
18_PS5	126	16-Dec-92	10	0					
		8-Jun-93	10	0					
18_PS6	150	15-Dec-92	10	0					
		15-Dec-92	10	0					
18_PS7	126	16-Dec-92	10	0					
		2-Jul-93	10	0					
18_PS8	145	14-Dec-92	10	0					
		6-Jul-93	10	0					
18_RW1	470	14-Dec-92	10	0					
		15-Dec-92	10	1	2,4,5-TRICHLOROPHENOXYACETIC ACID	11.40			NA
		8-Jul-93	10	0					
		23-Jan-96	8	0					
18_RW2	310	22-Dec-92	10	0					
		13-Jul-93	10	0					
18_RW3	390	4-Jun-93	10	0					
18_RW4	85	7-Jun-93	10	0					
21_DBMW56	132	18-Nov-92	10	0					
		18-Nov-92	10	0					
		24-Jun-93	10	0					
21_DGMW90	135	18-Dec-92	10	0					
		10-Jun-93	10	0					
21_UGMW37	130	7-Jul-93	10	0					

EXPLANATION
Regulatory Standard Codes: 1 = Federal maximum contaminant level (MCL), 2 = State MCL
NA = not applicable
= Result exceeds regulatory standard

7.0 METALS ANALYSES

During the January-February 1996 sampling round, groundwater samples were collected from all 163 monitoring wells/monitoring ports in the MCAS El Toro GWMP and analyzed for metals using CLP methods. The metals analyses tested for 23 metals on the CLP Target Analyte List (TAL). Table 7-1 lists the analytical results from the current sampling round as well as metals results from the Phase I RI sampling rounds conducted in 1992-93. Table 7-1 distinguishes samples collected during the current round, which were filtered and unfiltered before analysis. According to the *Final Groundwater Monitoring Plan*, all metals results from the Phase I RI sampling were obtained from filtered samples.

7.1 FILTERED METALS RESULTS

The CLP metals analyses report data for the general minerals calcium, magnesium, potassium, and sodium, and 19 trace metals. The results reported for calcium, magnesium, and sodium indicate a wide range of concentrations in the filtered groundwater samples analyzed during the current monitoring round. The highest calcium concentration reported is 531 milligrams per liter (mg/L), found in the well sample 15 DBMW51. The highest sodium concentration was found in the well sample 18 BGMP09A (849 mg/L). These results and the other general mineral results are comparable to the prior 1992-93 sample data (Table 7-1).

As described in the *Final Groundwater Monitoring Report* (Jacobs, 1995), elevated concentrations of trace metals in groundwater in the vicinity of MCAS El Toro appear to be mainly the result of natural geochemical processes, such as mineralogy of the aquifer materials. Trace metals in groundwater may also be attributed to groundwater pumping and irrigation/agricultural activities (Jacobs, 1995).

Previous metals analyses indicate that elevated levels of iron, manganese, nickel, and selenium are commonly found in groundwater at MCAS El Toro. The 1996 filtered sample metals

analyses generally confirm the prior results for these metals (Table 7-1). The concentrations reported for iron are typically in the range of 200 to 900 μg/L; however, concentrations as high as 17,100 μg/L were reported for the filtered sample from Well 18 MCAS03-6. The majority of the current analyses for manganese and nickel are slightly higher than the 1992-93 results. The highest concentrations of selenium were found in samples from Wells 18 BGMW15 (151 μg/L), and 18 DM135 (116 μg/L). In general, the current analyses for selenium are comparable to the analyses reported for the 1992-93 samples (Table 7-1). As noted in the *Phase I RI Technical Memorandum*, the elevated selenium concentrations in groundwater are probably related to high selenium soils and sediments, which occur in the area of MCAS El Toro.

7.2 UNFILTERED METALS RESULTS

In accordance with the *Final Groundwater Monitoring Plan*, unfiltered samples were also collected and analyzed for CLP metals to assess whether there are differences in the metals results. A comparison of the metals analyses for the filtered and unfiltered samples indicates the following general conclusions:

- Overall, only very minor differences are noted for the metals results for calcium, magnesium, potassium, and sodium analyses performed on the filtered and unfiltered samples.
- The results for chromium, iron, manganese, and zinc typically show that the results for the unfiltered analyses are significantly higher than results for the filtered samples. This relationship is consistent with the expected association of these metals with suspended sediment in groundwater samples.
- In general, very minimal differences are evident in the analyses for lead, nickel, and selenium in the filtered and unfiltered samples.
- The preliminary laboratory results occasionally show a reverse relationship between the metals analyses; namely, dissolved metal concentrations higher than the total (unfiltered) metals analyses.

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0	5.0		50.0	1000.0	300.0	15.0		50.0	2.0	100.0		50.0	50.0			5000.0
01_DGMW57	83	10-Dec-92	F	31.0 U	12.1 U	0.7 B	18.2 B	1.2 U	94,800	3.7 U	1.4 B	2.3 U	0.6 U	37,800	74.7	0.1 U	12.6 B	4,860 B	7.7	2.1 U	99,600	4.3 B	3.8 B
		14-Jun-93	F	19.2 B	12.0 B	1.7 B	12.1 BE	1.4 U	74,400	2.9 U	2.7 B	14.8 B	0.4 U	30,600	44.4	0.1 U	8.1 B	3,650 B	32.5 B	1.2 U	83,200	4.1 B	5.5 B
		7-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	68,000	10.0 U	25.0 U	100.0 U	3.0 U	27,000	37.0	0.2 U	40.0 U	2,530 J	9.0	10.0 U	60,000	50.U	20.0 U
		7-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	68,000	10.0 U	25.0 U	100.0 U	3.0 U	28,000	62.0	0.2 U	40.0 U	2,580 J	7.0	10.0 U	62,000	50.U	20.0 U
01_DGMW58	77	14-Dec-92	F	31.0 U	12.1 U	1.4 B	16.8 B	1.9 B	87,000	3.7 U	1.0 B	17.2 B	0.6 U	13,200	45.4	0.1 U	110.0	2,040 B	2.7 B	2.3 B	36,400	9.1 B	2.4 B
		14-Jun-93	F	10.2 B	9.0 U	2.6 B	23.3 BE	1.4 U	90,300	2.9 U	0.7 U	13.2 b	0.4 U	12,100	2.4 B	0.1 U	91.8	1,150 B	6.9	1.2 U	44,100	11.1 B	2.8 B
		14-Jun-93	F	13.2 B	9.0 U	2.1 B	22.7 BE	1.4 U	89,400	2.9 U	0.7 U	8.2 U	0.4 U	12,000	2.2 B	0.1 U	96.9	1,200 B	8.2 S	1.2 U	43,800	11.9 B	2.2 B
		28-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	81,000	13.0	25.0 U	184.0	3.0	11,000	18.0	0.2 U	110.0	1,750 J	5.0 U	10.0 U	36,000	50.U	24.0
		28-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	82,000	11.0	25.0 U	340.0	4.0	13,000	51.0	0.2 U	110.0	1,750 J	5.0 U	10.0 U	36,000	50.U	31.0
02_DGMW59	89	15-Dec-92	F	872.0	12.1 U	1.8 B	49.9 B	1.2 U	128,000	3.7 U	2.5 B	895.0	0.6 U	34,100	239.0	0.1 U	10.2 B	4,360 B	1.9 BW	2.2 B	95,500	8.3 B	34.4
		23-Jun-93	F	7.8 B	9.7 B	0.7 B	65.6 B	1.4 U	93,200	2.9 U	0.8 B	41.4 B	0.4 U	80,400	83.0	0.2 B	183.0	8,200	15.0 N	1.2 U	126,000	5.9 B	5.1 B
		6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	162,000	10.0 U	25.0 U	100.0 U	3.0 U	42,000	15.0 U	0.2 U	40.0 U	2,250 J	20.0	10.0 U	111,000	50.U	20.0 U
		6-Feb-96	UF	420.0	60.0 U	10.0 U	200.0 U	5.0 U	165,000	21.0	30.0	1200.0	3.0 U	41,000	64.0	0.2 U	40.0 U	2,290 J	20.0	10.0 U	109,000	50.U	20.0 U
02_DGMW59 (D)	89	6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	162,000	10.0 U	25.0 U	100.0 U	3.0 U	42,000	43.0	0.2 U	40.0 U	2,290 J	18.0	10.0 U	111,000	50.U	20.0 U
		6-Feb-96	UF	460.0	60.0 U	10.0 U	200.0 U	5.0 U	163,000	21.0	25.0 U	880.0	3.0 U	42,000	56.0	0.2 U	40.0 U	2,310 J	17.0	10.0 U	111,000	50.U	20.0 U
02_DGMW60	100	18-Nov-92	F	31.0 U	12.1 U	0.7 U	59.8 B	1.2 U	72,400	3.7 U	4.1 B	57.1 B	0.6 U	64,000	24.1	0.1 U	7.7 U	7,740	8.0 BN	2.1 U	129,000	7.0 B	6.6 B
		23-Jun-93	F	20.2 B	12.4 B	1.6 B	36.7 B	1.4 U	118,000	2.9 U	1.9 B	31.8 B	0.4 U	29,500	42.2	0.1 B	31.3 B	4,390 B	3.3 BSN	1.2 U	77,400	6.9 B	8.0 B
		6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	106,000	10.0 U	25.0 U	100.0 U	3.0 U	89,000	15.0 U	0.2 U	40.0 U	8,090	8.0	10.0 U	124,000	50.U	20.0 U
		6-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	111,000	23.0	25.0 U	500.0	3.0 U	82,000	46.0	0.2 U	43.0	7,350	10.0	10.0 U	120,000	50.U	20.0 U
02_DGMW60 (D)	100	6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	109,000	10.0 U	25.0 U	100.0 U	15.0	91,000	17.0	0.2 U	40.0 U	8,540	9.0	10.0 U	127,000	50.U	20.0 U
		6-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	117,000	10.0 U	25.0 U	123.0	6.0	84,000	86.0	0.2 U	43.0	7,700	12.0	10.0 U	126,000	50.U	20.0 U
02_DGMW61	100	14-Dec-92	F	31.0 U	12.1 U	0.7 B	40.3 BE	1.2 U	94,800 E	3.7 U	0.9 U	4.1 B	0.6 U	22,600 E	115.0	0.1 U	7.7 U	4,390 B	4.4 B	2.1 U	57,900 E	4.8 B	2.2 U
		22-Jun-93	F	12.3 B	9.0 U	0.6 B	32.4 BE	1.4 U	99,800	2.9 U	0.7 U	71.1 B	0.4 U	22,800	90.0	0.1 U	7.1 U	3,710 B	10.5 N*	1.2 U	57,800	1.7 U	3.2 B
		8-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	130,000	10.0 U	25.0 U	100.0 U	3.0 U	30,000	15.0 U	0.2 U	40.0 U	3,510 J	57.0	10.0 U	60,000	50.U	20.0 U
		8-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	129,000	10.0 U	25.0 U	100.0 U	3.0 U	30,000	15.0 U	0.2 U	40.0 U	3,570 J	46.0	10.0 U	61,000	50.U	20.0 U
02_UGMW25	75	9-Dec-92	F	31.0 U	12.1 U	4.7 B	34.4 B	1.2 U	93,500	3.7 U	1.6 B	275.0	0.6 U	20,600	70.8	0.1 U	7.7 U	1,280 B	1.5 BWN*	2.1 U	67,100	15.0 B	15.8 B
		22-Jun-93	F	12.8 B	9.9 B	5.2 B	43.7 BE	1.4 U	81,500	2.9 U	3.9 B	19.1 B	0.4 U	17,700	2.0 B	0.1 U	7.1 U	590 B	7.2 SN*	1.2 U	54,900	14.5 B	2.1 B
		7-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	280,000	10.0 U	25.0 U	100.0 U	3.0 U	61,000	15.0 U	0.2 U	40.0 U	994 J	5.0 U	10.0 U	143,000	50.U	20.0 U
		7-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	279,000	10.0 U	25.0 U	100.0 U	3.0 U	61,000	15.0 U	0.2 U	40.0 U	986 J	5.0 U	10.0 U	143,000	50.U	20.0 U
03_DBMW39	270	9-Oct-92	F	31.0 U	12.1 U	10.7 W	62.9 B	1.2 U	27,300	3.7 U	0.9 U	11.0 B	0.3 U	14,900	9.9 B	0.1 U	40.2	2,520 B	6.8 SN	2.1 U	210,000	44.9 B	2.2 U
		21-Jun-93	F	7.2 B	14.0 B	8.2 B	74.1 BE	1.4 U	30,900	3.2 B	0.8 B	76.6 B	0.4 U	16,600	29.0	0.1 U	557.0	2,440 B	7.2 SN*	1.2 U	203,000	33.9 B	2.6 B
		21-Jun-93	F	7.0 U	12.5 B	5.9 BW	75.7 BE	1.4 U	31,200	5.0 B	0.7 U	57.8 B	0.4 U	16,800	29.0	0.1 U	554.0	2,320 B	7.2 SN*	1.2 U	206,000	35.4 B	3.3 B
		30-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	57,000	10.0 U	25.0 U	100.0 U	3.0 U	32,000	20.0	0.2 U	470.0	2,700 J	13.0	10.0 U	182,000	50.U	20.0 U
		30-Jan-96	UF	313.0	60.0 U	12.0	200.0 U	5.0 U	56,000	98.0	25.0 U	4080.0	3.0 U	31,000	68.0	0.2 U	550.0	2,720 J	5.0 U	10.0 U	179,000	50.U	20.0 U
03_DGMW64	285	15-Jan-93	F	31.0 U	12.1 U	3.1 B	35.9 B	1.6 B	57,100	3.7 U	6.2 B	11.0 B	0.6 U	35,300	161.0	0.1 U	96.4	3,790 B	17.4 SN	2.1 U	181,000	18.1 B	3.8 B
		2-Jun-93	F	7.0 U	10.0 B	3.0 BWN	32.0 B	1.4 U	58,700	2.9 B	0.9 B	16.0 B	0.4 U	35,400	300.0	0.1 U	194.0	4,460 B	13.3 B	1.2 U	180,000	10.7 B	2.1 B
		26-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	68,000	46.0	25.0 U	1500.0	7.0	42,000	70.0	0.2 U	670.0	4,510 J	6.0	10.0 U	187,000	50.U	89.0
		26-Feb-96	UF	220.0	60.0 U	10.0 U	200.0 U	5.0 U	69,000	81.0	25.0 U	2270.0	5.0	45,000	95.0	0.2 U	720.0	4,830 J	5.0 U	10.0 U	202,000	50.U	42.0
03_DGMW65X	270	18-Jan-93	F	47.5 B	12.1 U	2.6 B	46.4 B	3.0 B	51,700	3.7 U	4.3 B	4.1 B	0.6 U	27,300	238.0	0.1 U	166.0	3,850 B	14.7 SN	2.1 U	168,000	13.8 B	3.3 B
		7-Jul-93	F	7.8 B	11.7 B	0.7 B	34.7 B	1.4 U	48,000	4.4 B	1.2 B	31.1 B	0.4 U	24,400	189.0	0.1 U	1140.0	3,550 B	8.1 SN	1.2 U	174,000	8.2 B	1.6 B
		26-Feb-96	F	450.0	60.0 U	11.0	200.0 U	5.0 U	73,000	190.0	25.0 U	5370.0	7.0	38,000	55.0	0.2 U	760.0	4,280 J	5.0 U	10.0 U	188,000	50.U	71.0
		26-Feb-96	UF	203.0	60.0 U	10.0 U	200.0 U	5.0 U	76,000	150.0	29.0	3940.0	5.0	37,000	130.0	0.2 U	620.0	4,130 J	5.0 U	10.0 U	170,000	50.U	44.0
03_UGMW26	270	1-Oct-92	F	31.0 U	12.1 U	6.0 B	120.0 B	1.2 U	64,500	5.6 B	2.7 B	5.1 B	0.6 U	30,900	20.0	0.1 U	28.5 B	2,110 B	13.3 S	2.1 U	133,000	29.7 B	5.5 B
		23-Jun-93	F	22.6 B	12.0 B	5.0 B	132.0 B	1.4 U	76,500	4.3 B	0.7 U	35.9 B	0.4 U	34,000	5.7 B	0.1 B	57.4	2,860 B	12.7 SN	1.2 U	121,000	33.5 B	3.7 B
		27-Feb-96	F	200.0 U	60.0 U	12.0	200.0 U	5.0 U	78,000	110.0	25.0 U	1300.0	3.0 U	36,000	17.0	0.2 U	62.0	3,340 J	5.0 U	10.0 U	126,000	50.U	23.0
		27-Feb-96	UF	200.0 U	60.0 U	11.0	200.0 U	5.0 U	81,000	110.0	25.0 U	1300.0	3.0 U	37,000	32.0	0.2 U	66.0	3,420 J	5.0 U	10.0 U	13,000	50.U	28.0
04_DBMW40	260	3-Dec-92	F	69.0 B	12.1 U	2.7 BW	57.6 B	1.2 U	78,500	3.7 U	0.9 U	34.1 B	0.6 U	50,900	11.7 B	0.1 B	39.4 B	4,110 B	13.6 BN*	2.1 U	181,000	20.1 B	2.2 U
		24-Jun-93	F	8.0 B	12.8 B	1.9 B	52.5 BE	1.4 U	80,900	2.9 U	1.6 B	51.7 B	0.4 U	46,500	33.5	0.1 U	55.9	3,980 B	20.2 B	1.2 U	184,000	22.9 B	1.5 B
		26-Feb-96	F	1300.0	60.0 U	10.0 U	200.0 U	5.0 U	83,000	81.0	25.0 U	3600.0	8.0	41,000	120.0	1.3	86.0	4,940 J	10.0	10.0 U	189,000	51	210.0
		26-Feb-96	UF	900.0	60.0 U	10.0 U	200.0 U	5.0 U	82,000	50.0	25.0 U	2000.0	8.0	40,000	110.0	1.3	79.0	4,700 J	9.0	10.0 U	186,000	50.U	210.0

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0	5.0		50.0	1000.0	300.0	15.0		50.0	2.0	100.0		50.0	50.0			5000.0
04_DGMW66	290	20-Nov-92	F	31.0 U	12.1 U	2.8 B	41.1 BE	2.3 B	82,500	3.7 U	0.9 U	36.5 B	0.6 U	30,600	16.8	0.1 U	107.0	2,830 B	14.0 BN	2.1 U	112,000	21.2 B	4.2 B
		24-Jun-93	F	8.0 B	9.0 U	3.1 BW	43.6 BE	1.4 U	87,200	2.9 U	0.7 U	20.6 B	0.4 U	31,200	4.8 B	0.1 U	136.0	2,780 B	17.4 B	1.2 U	108,000	18.6 B	2.2 B
		26-Feb-96	F	620.0	60.0 U	10.0 U	200.0 U	5.0 U	95,000	547.0	25.0 U	3960.0	5.0	33,000	24.0	0.2 U	110.0	3,600 J	5.0 U	10.0 U	104,000	50 U	82.0
		26-Feb-96	UF	410.0	60.0 U	10.0 U	200.0 U	5.0 U	96,000	370.0	28.0	3640.0	6.0	33,000	53.0	0.2 U	130.0	3,580 J	5.0 U	10.0 U	105,000	50 U	100.0
04_UGMW63	275	24-Nov-92	F	31.3 B	14.7 B	0.9 B	76.8 BE	1.2 U	134,000	3.7 U	0.9 U	142.0	0.6 U	67,200	337.0	0.1 U	17.1 B	3,140 B	8.2 BN	2.1 U	77,400	20.1 B	8.3 B
		25-Jun-93	F	10.5 B	22.0 B	2.4 B	96.5 BE	1.4 U	142,000	2.9 U	1.0 B	8.2 U	0.4 U	70,600	359.0	0.1 U	7.1 U	3,380 B	12.2 B	1.2 U	78,600	23.5 B	4.0 B
		30-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	129,000	10.0 U	25.0 U	100.0 U	5.0	58,000	42.0	0.2 U	550.0	2,810 J	26.0	10.0 U	88,000	50 U	21.0
		30-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	124,000	18.0	25.0 U	310.0	3.0 U	55,000	37.0	0.2 U	530.0	2,590 J	21.0	10.0 U	82,000	50 U	22.0
05_DBMW41	222	16-Nov-92	F	31.0 U	12.1 U	1.4 B	22.6 B	1.2 U	99,200	3.7 U	0.9 U	14.1 B	0.6 U	29,100	6.5 B	0.1 U	16.0 B	2,830 B	6.4 BN	2.1 U	99,100	10.5 B	2.4 B
		16-Nov-92	F	31.0 U	12.1 U	1.4 B	22.5 B	1.2 U	98,900	3.7 U	0.9 U	17.8 B	0.6 U	28,900	6.5 B	0.1 U	13.3 B	2,850 B	8.2 BN	2.1 U	96,900	12.2 B	2.4 B
		20-Oct-93	F	23.5 B*	18.8 B	1.9 B	47.8 B	0.7 U	110,000	2.8 U	4.5 B	12.8 B	0.5 U	32,000	15.0 U	0.1 U	17.8 B	2,610 B	8.2 B	1.8 U	124,000	11.8 B	2.0 B*
		7-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	112,000	10.0 U	25.0 U	100.0 U	3.0 U	33,000	15.0 U	0.2 U	40.0 U	2,200 J	6.0	10.0 U	143,000	50 U	20.0 U
		7-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	110,000	10.0 U	25.0 U	100.0 U	3.0 U	33,000	15.0 U	0.2 U	40.0 U	2,140 J	6.0	10.0 U	143,000	50 U	20.0 U
05_DGMW67	227	30-Nov-92	F	38.9 B	12.1 U	2.6 B	68.5 B	1.2 U	128,000	3.7 U	0.9 U	2.3 U	0.6 U	36,100	1.5 B	0.2	7.7 U	1,960 B	6.4	2.1 U	127,000	13.2 B	2.2 U
		30-Nov-92	F	50.7 B	12.1 U	2.3 B	69.6 B	1.2 U	131,000	3.7 U	0.9 U	2.3 U	0.6 U	36,700	2.3 B	0.2 B	7.7 U	2,090 B	6.3	2.1 U	128,000	14.0 B	2.2 U
		3-Jun-93	F	30.4 B	18.8 B	4.4 BWN	62.2 B	1.4 U	128,000	2.9 U	2.1 B	13.6 B	0.4 U	35,400	1.8 B	0.1 U	13.0 B	2,400 B	8.7 B	1.8 B	117,000	14.6 B	2.7 B
		9-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	149,000	10.0 U	25.0 U	100.0 U	3.0 U	43,000	15.0 U	0.2 U	40.0 U	1,950 J	5.0 U	10.0 U	116,000	50 U	20.0 U
		9-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	150,000	10.0 U	25.0 U	100.0 U	3.0 U	44,000	15.0 U	0.2 U	40.0 U	1,960 J	5.0 U	10.0 U	116,000	50 U	20.0 U
05_DGMW68	210	17-Dec-92	F	31.0 U	20.8 B	1.6 B	29.2 B	1.2 U	116,000	3.7 U	1.2 B	17.7 B	0.6 U	33,700	20.6	0.1 U	29.2 B	3,350 B	8.5 S	2.5 B	122,000	13.6 B	2.2 U
		25-Jun-93	F	12.0 B	16.1 B	1.1 B	31.2 BE	1.4 U	122,000	3.0 B	0.7 U	33.4 B	0.4 U	35,800	5.1 B	0.1 U	138.0	3,400 B	9.4 B	1.2 U	120,000	12.5 B	2.6 B
		27-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	136,000	40.0	25.0 U	210.0	3.0 U	42,000	15.0 U	0.2 U	110.0	4,010 J	5.0 U	10.0 U	125,000	50 U	19.0 J
		27-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	137,000	263.0	25.0 U	2630.0	3.0 U	42,000	37.0	0.2 U	130.0	4,050 J	5.0 U	10.0 U	126,000	50 U	45.0
05_UGMW27	238	3-Dec-92	F	31.0 U	12.1 U	4.0 B	45.2 B	1.2 U	121,000	3.7 U	1.2 B	6.4 B	0.6 U	33,000	2.3 B	0.1 U	7.7 U	1,830 B	9.6 BN*	2.1 U	108,000	13.1 B	2.2 U
		3-Jun-93	F	22.8 B	9.0 U	5.0 BWN	46.4 B	1.4 U	124,000	2.9 U	0.9 B	32.2 B	0.4 U	34,400	1.1 B	0.1 U	7.1 U	2,240 B	7.0 B	1.2 U	108,000	15.1 B	6.0 B
		29-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	133,000	10.0 U	25.0 U	100.0 U	3.0 U	37,000	15.0 U	0.2 U	40.0 U	1,810 J	11.0	10.0 U	116,000	50 U	20.0 U
		29-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	138,000	10.0 U	25.0 U	100.0 U	3.0 U	37,000	15.0 U	0.2 U	40.0 U	1,860 J	13.0	10.0 U	119,000	50 U	20.0 U
06_DGMW69	190	2-Dec-92	F	43.9 B	12.9 B	0.7 U	48.0 B	15.3	169,000	3.7 U	0.9 U	104.0	0.6 U	47,800	167.0	0.1 B	866.0	3,350 B	31.4	2.1 U	76,000	5.7 B	4.4 B
		7-Jul-93	F	18.1 B	19.9 B	0.7 B	53.1 B	1.4 U	170,000	2.9 U	0.7 U	64.0 B	0.4 U	47,900	15.0 B	0.1 U	434.0	3,180 B	36.8 N	1.2 U	78,000	12.3 B	4.3 B
		2-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	166,000	10.0 U	25.0 U	109.0	6.0	48,000	15.0	0.2 U	280.0	3,270 J	35.0	10.0 U	80,000	50 U	20.0 U
		2-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	168,000	56.0	25.0 U	530.0	3.0 U	48,000	30.0	0.2 U	290.0	3,380 J	31.0	10.0 U	82,000	50 U	20.0 U
06_UGMW28	180	13-Nov-92	F	31.0 U	19.8 B	0.7 U	34.4 B	5.2	264,000	3.7 U	0.9 U	54.5 B	0.6 U	73,000	197.0	0.1 U	230.0	7,220	56.2 SN	2.1 U	109,000	5.4 B	10.9 B
		9-Jul-93	F	27.9 B	19.8 B	1.0 B	33.2 BE	1.4 U	266,000	2.9 U	2.5 B	294.0	0.4 U	70,300	37.7	0.1 U	643.0	5,180	58.2	1.2 U	99,900	5.7 B	7.7 B
		16-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	269,000	10.0 U	25.0 U	100.0 U	4.0	72,000	15.0 U	0.2 U	260.0	4,510 J	37.0	10.0 U	104,000	50 U	20.0 U
		16-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	286,000	81.0	25.0 U	430.0	10.0	79,000	15.0 U	0.2 U	280.0	5,010	35.0	10.0 U	115,000	50 U	37.0
07_DBMW43	190	1-Dec-92	F	34.2 B	12.1 U	0.7 U	41.3 B	2.4 B	122,000	3.7 U	0.9 U	9.0 B	0.6 U	33,400	90.8	0.1 B	95.8	3,680 B	20.6 B	2.1 U	70,100	10.0 B	2.5 B
		25-Jun-93	F	11.9 B	22.0 B	0.8 U	51.2 BE	1.4 U	150,000	2.9 U	2.8 B	23.4 B	0.4 U	39,200	34.2	0.1 U	615.0	4,920 B	31.6	1.2 U	78,200	5.4 B	2.8 B
		19-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	93,000	10.0 U	25.0 U	119.0	4.0	24,000	44.0	0.2 U	670.0	9,420	5.0 U	10.0 U	76,000	50 U	20.0 U
		19-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	97,000	585.0	45.0	4810.0	10.0	24,000	160.0	0.2 U	882.0	9,330	5.0 U	10.0 U	73,000	50 U	58.0
07_DBMW70	165	8-Dec-92	F	31.0 U	18.4 B	0.7 U	32.2 B	1.2 U	181,000	3.7 U	0.9 U	73.9 B	0.6 U	56,100	28.5	0.1 U	93.8	2,540 B	33.8 N*	2.1 U	82,600	11.8 B	4.2 B
		25-Jun-93	F	11.4 B	17.8 B	0.8 UW	29.7 BE	1.4 U	137,000	8.3 B	0.7 U	60.7 B	0.4 U	38,200	14.4 B	0.1 U	191.0	2,170 B	28.2	1.2 U	102,000	13.0 B	2.4 B
		13-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	148,000	10.0 U	25.0 U	100.0 U	3.0 U	42,000	15.0 U	0.2 U	130.0	2,360 J	20.0 U	10.0 U	115,000	50 U	20.0 U
		13-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	153,000	43.0	25.0 U	440.0	3.0 U	42,000	15.0 U	0.2 U	125.0	2,350 J	23.0	10.0 U	118,000	50 U	116.0
07_DBMW100	171	8-Dec-92	F	31.0 U	16.6 B	0.7 UW	100.0 B	3.0 B	104,000	3.7 U	0.9 U	28.8 B	0.6 U	32,800	42.9	0.1 U	180.0	2,420 B	11.2 BN*	2.1 U	76,400	15.5 B	3.3 U
		8-Dec-92	F	31.0 U	16.6 B	0.8 BW	100.0 B	2.5 B	104,000	3.7 U	0.9 U	26.1 B	0.6 U	32,900	44.5	0.1 U	190.0	2,570 B	10.6 BN*	2.1 U	77,000	14.3 B	2.2 B
		4-Jun-93	F	21.3 B	9.0 U	0.8 BWN	124.0 B	1.4 U	107,000	5.7 B	0.7 U	50.6 B	0.4 U	33,800	8.9 B	0.1 U	608.0	2,510 B	7.0 U	1.2 U	87,500	9.3 B	3.8 B
		31-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	103,000	10.0 U	25.0 U	100.0 U	3.0	33,000	15.0 U	0.2 U	160.0	2,170 J	11.0	10.0 U	68,000	50 U	20.0 U
		31-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	101,000	84.0	25.0 U	500.0	4.0	32,000	22.0	0.2 U	150.0	2,110 J	14.0	10.0 U	66,000	50 U	20.0 U
07_DGMW71	155	15-Dec-92	F	31.0 U	12.1 U	0.7 B	41.1 BE	1.2 U	139,000 E	3.7 U	0.9 U	12.0 B	0.6 U	35,500 E	16.0	0.1 U	49.6	2,700 B	17.8 B	2.6 B	85,100 E	15.0 B	4.4 B
		22-Jun-93	F	19.8 B	15.9 B	0.7 BW	42.9 BE	1.4 U	141,000	2.9 U	0.8 B	48.7 B	0.4 U	36,500	11.1 B	0.1 U	190.0	2,600 B	17.3 BN*	1.2 U	88,500	14.1 B	3.7 B
		13-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	141,000	10.0 U	25.0 U	100.0 U	3.0 U	37,000	15.0 U	0.2 U	56.0	2,430 J	5.0 U	10.0 U	88,000	50 U	20.0 U
		13-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	141,000	33.0	25.0 U	545.0	3.0 U	37,000	15.0 U	0.2 U	57.0	2,400 J	5.0 U	10.0 U	86,000	50 U	20.0 U

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0	5.0		50.0	1000.0	300.0	15.0		50.0	2.0	100.0		50.0	50.0			5000.0
07_DGMW72	150	19-Nov-92	F	31.0 U	16.1 B	0.7 U	51.1 BE	1.3 B	136,000	3.7 U	0.9 U	24.1 B	0.6 U	40,300	8.4 B	0.1 U	11.6 B	2,250 B	5.4 BN	2.1 U	88,800	15.8 B	2.9 B
24		21-Jul-93	F	23.4 B	26.7 B	2.1 B	32.2 B	1.4 U	186,000	2.9 U	1.5 B	8.2 U	0.4 UW	115,000	38.0	0.1 B	19.7 B	5,520	79.4	1.2 U	160,000	9.3 B	6.4 B
		15-Oct-93	F	19.3 B*	18.3 B	0.8 B	56.8 B	0.7 U	129,000	2.8 U	3.6 B	30.9 B	0.5 U	39,000	10.3 B	0.1 U	72.8	2,280 B	10.7 B	1.8 U	92,100	16.5 B	3.7 B*
		13-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	124,000	10.0 U	25.0 U	100.0 U	3.0 U	37,000	15.0 U	0.2 U	45.0	2,270 J	5.0 U	10.0 U	92,000	50 U	20.0 U
		13-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	136,000	22.0	25.0 U	240.0	3.0 U	42,000	15.0 U	0.2 U	48.0	3,150 J	5.0 U	10.0 U	103,000	50 U	20.0 U
07_DGMW91	150	18-Dec-92	F	31.0 U	22.3 B	0.7 U	34.3 B	10.2	146,000	3.7 U	0.9 U	61.0 B	0.6 U	41,100	102.0	0.1 U	567.0	2,540 B	10.9 S	2.1 U	74,800	11.3 B	2.2 U
25		21-Jul-93	F	23.7 B	14.9 B	1.1 B	32.7 B	1.4 U	143,000	2.9 U	0.9 B	17.2 B	0.4 U	38,000	13.1 B	0.1 U	335.0	2,440 B	9.9 S	1.2 U	70,600	15.1 B	5.6 B
		8-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	146,000	10.0 U	25.0 U	100.0 U	3.0 U	43,000	15.0 U	0.2 U	270.0	1,930 J	5.0 U	10.0 U	73,000	50 U	20.0 U
		8-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	147,000	31.0	25.0 U	380.0	3.0 U	44,000	15.0 U	0.2 U	280.0	1,950 J	5.0 U	10.0 U	74,000	50 U	20.0 U
08_DGMW73	130	2-Dec-92	F	41.7 B	12.1 U	1.0 B	137.0 B	1.2 U	120,000	3.7 U	0.9 U	21.5 B	0.6 U	33,600	25.2	0.2 B	122.0	2,450 B	2.5 U	2.1 U	163,000	22.3 B	4.8 B
		20-Jul-93	F	12.6 B	16.5 B	1.9 B	137.0 B	1.4 U	115,000	5.2 B	0.7 U	112.0	0.4 U	29,800	11.9 B	0.1 U	176.0	2,120 B	4.8 B	1.2 U	161,000	22.6 B	2.0 B
		20-Jul-93	F	14.5 B	18.5 B	2.0 B	140.0 B	1.4 U	117,000	5.1 B	0.7 U	108.0	0.4 U	30,300	12.4 B	0.1 U	171.0	2,330 B	4.6 B	1.2 U	164,000	22.1 B	1.8 B
26		14-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	117,000	10.0 U	25.0 U	100.0 U	3.0 U	32,000	17.0	0.2 U	180.0	2,500 J	5.0 U	10.0 U	227,000	50 U	20.0 U
		14-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	125,000	10.0	25.0 U	210.0	3.0 U	33,000	19.0	0.2 U	190.0	2,690 J	5.0 U	10.0 U	245,000	50 U	20.0 U
08_DGMW74	130	16-Nov-92	F	31.0 U	12.1 U	1.9 B	64.6 B	2.5 B	95,700	3.7 U	1.4 B	38.2 B	0.6 U	26,000	24.8	0.1 U	138.0	2,060 B	3.8 BN	2.1 U	138,000	22.9 B	23.0
		20-Jul-93	F	15.4 B	15.1 B	2.7 B	71.0 B	1.4 U	99,800	2.9 U	1.1 B	46.8 B	0.4 U	26,300	6.2 B	0.1 U	130.0	2,260 B	4.6 B	1.2 U	145,000	22.6 B	1.8 B
27		14-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	102,000	10.0 U	25.0 U	100.0 U	3.0 U	28,000	15.0 U	0.2 U	76.0	2,460 J	5.0 U	10.0 U	193,000	50 U	20.0 U
		14-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	96,000	38.0	25.0 U	470.0	3.0 U	27,000	15.0 U	0.2 U	76.0	2,340 J	5.0 U	10.0 U	185,000	50 U	20.0 U
08_UGMW29	135	8-Dec-92	F	31.0 U	12.1 U	0.7 BW	54.6 B	2.1 B	97,900	3.7 U	1.4 B	34.6 B	0.6 U	30,800	110.0	0.1 U	134.0	4,150 B	4.2 BN*	2.1 U	109,000	12.3 B	4.1 B
		9-Jul-93	F	19.4 B	12.2 B	2.1 B	59.6 BE	1.4 U	102,000	2.9 U	0.7 U	48.7 B	0.4 U	30,000	46.7	0.1 U	237.0	3,470 B	7.5 S	1.2 U	100,000	12.1 B	3.7 B
		9-Jul-93	F	28.4 B	19.3 B	2.5 B	59.8 BE	1.4 U	106,000	3.4 B	1.9 B	55.0 B	0.4 U	30,300	48.3	0.1 U	246.0	3,840 B	8.1 S	1.3 B	98,900	12.6 B	2.4 B
28		14-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	129,000	10.0 U	25.0 U	100.0 U	3.0 U	40,000	32.0	0.2 U	710.0	3,440 J	5.0	10.0 U	114,000	50 U	20.0 U
		14-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	130,000	59.0	25.0 U	610.0	3.0 U	40,000	34.0	0.2 U	700.0	3,500 J	8.0	10.0 U	113,000	50 U	20.0 U
09_DBMW45	157	10-Dec-92	F	33.1 B	12.1 U	0.7 U	25.5 B	1.2 U	173,000	3.7 U	0.9 U	5.9 B	0.6 U	45,000	4.3 B	0.1 U	22.2 B	2,320 B	20.2 B	2.1 U	72,800	15.7 B	3.5 B
		10-Dec-92	F	31.0 U	12.2 U	0.7 U	24.9 B	1.2 U	169,000	3.7 U	0.9 U	2.3 U	0.6 U	43,700	4.9 B	0.1 U	18.4 B	2,300 B	22.0 B	2.1 U	70,100	17.0 B	2.2 U
29		13-Jul-93	F	14.3 B	11.5 B	1.6 B	24.6 B	1.4 U	173,000	2.9 U	2.9 B	11.3 B	0.4 U	46,200	2.4 B	0.1 U	17.0 B	2,300 B	19.6 BN	1.2 U	75,700	16.8 B	2.9 B
		15-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	196,000	10.0 U	25.0 U	100.0 U	3.0 U	56,000	15.0 U	0.2 U	40.0 U	3,180 J	14.0	10.0 U	82,000	50 U	20.0 U
		15-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	206,000	26.0	25.0 U	230.0	3.0 U	58,000	15.0 U	0.2 U	44.0	3,400 J	15.0	10.0 U	88,000	50 U	20.0 U
09_DGMW75	154	1-Dec-92	F	44.3 B	14.8 B	0.7 U	20.8 B	1.2 U	216,000	3.7 U	0.9 U	2.3 U	0.6 U	58,900	12.1 B	0.1 B	14.8 B	2,480 B	41.8	2.1 U	116,000	17.4 B	15.0 B
		12-Jul-93	F	18.9 B	17.8 B	1.5 B	19.7 BE	1.4 U	211,000	4.2 B	0.7 U	39.2 B	0.4 U	55,200	6.0 B	0.1 U	144.0	2,420 B	44.3	1.2 U	117,000	13.9 B	1.4 B
30		14-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	225,000	10.0 U	25.0 U	100.0 U	3.0 U	65,000	36.0	0.2 U	380.0	3,520 J	43.0	10.0 U	153,000	50 U	20.0 U
		14-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	216,000	340.0	25.0 U	4160.0	6.0	62,000	66.0	0.2 U	390.0	3,390 J	39.0	10.0 U	147,000	50 U	20.0 U
10_DGMW77	170	17-Nov-92	F	31.0 U	12.1 U	1.5 B	32.6 B	1.2 U	158,000	3.7 U	1.2 B	28.8 B	0.6 U	41,400	19.3	0.1 U	57.3	2,210 B	15.4 BN	2.1 U	70,600	16.7 B	11.3 B
		13-Aug-93	F	21.9 B	16.1 B	2.5 B	31.0 B	0.7 U	156,000	3.6 B	2.0 B	23.7 B	1.7 B	43,100	2.8 B	0.1 U	112.0	2,570 B	18.4 BN	1.8 U	72,200	17.0 B	3.4 B
31		14-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	181,000	10.0 U	25.0 U	100.0 U	3.0	54,000	15.0 U	0.2 U	61.0	3,880 J	21.0	10.0 U	91,000	50 U	20.0 U
		14-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	175,000	170.0	25.0 U	1900.0	4.0	53,000	29.0	0.2 U	69.0	3,730 J	22.0	10.0 U	87,000	50 U	20.0 U
12_DBMW48	135	17-Nov-92	F	34.6 B	18.0 B	0.7 U	26.7 B	2.0 B	316,000	3.7 U	0.9 U	101.0	0.6 U	79,000	22.3	0.1 B	120.0	2,940 B	56.7	2.1 U	110,000	15.3 B	2.5 B
		27-Jul-93	F	18.8 B	12.7 U	1.3 B	24.3 B	0.7 U	298,000	2.8 U	1.1 U	71.1 B	0.5 U	77,100	13.4 B	0.1 U	243.0	2,690 B	52.2	1.8 U	112,000	14.2 B	1.5 B
32		16-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	277,000	10.0 U	25.0 U	100.0 U	3.0 U	77,000	64.0	0.2 U	240.0	3,440 J	27.0	10.0 U	115,000	50 U	150.0
		16-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	288,000	150.0	25.0 U	2000.0	7.0	81,000	76.0	0.2 U	220.0	3,650 J	26.0	10.0 U	122,000	50 U	140.0
12_UGMW31	145	8-Oct-92	F	60.2 B	22.2 B	0.7 U	27.6 B	1.2 U	177,000	3.7 U	0.9 U	20.6 B	0.6 U	50,700	33.4	0.1 U	12.1 B	2,510 B	20.5 SN	2.1 U	77,100	14.9 B	5.4 B
33		7-Jul-93	F	13.9 B	15.9 B	1.1 B	28.7 B	1.4 U	173,000	2.9 U	5.0 B	57.5 B	0.4 U	49,900	12.1 B	0.1 B	106.0	2,430 B	20.6 BN	1.2 U	77,900	13.4 B	3.7 B
		14-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	178,000	10.0 U	25.0 U	100.0 U	4.0	53,000	15.0 U	0.2 U	48.0	3,030 J	7.0	10.0 U	83,000	50 U	20.0 U
		14-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	181,000	10.0 U	25.0 U	100.0 U	3.0 U	54,000	19.0	0.2 U	50.0	3,130 J	9.0	10.0 U	87,000	50 U	20.0 U
13_DBMW49	182	16-Nov-92	F	31.0 U	19.5 B	0.7 U	34.3 B	1.2 U	290,000	3.7 U	0.9 U	2.3 U	0.6 U	110,000	99.2	0.1 U	7.7 U	4,860 B	20.4 BN	2.1 U	160,000	24.0 B	5.0 B
34		30-Jun-93	F	22.9 B	16.9 B	1.9 B	28.7 B	1.4 B	289,000	2.9 U	0.7 U	10.8 B	0.4 U	109,000	87.9	0.1 B	7.1 U	4,420 B	41.0 N	1.2 U	158,000	25.5 B	10.8 B
		6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	257,000	10.0 U	25.0 U	100.0 U	3.0 U	101,000	80.0	0.2 U	40.0 U	4,710 J	44.0	10.0 U	152,000	50 U	20.0 U
		6-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	254,000	10.0 U	25.0 U	100.0 U	4.0	103,000	100.0	0.2 U	40.0 U	4,700 J	45.0	10.0 U	152,000	50 U	20.0 U
13_DBMW49 (D)	182	6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	262,000	10.0 U	25.0 U	100.0 U	6.0	103,000	110.0	0.2 U	40.0 U	4,640 J	47.0	10.0 U	154,000	50 U	24.0
		6-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	260,000	10.0 U	25.0 U	150.0	3.0 U	104,000	92.0	0.2 U	40.0 U	4,800 J	45.0	10.0 U	154,000	50 U	20.0 U

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum 50.0	Antimony 6.0	Arsenic 50.0	Barium 1000.0	Cadmium 5.0	Calcium	Chromium 50.0	Copper 1000.0	Iron 300.0	Lead 15.0	Magnesium	Manganese 50.0	Mercury 2.0	Nickel 100.0	Potassium	Selenium 50.0	Silver 50.0	Sodium	Vanadium	Zinc 5000.0
13_DGMW78	167	23-Nov-92	F	51.9 B	23.7 B	0.7 UW	23.6 B	8.0	363,000	3.7 U	2.0 B	17.3 B	0.6 UW	199,000	1800.0	0.2 B	27.2 B	4,520 B	152.0	2.1 U	177,000	16.0 B	38.4
		16-Jun-93	F	20.7 B	26.1 B	1.6 B	28.4 BE	6.6	328,000	2.9 U	0.7 U	8.2 U	0.4 U	150,000	1230.0	0.1 U	12.2 B	4,050 B	7.0 U	1.2 U	173,000	14.4 B	12.0 B
35		1-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0	257,000	10.0 U	25.0 U	100.0 U	3.0 U	128,000	2300.0	0.2 U	40.0 U	3,830 J	25.0	10.0 U	230,000	50 U	20.0 U
		1-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0	242,000	10.0 U	25.0 U	100.0 U	3.0 U	117,000	2130.0	0.2 U	40.0 U	3,180 J	25.0	10.0 U	200,000	50 U	20.0 U
13_UGMW32	184	28-Oct-92	F	31.0 U	17.4 B	0.7 U	32.5 BE	1.2 U	202,000	3.7 U	4.8 B	2.3 U	0.6 U	96,400	85.5	0.1 U	7.7 U	4,330 B	19.3 SN	2.1 U	99,800	17.8 B	11.3 B
		28-Jun-93	F	7.0 U	23.6 B	1.5 B	28.4 B	1.4 U	181,000	2.9 U	1.4 B	17.3 B	0.4 U	80,200	197.0	0.1 U	7.1 U	4,180 B	30.8 N	1.2 U	103,000	15.6 B	9.2 B
36		5-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	174,000	10.0 U	25.0 U	100.0 U	3.0 U	78,000	96.0	0.2 U	40.0 U	4,200 J	20.0	10.0 U	107,000	50 U	20.0 U
		5-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	156,000	10.0 U	25.0 U	134.0	3.0 U	71,000	92.0	0.2 U	40.0 U	3,710 J	26.0	10.0 U	107,000	50 U	20.0 U
14_DBMW50	160	2-Dec-92	F	68.4 B	26.0 B	0.7 U	32.4 B	3.9 B	275,000	3.7 U	2.9 B	2.3 U	0.6 U	102,000	542.0	0.1 B	27.2 B	4,450 B	38.4	2.4 B	139,000	18.5 B	72.2
37		25-Jun-93	F	16.8 B	19.8 B	0.8 U	26.8 BE	2.2 B	267,000	2.9 U	1.6 B	48.9 B	0.4 U	106,000	353.0	0.1 U	40.8	3,910 B	40.8	1.2 U	142,000	16.7 B	27.7
		5-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	254,000	10.0 U	25.0 U	100.0 U	3.0 U	103,000	58.0	0.2 U	89.0	3,700 J	41.0	10.0 U	141,000	50 U	20.0 U
		5-Feb-96	UF	257.0	60.0 U	10.0 U	200.0 U	5.0 U	240,000	52.0	25.0 U	860.0 U	3.0 U	104,000	220.0	0.2 U	83.0	4,010 J	35.0	10.0 U	152,000	50 U	35.0
14_DBMW50 (D)	160	5-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	250,000	10.0 U	25.0 U	100.0 U	3.0 U	102,000	55.0	0.2 U	90.0	3,700 J	39.0	10.0 U	141,000	50 U	20.0 U
		5-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	234,000	29.0	25.0 U	580.0	3.0 U	101,000	210.0	0.2 U	78.0	3,970 J	35.0	10.0 U	149,000	50 U	32.0
14_DGMW79	158	20-Nov-92	F	31.0 U	18.0 B	0.7 UW	21.1 BE	1.4 B	307,000	3.7 U	1.3 B	5.9 B	0.6 U	127,000	119.0	0.1 U	10.5 B	4,580 B	6.0 BN	2.1 U	172,000	16.7 B	69.1
38		16-Jun-93	F	57.8 B	22.5 B	2.0 B	21.1 BE	2.4 B	319,000	2.9 U	0.7 U	13.8 B	0.4 U	133,000	125.0	0.1 U	24.0 B	4,250 B	21.9 B	1.2 U	168,000	16.3 B	32.2
		5-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	266,000	10.0 U	25.0 U	100.0 U	3.0 U	122,000	91.0	0.2 U	40.0 U	3,740 J	26.0	10.0 U	166,000	50 U	20.0 U
		5-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	258,000	58.0	25.0 U	530.0	3.0 U	121,000	86.0	0.2 U	40.0 U	3,880 J	25.0	10.0 U	164,000	50 U	20.0 U
15_DBMW51	165	4-Dec-92	F	31.0 U	40.7 B	0.7 U	38.3 B	3.9 B	869,000	3.7 U	0.9 U	69.8 B	3.0 U	351,000	296.0	0.1 U	13.6 B	7,200	108.0 N*	2.1 U	244,000	18.7 B	232.0
		13-Aug-93	F	31.9 B	48.0 B	2.1 B	36.2 B	2.5 B	783,000	2.8 U	8.2 B	18.7 B	1.1 BW	318,000	184.0	0.1 U	10.4 B	6,800	117.0 N	1.8 U	229,000	14.8 B	120.0
39		8-Oct-93	F	33.8 B	54.8 B	3.0 BW	29.4 B	3.1 B	651,000	2.8 U	1.1 U	19.8 B	0.9 BWN	298,000	611.0	0.1 U	17.6 B	5,840	93.5	1.8 U	231,000	17.1 B	105.0 E
		6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	531,000	10.0 U	25.0 U	100.0 U	3.0 U	252,000	345.0	0.2 U	40.0 U	6,630	69.0	10.0 U	216,000	50 U	66.0
		6-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	602,000	10.0 U	25.0 U	100.0 U	3.0 U	288,000	250.0	0.2 U	40.0 U	7,210	77.0	10.0 U	233,000	50 U	58.0
16_DBMW52	222	4-Nov-92	F	49.1 B	20.8 B	0.7 U	35.2 B	5.7	141,000	3.7 U	0.9 U	2.3 U	0.6 U	106,000	157.0	0.1 U	497.0 *	4,880 B	25.2 BW	2.1 U	129,000	8.6 B	2.2 U
		14-Jul-93	F	18.3 B	20.8 B	2.4 B	32.2 B	1.4 U	149,000	5.2 B	1.5 B	20.8 B	0.4 U	107,000	12.0 B	0.1 U	184.0 *	5,330		1.2 U	135,000	11.8 B	7.3 B
40		7-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	129,000	10.0 U	25.0 U	100.0 U	3.0 U	105,000	15.0 U	0.2 U	85.0	3,970 J	33.0	10.0 U	152,000	50 U	20.0 U
		7-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	133,000	45.0	25.0 U	710.0	3.0 U	109,000	18.0	0.2 U	98.0	3,570 J	39.0	10.0 U	155,000	50 U	20.0 U
16_DBMW52 (D)	222	7-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	119,000	10.0 U	25.0 U	100.0 U	3.0 U	103,000	15.0 U	0.2 U	72.0	3,980 J	36.0	10.0 U	147,000	50 U	20.0 U
		7-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	150,000	28.0	25.0 U	510.0	3.0	121,000	40.0	0.2 U	120.0	4,100 J	41.0	10.0 U	170,000	50 U	20.0 U
16_DGMW81	216	11-Dec-92	F	36.6 B	20.2 B	0.7 U	37.3 B	4.1 B		3.7 U	0.9 U	13.8 B	0.6 UW	112,000	110.0	0.1 B	229.0 *	5,310		2.3 B	166,000	17.1 B	10.7 B
41		24-Jun-93	F	19.8 B	20.3 B	0.8 UW	32.7 BE	1.4 U	256,000	2.9 U	0.9 U	23.3 B	0.4 U	120,000	14.2 B	0.1 U	547.0 *	5,180 B	192.0	1.2 U	183,000	12.6 B	2.6 B
		24-Jun-93	F	20.7 B	23.8 B	0.8 UW	31.9 BE	1.4 U	252,000	2.9 U	0.7 B	24.2 B	0.4 U	118,000	13.7 B	0.1 U	513.0 *	4,930	190.0	1.2	181,000	13.1 B	2.6
		8-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	196,000	10.0 U	25.0 U	100.0 U	3.0 U	95,000	15.0 U	0.2 U	110.0 *	4,760 J	107.0	10.0 U	182,000	50 U	20.0 U
		8-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	195,000	30.0	25.0 U	230.0	3.0 U	94,000	15.0 U	0.2 U	110.0	4,720 J	105.0	10.0 U	183,000	50 U	20.0 U
16_UGMW33	220	17-Dec-92	F	31.0 U	15.6 B	17.0 W	22.5 B	1.2 U		3.7 U	2.1 B	14.0 B	0.6 U	37,400	5.1 B	0.1 U	7.7 U	3,410 B		2.1 U	88,700	20.8 B	15.0 B
42		14-Jul-93	F	20.3 B	17.2 B	3.9 B	24.2 B	1.4 U	68,900	5.5 B	1.9 B	16.2 U	0.4 U	43,100	1.5 B	0.1 U	7.1 U	4,170 B	1.9 U	1.2 U	82,900	21.1 B	4.1 B
		14-Jul-93	F	11.9 B	14.6 B	4.0 B	24.3 B	1.4 U	70,500	6.5 B	2.1 B	8.2 B	0.4 U	43,700	1.7 B	0.1 U	7.1 U	3,960 B	1.7 U	1.2 U	83,700	24.2 B	4.9 B
		7-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	72,000	10.0 U	25.0 U	100.0 U	3.0 U	47,000	15.0 U	0.2 U	40.0 U	3,280 J	5.0 U	10.0 U	86,000	50 U	20.0 U
		7-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	73,000	10.0 U	25.0 U	107.0	3.0 U	47,000	33.0	0.2 U	40.0 U	3,310 J	5.0 U	10.0 U	87,000	50 U	20.0 U
17_DGMW82	255	8-Feb-93	F	40.5 B	12.1 U	5.6 B	30.8 BE	1.2 U		3.7 U	3.6 B	2.3 U	0.6 U	32,400	51.3	0.1 U	7.7 U	5,830		2.1 U	124,000	7.2 B	31.4
		3-Jun-93	F	21.8 B	9.0 U	6.1 BWN	26.4 B	1.4 U	91,200	2.9 U	0.7 U	9.0 B	0.4 U	32,600	115.0	0.1 U	7.1 U	5,710	7.0 U	1.2 U	139,000	9.0 B	3.7 B
43		3-Jun-93	F	13.6 B	9.0 U	5.7 BN	25.8 B	1.4 U	92,400	2.9 U	0.7 U	8.2 U	0.4 U	33,200	126.0	0.1 U	10.1 B	5,830	7.0 U	1.2 U	135,000	8.0 B	3.5 B
		9-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	72,000	10.0 U	25.0 U	100.0 U	3.0 U	26,000	18.0	0.2 U	40.0 U	4,310 J	5.0 U	10.0 U	151,000	50 U	40.0
		9-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	77,000	38.0	29.0	4370.0	29.0	28,000	15.0 U	0.2 U	51.0	4,450 J	5.0 U	10.0 U	149,000	50 U	120.0
18_BGMP06A	455	8-Oct-92	F	31.0 U	12.5 B	1.3 BW	30.8 B	1.2 U		3.7 U	0.9 U	2.3 U	0.6 U	28,000	32.7	0.1 B	7.7 U	3,190 B		2.1 U	91,300	17.8 B	105.0
44		12-Aug-93	F	12.5 B	12.7 U	3.4 B	31.3 B	0.7 U		3.9 B	1.1 U	7.2 U	0.6 B	23,900	2.6 B	0.1 U	7.5 U	3,490 B		1.8 U	80,400	25.5 B	26.8
		7-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	74,000	10.0 U	25.0 U	100.0 U	3.0 U	26,000	15.0 U	0.2 U	40.0 U	3,090 J	5.0 U	10.0 U	82,000	50 U	20.0 U
		7-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	76,000	10.0 U	25.0 U	164.0	3.0 U	26,000	15.0 U	0.2 U	40.0 U	3,090 J	5.0 U	10.0 U	83,000	50 U	27.0
18_BGMP06B	390	7-Oct-92	F	31.0 U	15.6 B	1.2 B	30.1 B	1.2 U		3.7 U	0.9 U	2.3 U	0.6 U	27,600	27.4	0.1 B	7.9 B	3,040 B	4.5 BN*	2.1 U	87,900	23.7 B	55.7
45		11-Aug-93	F	16.4 B	12.7 U	2.6 B	31.6 B	0.7 U	90,500	2.8 U	1.1 U	10.6 B	0.5 U	26,000	25.9	0.1 U	8.9 B	3,310 B	5.0 U	1.8 U	83,500	26.8 B	22.3
		7-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	94,000	10.0 U	25.0 U	100.0 U	3.0 U	28,000	33.0	0.2 U	40.0 U	2,860 J	5.0 U	10.0 U	86,000	50 U	20.0 U
		7-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	97,000	10.0 U	25.0 U	100.0 U	3.0 U	28,000	24.0	0.2 U	40.0 U	2,930 J	23.6	10.0 U	87,000	50 U	20.0 U

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum 50.0	Antimony 6.0	Arsenic 50.0	Barium 1000.0	Cadmium 5.0	Calcium	Chromium 50.0	Copper 1000.0	Iron 300.0	Lead 15.0	Magnesium	Manganese 50.0	Mercury 2.0	Nickel 100.0	Potassium	Selenium 50.0	Silver 50.0	Sodium	Vanadium	Zinc 5000.0
18_BGMP06C	305	7-Oct-92	F	31.0 U	12.1 U	2.5 B	39.2 B	1.2 U	80,200	3.7 U	2.0 B	2.3 U	0.6 U	40,500	6.7 B	0.1 U	7.7 U	3,470 B	3.5 UN	2.1 U	145,000	16.0 B	24.3
		9-Aug-93	F	50.0 B	12.7 U	3.3 B	38.1 B	0.7 U	77,800	2.8 U	1.1 U	7.2 U	0.6 BW	28,800	8.9 B	0.1 U	7.5 U	3,530 B	5.0 U	1.8 U	97,000	15.6 B	12.4 B
		7-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	59,000	10.0 U	25.0 U	100.0 U	3.0 U	25,000	23.0	0.2 U	40.0 U	2,750 J	5.0 U	10.0 U	88,000	50 U	20.0 U
		7-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	61,000	10.0 U	25.0 U	116.0	3.0 U	26,000	54.0	0.2 U	40.0 U	2,820 J	29.4	10.0 U	91,000	50 U	20.0 U
18_BGMP06D	178	6-Oct-92	F	31.0 U	12.1 U	1.9 B	38.4 B	1.2 U	112,000	3.7 U	1.8 B	2.3 U	0.6 U	51,900	6.3 B	0.1 U	7.7 U	3,800 B		2.1 U	158,000	7.9 B	13.0 B
		6-Aug-93	F	30.5 B	21.8 B	2.7 B	46.0 B	0.7 U	168,000	2.8 U	1.1 U	7.2 U	0.5 U	54,800	14.7 B	0.1 UN	7.5 U	3,810 B	43.6	1.8 U	148,000	22.0 B	18.9 B
		7-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	184,000	10.0 U	25.0 U	100.0 U	3.0 U	56,000	16.0	0.2 U	40.0 U	3,180 J	23.0	10.0 U	146,000	50 U	20.0 U
		7-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	186,000	10.0 U	25.0 U	100.0 U	3.0 U	56,000	16.0	0.2 U	40.0 U	3,180 J	28.0	10.0 U	146,000	50 U	27.0
18_BGMP06E	115	1-Oct-92	F	31.0 U	12.1 U	1.1 BW	22.1 B	1.2 U	92,500	3.7 U	2.7 B	10.7 B	0.6 U	66,000	6.6 B	0.1 U	7.7 U	3,590 B	26.8 S	2.1 U	152,000	2.1 B	15.4 B
		2-Aug-93	F	28.5 B	30.6 B	2.9 B	32.2 B	0.7 U	230,000	2.8 U	1.1 U	7.2 U	0.5 U	73,100	0.9 B	0.1 UN	7.5 U	3,240 B	44.5	1.8 U	148,000	22.0 B	17.7 B
		7-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	247,000	10.0 U	25.0 U	100.0 U	3.0 U	80,000	15.0 U	0.2 U	40.0 U	3,600 J	28.0	10.0 U	152,000	50 U	20.0 U
		7-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	255,000	10.0 U	25.0 U	100.0 U	3.0 U	84,000	15.0 U	0.2 U	40.0 U	3,740 J	27.0	10.0 U	158,000	50 U	20.0
18_BGMP08A	449	17-Oct-92	F	31.0 U	12.9 B	0.7 U	31.9 B	1.2 U	84,800	3.7 U	0.9 U	2.3 U	0.6 U	25,500	59.4	0.1 U	7.7 U	3,220 B	1.4 B	2.1 U	162,000	7.4 B	117.0
		11-Jun-93	F	38.1 B	9.0 U	1.3 B	38.8 BE	1.4 U	97,000	2.9 U	1.9 B	8.2 U	1.3 B	26,100	12.6 B	0.1 U	7.1 U	3,560 B	7.5 B	1.2 U	169,000	8.4 B	87.8
		15-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	110,000	10.0 U	25.0 U	100.0 U	3.0 U	28,000	37.0	0.2 U	40.0 U	3,140 J	5.0 U	10.0 U	177,000	50 U	59.0
		15-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	108,000	10.0 U	25.0 U	100.0 U	3.0 U	27,000	15.0 U	0.2 U	40.0 U	3,140 J	5.0 U	10.0 U	173,000	50 U	84.0
18_BGMP08B	307	15-Oct-92	F	31.0 U	12.1 U	0.7 UW	26.2 B	1.2 U	72,400	3.7 U	1.0 B	2.3 U	0.6 U	19,000	34.3	0.1 U	7.7 U	2,860 B	4.6 BS	2.1 U	147,000	8.9 B	46.8
		10-Jun-93	F	17.8 B	9.0 U	2.8 B	28.4 BE	1.4 U	80,100	2.9 U	0.7 U	16.4 B	0.4 U	20,400	1.4 B	0.1 U	7.1 U	2,950 B	4.0 BN	1.2 U	149,000	12.1 B	43.6
		16-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	89,000	10.0 U	25.0 U	100.0 U	3.0 U	22,000	15.0 U	0.2 U	40.0 U	2,990 J	5.0 U	10.0 U	152,000	50 U	20.0 U
		16-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	89,000	10.0 U	25.0 U	100.0 U	3.0 U	22,000	15.0 U	0.2 U	40.0 U	2,840 J	5.0 U	10.0 U	150,000	50 U	30.0
18_BGMP08C	136	13-Oct-92	F	31.0 U	12.1 U	1.3 B	21.9 B	1.2 U	81,300	3.7 U	1.2 B	3.5 B	0.6 U	21,600	19.6	0.1 U	7.7 U	2,890 B	9.0 S	2.1 U	145,000	10.2 B	24.4
		15-Oct-92	F	31.0 U	12.1 U	1.5 BW	22.2 B	1.2 U	81,400	3.7 U	1.4 B	6.1 B	0.6 U	21,600	19.2	0.1 U	7.7 U	2,960 B	7.4 S	2.1 U	143,000	9.2 B	25.3
		14-Jun-93	F	18.7 B	9.0 U	2.0 B	31.9 BE	1.4 U	95,100	2.9 U	1.7 B	8.2 U	0.4 U	21,500	1.5 B	0.1 U	7.1 U	2,860 B	10.7 B	1.2 U	140,000	9.0 B	30.2
		15-Jun-93	F	14.3 B	9.0 U	1.6 B	32.2 BE	1.4 U	96,500	2.9 U	0.7 U	8.2 U	0.4 U	21,600	2.4 B	0.1 U	7.1 U	2,940 B	11.0 B	1.2 U	138,000	8.7 B	86.6
		16-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	107,000	10.0 U	25.0 U	100.0 U	3.0 U	24,000	15.0 U	0.2 U	40.0 U	2,640 J	5.0 U	10.0 U	146,000	50 U	21.0
		16-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	107,000	10.0 U	25.0 U	100.0 U	3.0 U	25,000	15.0 U	0.2 U	40.0 U	2,760 J	5.0 U	10.0 U	146,000	50 U	20.0 U
18_BGMP08D	71	12-Oct-92	F	106.0 B	16.2 B	0.7 UW	56.1 B	1.2 U	283,000	3.7 U	1.3 B	2.3 U	0.6 U	63,800	313.0	0.1 U	13.6 B	3,420 B	10.0 SN	2.1 U	189,000	9.8 B	71.0
		10-Jun-93	F	166.0 B	16.5 B	0.9 BW	46.8 BE	1.4 U	284,000	2.9 U	30.8	9.4 B	0.4 U	63,400	6.7 B	0.1 U	7.1 U	2,800 B	14.4 BN	1.2 U	202,000	12.9 B	25.9
		17-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	233,000	10.0 U	25.0 U	100.0 U	3.0 U	52,000	15.0 U	0.2 U	40.0 U	2,330 J	5.0 U	10.0 U	198,000	50 U	20.0 U
		17-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	231,000	10.0 U	25.0 U	100.0 U	3.0 U	53,000	15.0 U	0.2 U	60.0	2,270 J	13.0	10.0 U	195,000	50 U	250.0
18_BGMP09A	463	23-Oct-92	F	31.0 U	12.1 U	3.3 B	21.7 B	1.2 U	34,500	3.7 U	0.9 U	10.1 B	0.6 U	11,800	41.8	0.1 U	7.7 U	3,920 B	0.5 UWN	2.1 U	277,000	1.9 U	15.2 B
		22-Jun-93	F	7.0 U	9.0 U	2.9 B	32.4 BE	1.4 U	50,400	2.9 U	0.7 U	13.4 B	0.4 U	14,700	71.6	0.1 U	7.1 U	4,970 B	3.5 UN*	1.2 U	458,000	1.7 U	6.4 B
		31-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	67,000	10.0 U	25.0 U	100.0 U	3.0 U	22,000	47.0	0.2 U	40.0 U	6,850	5.0 U	10.0 U	849,000	50 U	20.0 U
		31-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	70,000	10.0 U	25.0 U	100.0 U	3.0 U	23,000	51.0	0.2 U	40.0 U	7,410	5.0 U	10.0 U	887,000	50 U	20.0 U
18_BGMP09B	385	23-Oct-92	F	55.2 B	12.1 U	2.4 B	21.7 B	1.2 U	26,300	3.7 U	0.9 U	73.6 B	0.6 U	11,100	7.8 B	0.1 U	7.7 U	3,140 B	5.7 BN	2.1 U	275,000	5.5 B	56.3
		21-Jun-93	F	7.0 U	9.0 U	2.2 B	14.0 BE	1.4 U	49,100	2.9 U	0.7 U	10.3 B	0.4 U	16,700	10.9 B	0.1 U	7.1 U	3,350 B	5.4 BN*	1.2 U	332,000	2.6 B	21.4
		31-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	67,000	10.0 U	25.0 U	100.0 U	3.0 U	18,000	15.0 U	0.2 U	40.0 U	3,980 J	5.0 U	10.0 U	425,000	50 U	20.0 U
		31-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	65,000	10.0 U	25.0 U	100.0 U	6.0	18,000	15.0 U	0.2 U	40.0 U	4,550 J	5.0 U	10.0 U	428,000	50 U	35.0
18_BGMP09C	268	22-Oct-92	F	31.0 U	12.1 U	2.6 B	35.0 B	1.2 U	51,400	3.7 U	0.9 U	14.4 B	0.6 U	19,200	25.6	0.1 UN	7.7 U	4,070 B	2.2 B	2.1 U	183,000	5.5 B	53.8
		18-Jun-93	F	64.7 B	9.0 U	3.8 B	31.0 B	1.4 U	42,200	2.9 U	3.0 B	16.8 B	0.4 U	17,900	1.2 B	0.1 U	7.1 U	3,950 B	7.0 U	1.2 U	174,000	5.1 B	31.9
		1-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	46,000	10.0 U	25.0 U	100.0 U	3.0 U	23,000	15.0 U	0.2 U	40.0 U	12,000	5.0 U	10.0 U	199,000	50 U	20.0 U
		1-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	43,000	10.0 U	25.0 U	100.0 U	3.0 U	21,000	15.0 U	0.2 U	40.0 U	3,310 J	5.0 U	10.0 U	172,000	50 U	25.0
18_BGMP09D	232	21-Oct-92	F	31.0 U	12.1 U	1.4 B	21.4 B	1.2 U	76,000	3.7 U	0.9 U	2.3 U	0.6 U	17,300	1.4 B	0.1 U	7.7 U	2,620 B	7.3 BN	2.1 U	158,000	13.6 B	21.4
		17-Jun-93	F	22.2 B	9.0 U	3.1 B	25.1 B	1.4 U	84,800	2.9 U	0.7 U	8.2 U	0.4 U	17,600	1.0 B	0.1 U	8.7 B	3,120 B	9.1 B	1.2 U	157,000	15.9 B	11.8 B
		2-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	93,000	10.0 U	25.0 U	100.0 U	3.0 U	20,000	15.0 U	0.2 U	40.0 U	3,350 J	5.0 U	10.0 U	172,000	50 U	37.0
		2-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	92,000	10.0 U	25.0 U	100.0 U	3.0 U	19,000	15.0 U	0.2 U	40.0 U	3,180 J	5.0 U	10.0 U	167,000	50 U	43.0
18_BGMP09E	143	20-Oct-92	F	31.0 U	12.1 U	0.8 BW	69.6 B	1.2 U	111,000	3.7 U	0.9 U	2.3 U	0.6 U	26,400	5.2 B	0.1 U	7.7 U	2,980 B	8.9 BN	2.1 U	136,000	7.7 B	14.8 B
		20-Oct-92	F	31.0 U	12.1 U	0.7 B	69.3 B	1.2 U	112,000	3.7 U	1.2 B	6.4 B	0.6 U	26,200	5.2 B	0.1 U	7.7 U	2,890 B	3.6 BN	2.1 U	134,000	7.0 B	19.2 B
		23-Jun-93	F	13.0 B	9.0 U	1.1 B	75.9 BE	1.4 U	123,000	2.9 U	1.2 B	8.2 U	0.4 U	27,200	2.1 B	0.1 U	7.2 B	3,130 B	7.0 B	1.2 U	145,000	8.8 B	18.0 B
		24-Jun-93	F	9.4 B	9.0 U	0.8 UW	70.8 BE	1.4 U	120,000	2.9 U	1.4 B	16.6 B	0.4 U	26,400	2.1 B	0.1 U	7.1 U	3,020 B	5.8 B	1.2 U	141,000	8.3 B	12.6 B
		2-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	140,000	10.0 U	25.0 U	100.0 U	3.0 U	32,000	15.0 U	0.2 U	40.0 U	3,500 J	5.0 U	10.0 U	147,000	50 U	20.0 U
		2-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	140,000	10.0 U	25.0 U	100.0 U	3.0 U	31,000	15.0 U	0.2 U	40.0 U	3,420 J	5.0 U	10.0 U	144,000	50 U	20.0 U

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum 50.0	Antimony 6.0	Arsenic 50.0	Barium 1000.0	Cadmium 5.0	Calcium	Chromium 50.0	Copper 1000.0	Iron 300.0	Lead 15.0	Magnesium	Manganese 50.0	Mercury 2.0	Nickel 100.0	Potassium	Selenium 50.0	Silver 50.0	Sodium	Vanadium	Zinc 5000.0
18_BGMP09F	69	19-Oct-92	F	59.9 B	12.1 U	12.6	26.6 B	1.2 U	177,000	3.7 U	0.9 U	19.7 B	0.6 U	44,300	57.0	0.1 U	9.7 B	3,690 B	5.8 BN	2.1 U	213,000	7.8 B	13.7 B
		16-Jun-93	F	38.3 B	15.0 B	11.1	31.5 B	1.4 U	164,000	2.9 U	0.7 U	15.4 B	0.4 U	46,200	11.2 B	0.1 U	11.9 B	3,120 B	7.0 U	1.2 U	197,000	9.1 B	7.6 B
		2-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	185,000	10.0 U	25.0 U	100.0 U	3.0 U	46,000	15.0 U	0.2 U	40.0 U	2,470 J	5.0 U	10.0 U	181,000	50 U	20.0 U
		2-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	181,000	10.0 U	25.0 U	100.0 U	3.0 U	45,000	15.0 U	0.2 U	40.0 U	2,410 J	5.0 U	10.0 U	176,000	50 U	23.0
18_BGMP10A	1011	20-Jan-93	F	31.0 U	12.1 U	3.0 B	72.0 B	1.2 U	134,000	3.7 U	2.6 B	2.3 U	0.6 U	59,600	51.6	0.1 U	7.7 U	3,840 B	12.8 BN	2.1 U	173,000	3.8 B	84.0
		30-Jul-93	F	12.6 B	12.7 U	1.3 B	61.3 B	0.7 U	58,900	2.8 U	4.6 B	1450.0	0.5 B	39,300	63.2	0.1 U	7.5 U	5,050	5.8 B	1.8 U	167,000	1.6 U	161.0
		19-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	6,470	10.0 U	25.0 U	100.0 U	3.0	7,160	15.0 U	0.2 U	40.0 U	3,510 J	5.0 U	10.0 U	172,000	50 U	20.0 U
		19-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	5,910	10.0 U	25.0 U	140.0	3.0 U	7,000	15.0 U	0.2 U	40.0 U	3,500 J	5.0 U	10.0 U	171,000	50 U	92.0
18_BGMP10B	896	25-Jan-93	F	31.0 U	12.1 U	2.9 B	56.2 BE	1.2 U	109,000	3.7 U	0.9 U	2.3 U	0.6 U	42,300	99.6	0.1 U	7.7 U	3,750 B	7.2	2.1 U	148,000	3.9 B	289.0 E
		25-Jan-93	F	31.0 U	12.1 U	2.9 B	56.2 BE	1.2 U	110,000	3.7 U	0.9 U	4.6 B	0.6 U	42,600	101.0	0.1 U	7.7 U	3,540 B	6.8	2.1 U	149,000	4.5 B	167.0 E
		30-Jul-93	F	18.4 B	12.7 U	8.7 B	75.7 B	0.7 U	105,000	2.8 U	1.1 U	29.4 B	0.5 U	39,300	355.0	0.1 U	7.5 U	3,990 B	3.5 U	1.8 U	151,000	2.0 B	8.2 B
		23-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	39,000	10.0 U	25.0 U	100.0 U	5.0	15,000	99.0	0.2 U	40.0 U	3,710 J	5.0 U	10.0 U	132,000	50 U	20.0 U
		23-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	40,000	10.0 U	25.0 U	184.0	3.0 U	14,000	97.0	0.2 U	40.0 U	3,750 J	5.0 U	10.0 U	129,000	50 U	120.0
18_BGMP10C	762	23-Jan-93	F	31.0 U	12.1 U	0.9 B	75.1 BE	1.2 U	125,000	3.7 U	0.9 U	2.6 U	0.6 U	48,000	119.0	0.1 U	7.7 U	3,730 B	0.9 B	2.1 U	158,000	5.3 B	202.0 E
		1-Jul-93	F	9.1 B	9.0 U	10.3 N	37.0 BE	1.4 U	48,300	2.9 U	0.7 U	12.1 B	0.4 U	17,200	95.6	0.1 U	7.1 U	3,470 B	0.7 UN	1.2 U	101,000	1.7 U	4.7 B
		23-Jan-96	F	200.0 U	60.0 U	25.0	200.0 U	5.0 U	19,000	10.0 U	25.0 U	100.0 U	3.0 U	11,000	15.0 U	0.2 U	40.0 U	2,940 J	5.0 U	10.0 U	97,000	50 U	20.0 U
		23-Jan-96	UF	200.0 U	60.0 U	26.0	200.0 U	5.0 U	20,000	10.0 U	25.0 U	100.0 U	3.0 U	11,000	15.0 U	0.2 U	40.0 U	3,050 J	5.0 U	10.0 U	100,000	50 U	190.0
18_BGMP10D	573	22-Jan-93	F	31.0 U	12.1 U	12.4	37.3 BE	1.2 U	59,400	3.7 U	0.9 U	2.6 B	0.6 U	22,400	84.8	0.1 U	7.7 U	2,830 B	1.0 BW	2.1 U	107,000	1.9 U	44.3 E
		28-Jun-93	F	11.3 B	9.0 U	5.3 B	51.3 B	1.4 U	60,500	2.9 U	0.7 U	47.8 B	0.4 U	21,000	82.8	0.1 B	7.1 U	3,290 B	2.0 BN	1.5 B	105,000	15.0 B	69.2
		23-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	46,000	10.0 U	25.0 U	196.0	3.0 U	15,000	65.0	0.2 U	40.0 U	2,950 J	5.0 U	10.0 U	92,000	50 U	20.0 U
		23-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	45,000	10.0 U	25.0 U	220.0	3.0 U	15,000	65.0	0.2 U	40.0 U	2,890 J	5.0 U	10.0 U	91,000	50 U	75.0
18_BGMP10E	449	21-Jan-93	F	31.0 U	14.2 B	5.8 B	72.9 BE	1.2 U	133,000	3.7 U	0.9 U	2.3 U	0.6 U	50,900	163.0	0.1 UN	7.7 U	4,430 B	6.6 BN	2.1 U	178,000	2.5 B	78.8
		29-Jun-93	F	13.8 B	9.0 U	4.2 B	31.9 B	1.4 U	57,000	2.9 U	0.7 U	12.8 B	0.4 U	20,900	41.3	0.1 U	7.1 U	3,200 B	1.2 BN	1.2 U	102,000	27.9 B	128.0
		29-Jun-93	F	12.4 B	9.0 U	4.1 B	32.2 B	1.4 U	56,100	2.9 U	0.7 U	11.9 B	0.4 U	20,700	40.4	0.1 B	7.1 U	2,850 B	1.6 BN	1.2 U	103,000	27.4 B	79.4
		24-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	52,000	10.0 U	25.0 U	109.0	3.0 U	19,000	44.0	0.2 U	40.0 U	2,610 J	5.0 U	10.0 U	106,000	50 U	20.0 U
		24-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	52,000	10.0 U	25.0 U	128.0	3.0 U	19,000	45.0	0.2 U	40.0 U	2,630 J	5.0 U	10.0 U	108,000	50 U	40.0
18_BGMP10F	228	20-Jan-93	F	31.0 U	15.4 B	1.0 B	71.0 BE	1.2 U	133,000	3.7 U	1.1 B	3.5 B	0.6 U	51,200	202.0	0.1 U	12.5 B	3,910 B	1.4 BW	2.6 B	185,000	1.9 U	105.0 E
		25-Jun-93	F	14.1 B	17.2 B	2.0 B	57.3 BE	1.4 U	134,000	2.9 U	0.7 U	11.2 B	0.4 U	57,300	64.6	0.1 U	7.1 U	3,950 B	6.4 B	1.2 U	170,000	2.4 B	12.9 B
		24-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	152,000	10.0 U	25.0 U	100.0 U	5.0	60,000	150.0	0.2 U	40.0 U	3,370 J	16.0	10.0 U	169,000	50 U	20.0 U
		24-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	152,000	10.0 U	25.0 U	100.0 U	6.0	60,000	150.0	0.2 U	40.0 U	3,370 J	17.0	10.0 U	171,000	50 U	69.0
18_BGMW01A	486	11-Dec-92	F	832.0	12.1 U	22.0 B	3.6 B	1.2 U	32,200	12.7	4.5 B	2280.0	2.7 B	19,500	235.0	0.1 U	37.5 B	6,580	0.5 U	2.1 U	381,000	17.0 B	261.0
		1-Jul-93	F	7.0 U	12.9 B	2.8 BWN	10.2 BE	1.4 U	39,300	2.9 U	0.7 U	64.7 B	0.4 U	19,500	173.0	0.1 U	8.6 B	6,010	4.0 BN	1.2 U	319,000	1.7 U	3.8 B
		1-Jul-93	F	24.9 B	15.0 B	3.3 BWN	10.2 BE	1.4 U	39,600	2.9 U	0.7 U	69.9 B	0.4 U	19,600	172.0	0.1 U	7.1 U	6,070	3.5 UN	1.2 U	321,000	1.7 U	3.0 B
		26-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	47,000	10.0 U	25.0 U	730.0	3.0	24,000	280.0	0.2 U	40.0 U	5,850	5.0 U	10.0 U	367,000	50 U	20.0 U
		26-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	47,000	10.0 U	25.0 U	920.0	4.0	24,000	290.0	0.2 U	40.0 U	5,910	5.0 U	10.0 U	374,000	50 U	20.0 U
18_BGMW01A (D)	486	26-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	47,000	10.0 U	25.0 U	740.0	3.0 U	24,000	280.0	0.2 U	40.0 U	5,910	5.0 U	10.0 U	372,000	50 U	20.0 U
		26-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	47,000	10.0 U	25.0 U	860.0	4.0	24,000	280.0	0.2 U	40.0 U	6,030	5.0 U	10.0 U	374,000	50 U	20.0 U
18_BGMW01B	416	14-Dec-92	F	31.0 U	12.1 U	27.3	20.5 B	1.2 U	52,500	3.7 U	0.9 U	37.0 B	0.6 U	21,800	96.3	0.1 U	20.9 B	3,470 B	4.5 B	2.1 U	137,000	22.5 B	18.3 B
		22-Jun-93	F	14.1 B	12.3 B	14.7	27.1 BE	1.4 U	54,700	2.9 U	0.8 B	45.0 B	0.4 U	22,800	193.0	0.1 U	9.0 B	3,690 B	6.9 BN*	1.2 U	148,000	11.3 B	2.4 B
		26-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	61,000	10.0 U	25.0 U	100.0 U	4.0	25,000	110.0	0.2 U	40.0 U	3,060 J	5.0 U	10.0 U	148,000	50 U	20.0 U
		26-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	61,000	10.0 U	25.0 U	109.0	3.0 U	25,000	110.0	0.2 U	40.0 U	3,040 J	5.0	10.0 U	147,000	50 U	20.0 U
18_BGMW01C	350	16-Dec-92	F	31.0 U	12.2 B	3.4 B	46.8 B	7.4	85,200	3.7 U	0.9 U	25.5 B	0.6 U	30,100	25.4	0.1 U	332.0	2,780 B	17.4 S	2.1 U	101,000	13.2 B	2.2 U
		24-Jun-93	F	10.1 B	9.0 U	4.1 B	49.5 BE	1.4 U	89,900	2.9 U	0.7 U	14.8 B	0.4 U	32,100	26.9	0.1 U	163.0	3,070 B	19.8 B	1.2 U	106,000	12.4 B	2.2 B
		23-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	94,000	10.0 U	25.0 U	100.0 U	3.0 U	33,000	15.0 U	0.2 U	250.0	2,850 J	17.0	10.0 U	103,000	50 U	21.0
		23-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	95,000	15.0	25.0 U	290.0	3.0 U	33,000	15.0 U	0.2 U	250.0	2,840 J	14.0	10.0 U	103,000	50 U	24.0
18_BGMW01D	262	9-Dec-92	F	31.0 U	18.2 B	2.9 B	40.5 B	8.2	117,000	3.7 U	0.9 U	24.2 B	0.6 U	53,600	80.7	0.1 U	382.0	3,070 B	14.4 BN*	2.1 U	87,900	19.2 B	2.2 U
		23-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	125,000	10.0 U	25.0 U	100.0 U	4.0	56,000	15.0 U	0.2 U	180.0	3,070 J	15.0	10.0 U	88,000	50 U	20.0 U
		23-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	127,000	10.0 U	25.0 U	124.0	4.0	57,000	15.0 U	0.2 U	180.0	3,100 J	16.0	10.0 U	89,000	50 U	20.0 U

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0	5.0		50.0	1000.0	300.0	15.0		50.0	2.0	100.0		50.0	50.0			5000.0
18_BGMW01E	225	27-Oct-92	F	31.0 U	13.3 B	2.0 B	109.0 B	1.2 U	94,500	3.7 U	1.2 B	7.5 B	0.6 U	60,000	32.0	0.1 UN	7.7 U	3,820 B	15.6 B	2.1 U	129,000	18.7 B	5.5 B
		27-Oct-92	F	31.0 U	14.0 B	1.5 B	106.0 B	1.2 U	93,200	3.7 U	1.2 B	6.7 B	0.6 U	59,100	31.3	0.1 UN	7.7 U	3,530 B	17.5 S	2.1 U	127,000	18.4 B	7.4 B
		18-Jun-93	F	46.7 B	24.9 B	3.0 B	119.0 B	1.4 U	94,600	2.9 U	1.4 B	8.2 U	0.4 U	59,400	58.6	0.1 U	8.3 B	3,950 B	20.1 B	1.4 B	129,000	18.6 B	5.7 B
69		5-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	88,000	10.0 U	25.0 U	100.0 U	3.0 U	58,000	94.0	0.2 U	40.0 U	3,370 J	11.0	10.0 U	109,000	50 U	20.0 U
		5-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	86,000	10.0 U	25.0 U	100.0 U	3.0 U	57,000	100.0	0.2 U	40.0 U	3,380 J	10.0	10.0 U	107,000	50 U	20.0 U
18_BGMW02A	482	21-Dec-92	F	31.0 U	12.4 B	8.8 B	15.4 BE	1.2 U	51,900	3.7 U	0.9 U	46.7 B	0.6 U	22,900	129.0	0.1 U	7.7 U	6,030	1.0 BN	2.1 U	97,600	1.9 U	2.2 U
		8-Jun-93	F	7.0 U	9.0 U	9.3 BWN	14.3 B	1.4 U	54,200	2.9 U	0.7 U	58.3 B	0.4 U	23,000	160.0	0.1 U	7.1 U	5,800	0.7 UN	1.2 U	94,400	1.7 U	2.5 B
70		19-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	53,000	10.0 U	25.0 U	100.0 U	3.0	24,000	170.0	0.2 U	40.0 U	5,440	5.0 U	10.0 U	98,000	50 U	20.0 U
		19-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	54,000	10.0 U	25.0 U	101.0	3.0 U	25,000	180.0	0.2 U	40.0 U	5,510	5.0 U	10.0 U	98,000	50 U	20.0 U
18_BGMW02C	378	22-Dec-92	F	31.0 U	12.1 U	6.6 B	31.2 BE	1.2 U	71,600	3.7 U	0.9 U	22.3 B	1.7 B	22,100	99.8	0.1 U	57.2	3,530 B	9.4 SN	2.1 U	86,700	17.3 B	2.2 U
		9-Jun-93	F	15.9 B	14.5 B	7.8 BWN	30.7 B	1.4 U	74,800	2.9 U	0.7 U	29.0 B	0.4 U	22,600	107.0	0.1 U	78.0	3,340 B	7.5 N	1.2 U	85,500	16.6 B	1.9 B
71		18-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	76,000	10.0 U	25.0 U	100.0 U	3.0 U	24,000	31.0	0.2 U	190.0	2,960 J	7.0	10.0 U	87,000	50 U	20.0 U
		18-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	73,000	13.0	25.0 U	680.0	3.0 U	24,000	43.0	0.2 U	200.0 B	3,010 J	8.0	10.0 U	85,000	50 U	31.0
18_BGMW02D	314	18-Dec-92	F	31.0 U	21.5 B	6.8 B	20.5 B	1.9 B	88,100	3.7 U	0.9 U	9.5 B	0.6 U	24,800	103.0	0.1 U	7.7 U	3,570 B	14.3 S	2.1 U	84,000	16.7 B	2.2 U
		15-Jun-93	F	17.0 B	9.0 U	6.1 B	20.4 BE	1.4 U	89,900	2.9 U	0.7 U	20.1 B	0.4 U	25,500	20.0	0.1 U	7.8 B	3,860 B	16.0 B	1.2 U	79,800	16.8 B	3.6 B
72		17-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	94,000	10.0 U	25.0 U	100.0 U	3.0 U	27,000	26.0	0.2 U	40.0 U	3,350 J	10.0	10.0 U	78,000	50 U	20.0 U
		17-Jan-96	UF	3100.0	60.0 U	10.0 U	200.0 U	5.0 U	95,000	10.0 U	25.0 U	2390.0	3.0 U	29,000	57.0	0.2 U	40.0 U	3,810 J	8.0	10.0 U	82,000	50 U	20.0 U
18_BGMW02D (D)	314	17-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	93,000	10.0 U	25.0 U	100.0 U	3.0 U	27,000	25.0	0.2 U	40.0 U	3,320 J	8.0	10.0 U	76,000	50 U	20.0 U
		17-Jan-96	UF	1200.0	60.0 U	10.0 U	200.0 U	5.0 U	97,000	10.0 U	25.0 U	1900.0	3.0 U	28,000	59.0	0.2 U	40.0 U	3,530 J	9.0	10.0 U	76,000	50 U	20.0 U
18_BGMW02E	233	21-Sep-92	F	31.0 U	13.2 B	3.2 B	49.3 B	1.4 B	109,000	3.7 U	1.4 B	26.2 B	0.6 U	33,200	85.0	0.1 B	96.9	3,700 B	13.3 SN	2.1 U	109,000	10.8 B	7.1 B
		15-Jun-93	F	17.5 B	20.2 B	2.1 B	36.5 BE	1.4 U	109,000	2.9 U	0.7 U	56.6 B	0.4 U	32,400	17.2	0.1 U	294.0	3,610 B	14.0 B	1.2 U	89,400	9.2 B	6.1 B
73		1-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	118,000	10.0 U	25.0 U	100.0 U	3.0 U	35,000	15.0	0.2 U	320.0	2,960 J	6.0	10.0 U	92,000	50 U	20.0 U
		1-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	119,000	80.0	25.0 U	820.0	3.0 U	36,000	40.0	0.2 U	290.0	3,020 J	5.0 U	10.0 U	93,000	50 U	20.0 U
18_BGMW03A	390	29-Oct-92	F	31.0 U	12.1 U	3.4 B	35.8 BE	1.2 U	75,900	3.7 U	0.9 U	2.3 U	0.6 U	23,400	3.2 B	0.2	7.7 U	2,300 B	13.7 SN	2.1 U	100,000	19.5 B	2.2 U
		14-Jul-93	F	14.9 B	14.4 B	3.4 B	33.5 B	1.4 U	78,200	2.9 U	2.7 B	27.4 B	0.4 U	24,500	13.5 B	0.1 U	237.0	2,610 B	14.4 SN	1.2 U	101,000	14.6 B	5.3 B
74		29-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	78,000	10.0 U	25.0 U	100.0 U	3.0 U	24,000	42.0	0.2 U	150.0	5,240	12.0	10.0 U	92,000	50 U	110.0
		29-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	75,000	10.0 U	25.0 U	175.0	3.0 U	23,000	45.0	0.2 U	160.0	5,230	7.0	10.0 U	89,000	50 U	140.0
18_BGMW03A (D)	390	29-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	78,000	10.0 U	25.0 U	100.0 U	3.0 U	24,000	40.0	0.2 U	150.0	5,150	11.0	10.0 U	92,000	50 U	110.0
		29-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	79,000	10.0 U	25.0 U	136.0	3.0 U	24,000	44.0	0.2 U	160.0	5,390	10.0	10.0 U	92,000	50 U	130.0
18_BGMW03B	300	28-Oct-92	F	31.0 U	12.1 U	2.6 B	39.4 BE	1.2 U	71,600	3.7 U	0.9 U	3.6 B	0.6 U	21,500	5.0 B	0.1 U	65.5	2,310 B	9.4 SN	2.1 U	86,100	21.1 B	6.5 B
		28-Nov-92	F	31.0 U	12.1 U	3.2 B	39.6 BE	1.2 U	70,700	3.7 U	0.9 U	4.5 B	0.6 U	21,400	5.0 B	0.1 U	67.4	2,170 B	11.2 SN	2.1 U	86,100	19.9 B	4.7 B
75		14-Jul-93	F	7.0 U	9.0 U	2.0 B	38.2 B	1.4 U	75,300	2.9 U	0.7 U	42.9 B	0.4 U	22,100	39.1	0.1 U	691.0	2,290 B	10.8 SN	1.2 U	81,400	13.9 B	4.4 B
		14-Jul-93	F	9.8 B		3.3 B	39.2 B		76,900		1.0 B	43.4 B		22,400	40.2		710.0	2,600 B	12.0 SN		82,900	14.9 B	5.0 B
		29-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	75,000	10.0 U	25.0 U	100.0 U	3.0 U	22,000	20.0	0.2 U	230.0	3,250 J	6.0	10.0 U	78,000	50 U	130.0
		29-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	75,000	13.0	25.0 U	139.0	3.0 U	22,000	20.0	0.2 U	240.0 B	3,320 J	7.0	10.0 U	78,000	50 U	140.0
18_BGMW03C	242	17-Dec-92	F	31.0 U	13.0 B	2.3 B	42.7 B	1.8 B	84,200	3.7 U	0.9 U	31.2 B	0.6 U	24,500	13.8 B	0.1 U	75.0	2,490 B	39.0 B	2.1 U	80,300	19.2 B	2.7 B
		15-Jul-93	F	13.2 B	15.5 B	2.6 BWN	45.4 B	0.7 U	84,500	2.8 U	2.4 B	49.7 B	0.4 U	24,700	6.6 B	0.1 U	38.9 B	2,820 B	14.4 SN	2.9 B	76,300	20.4 B	3.3 B
76		12-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	97,000	10.0 U	25.0 U	100.0 U	3.0 U	29,000	15.0 U	0.2 U	67.0	3,640 J	7.0	10.0 U	84,000	50 U	20.0 U
		12-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	99,000	10.0 U	25.0 U	100.0 U	3.0 U	29,000	15.0 U	0.2 U	69.0	3,610 J	9.0	10.0 U	85,000	50 U	20.0 U
18_BGMW03E	164	17-Dec-92	F	31.0 U	17.5 B	0.8 B	33.7 B	3.4 B	135,000	3.7 U	1.0 B	20.7 B	0.6 U	34,700	27.0	0.1 U	155.0	7,120	41.9 B	2.2 B	82,800	12.4 B	2.4 B
		15-Jul-93	F	30.8 B	18.2 B	1.2 BWN	33.0 B	0.7 U	136,000	2.8 U	2.8 B	40.6 B	0.4 U	34,100	22.7	0.1 U	171.0	5,970	13.9 SN	2.9 B	76,700	10.8 B	2.8 B
77		5-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	138,000	10.0 U	25.0 U	100.0 U	3.0 U	34,000	15.0	0.2 U	140.0	5,190	10.0	10.0 U	88,000	50 U	20.0 U
		5-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	135,000	27.0	25.0 U	370.0	3.0 U	34,000	18.0	0.2 U	150.0	5,240	12.0	10.0 U	87,000	50 U	20.0 U
18_BGMW04A	306	30-Sep-92	F	31.0 U	12.1 U	2.0 BW	37.2 B	2.2 B	76,900	3.7 U	1.8 B	23.0 B	0.6 U	20,400	19.7	0.1 U	110.0	2,190 B	4.1 B	2.1 U	102,000	15.2 B	6.4 B
		16-Jul-93	F	12.7 B	9.1 B	1.8 B	34.9 B	1.4 U	79,300	2.9 U	0.7 U	16.1 B	0.4 U	20,700	10.9 B	0.1 B	217.0	2,950 B	6.1 S	1.2 U	93,600	19.8 B	4.3 B
78		28-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	81,000	10.0 U	25.0 U	100.0 U	3.0 U	22,000	69.0	0.2 U	510.0	3,390 J	5.0 U	10.0 U	91,000	50 U	675.0
		28-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	82,000	47.0	25.0 U	490.0	3.0 U	22,000	71.0	0.2 U	510.0	3,350 J	5.0 U	10.0 U	92,000	50 U	712.0
18_BGMW04B	210	29-Sep-92	F	31.0 U	17.5 B	2.9 B	53.4 B	1.2 U	86,000	4.0 B	0.9 U	6.6 B	0.6 U	22,800	5.4 B	0.1 U	18.9 B	2,330 B	6.7 S	2.1 U	97,700	20.6 B	2.2 U
		13-Jul-93	F	10.1 B	9.4 B	3.2 B	57.6 B	1.4 U	93,900	5.2 B	0.7 U	57.6 B	0.4 U	25,300	7.0 B	0.1 U	95.2	2,520 B	5.8 N	1.2 U	99,300	19.2 B	5.2 B
		13-Jul-93	F	28.3 B	9.0 U	3.0 B	57.4 B	1.4 U	94,100	3.4 B	4.2 B	59.9 B	0.4 U	25,500	7.2 B	0.1 U	86.2	2,710 B	6.5 N	1.2 U	101,000	18.7 B	5.2 B
79		19-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	115,000	10.0 U	25.0 U	100.0 U	3.0 U	31,000	48.0	0.2 U	52.0	2,420 J	5.0	10.0 U	106,000	50 U	20.0 U
		19-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	114,000	160.0	25.0 U	1400.0	3.0 U	31,000	33.0	0.2 U	61.0	2,410 J	6.0	10.0 U	106,000	50 U	20.0 U
18_BGMW04B (D)	210	19-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	116,000	150.0	25.0 U	1600.0	3.0 U	31,000	41.0	0.2 U	67.0	2,430 J	6.0	10.0 U	108,000	50 U	20.0 U
		19-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	113,000	10.0 U	25.0 U	100.0 U	3.0 U	31,000	15.0 U	0.2 U	54.0	2,370 J	6.0	10.0 U	104,000	50 U	20.0 U

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	8.0	50.0	1000.0	5.0		50.0	1000.0	300.0	15.0		50.0	2.0	100.0		50.0	50.0			5000.0
18_BGMW05A	482	15-Dec-92	F	34.0 B	20.4 B	0.7 U	52.0 B	1.2 U	176,000	3.7 U	0.9 U	122.0	0.6 UW	93,100	423.0	0.1 U	7.7 U	9,320	35.5 B	2.1 U	798,000	2.7 B	2.2 U
		8-Jul-93	F	30.5 B	15.7 B	1.4 B	52.0 BE	1.4 U	173,000	2.9 U	0.8 B	79.3 B	0.4 UW	88,400	485.0	0.1 U	7.1 U	9,490	4.4 B	1.2 U	762,000	3.3 B	0.8 U
		26-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	125,000	10.0 U	25.0 U	147.0	4.0	66,000	300.0	0.2 U	40.0 U	35,000	5.0 U	10.0 U	587,000	50 U	20.0 U
		26-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	126,000	10.0 U	25.0 U	550.0	4.0	68,000	310.0	0.2 U	40.0 U	34,000	5.0 U	10.0 U	602,000	50 U	48.0
18_BGMW05A (D)	482	26-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	119,000	10.0 U	25.0 U	124.0	3.0 U	65,000	300.0	0.2 U	40.0 U	36,000	5.0 U	10.0 U	566,000	50 U	20.0 U
		26-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	120,000	10.0 U	25.0 U	470.0	5.0	64,000	290.0	0.2 U	40.0 U	37,000	5.0 U	10.0 U	560,000	50 U	25.0
18_BGMW05B	341	11-Nov-92	F	31.0 U	12.1 U	2.0 B	42.0 B	2.4 B	84,500	12.0	1.3 B	10.1 B	0.6 U	17,300	24.8	0.1 U	88.3	2,710 B	11.7 SN	2.1 U	121,000	11.4 B	6.1 B
		8-Jul-93	F	23.9 B	18.7 B	1.7 B	34.4 BE	1.4 U	82,700	2.9 U	1.0 B	84.4 B	0.4 U	16,700	25.4	0.1 U	486.0	2,770 B	9.6 B	1.2 U	119,000	8.9 B	5.2 B
		29-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	95,000	10.0 U	25.0 U	100.0 U	3.0 U	19,000	15.0 U	0.2 U	55.0	3,490 J	13.0	10.0 U	103,000	50 U	87.0
		29-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	94,000	78.8	25.0 U	540.0	3.0 U	19,000	15.0 U	0.2 U	56.0	3,660 J	10.0	10.0 U	103,000	50 U	130.0
18_BGMW05C	245	10-Nov-92	F	31.0 U	12.1 U	2.6 BW	61.2 B	1.4 B	90,500	3.7 U	1.5 B	5.9 B	0.6 U	18,200	2.0 B	0.1 U	54.8	2,600 B	12.3 B	2.1 U	113,000	12.0 B	13.9 B
		10-Nov-92	F	31.0 U	12.1 U	2.3 BW	62.7 B	1.5 B	91,100	3.7 U	0.9 U	4.1 B	0.6 U	18,300	2.0 B	0.1 U	48.9	2,650 B	10.3 B	2.1 U	113,000	12 B	27.5
		9-Jul-93	F	23.8 B	18.4 B	5.3 B	62.8 BE	1.4 U	93,800	4.2 B	0.8 B	29.9 B	0.4 U	17,500	4.1 B	0.1 U	74.1	2,640 B	14.5 S	1.2 U	106,000	14.3 B	5.4 B
		29-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	81,000	10.0 U	25.0 U	100.0 U	3.0 U	17,000	15.0 U	0.2 U	300.0	3,630 J	7.0	10.0 U	110,000	50 U	56.0
		29-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	83,000	3.7 U	25.0 U	100.0 U	3.0 U	18,000	15.0 U	0.2 U	300.0	3,480 J	9.0	10.0 U	112,000	50 U	54.0
18_BGMW05D	133	3-Nov-92	F	31.0 U	12.1 U	0.7 U	123.0 BE	118.0	119,000		18.9 B	18.7 B	0.6 U	31,200	24.8	0.1 U	18.5 B	2,350 B	1.9 BWN	2.1 U	139,000	16.9 B	151.0
		12-Jul-93	F	31.2 B	13.0 B	1.8 B	64.1 BE	1.4 U	135,000	2.9 U	0.7 U	113.0	0.4 U	34,000	14.7 B	0.1 U	330.0	2,500 B	3.5 U	1.2 U	146,000	16.2 B	1.9 B
		19-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	141,000	10.0 U	25.0 U	100.0 U	4.0	36,000	20.0	0.2 U	130.0	3,200 J	5.0 U	10.0 U	132,000	50 U	20.0 U
		19-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	139,000	43.0	25.0 U	390.0	5.0	38,000	14.0 J	0.2 U	160.0	3,320 J	5.0 U	10.0 U	141,000	50 U	20.0 U
18_BGMW07	65	9-Dec-92	F	31.0 U	12.1 U	7.1 B	199.0 B	1.2 U	149,000	3.7 U	0.9 U	80.1 B	0.6 U	42,400	706.0	0.1 U	35.8 B	4,470 B	1.2 BWN*	2.1 U	155,000	20.4 B	2.2 U
		18-Jun-93	F	78.8 B	13.5 B	7.4 B	233.0	1.4 U	148,000	2.9 U	0.7 U	45.1 B	0.4 U	41,200	529.0	0.1 U	32.7 B	4,840 B	7.2 B	1.2 U	143,000	13.8 B	22.7
		9-Feb-96	F	200.0 U	60.0 U	10.0 U	332.0	5.0 U	211,000	10.0 U	25.0 U	100.0 U	3.0 U	55,000	669.0	0.2 U	40.0 U	5,590	5.0 U	10.0 U	188,000	50 U	20.0 U
		9-Feb-96	UF	200.0 U	60.0 U	10.0 U	312.0	5.0 U	198,000	10.0 U	25.0 U	100.0 U	3.0 U	52,000	641.0	0.2 U	40.0 U	5,180	5.0 U	10.0 U	172,000	50 U	20.0 U
18_BGMW12	205	9-Nov-92	F	31.0 U	19.2 B	0.7 U	43.2 B	1.2 U	190,000	3.7 U	0.9 U	2.3 U	0.6 U	140,000	183.0	0.1 U	14.3 B	5,860	108.0 S	2.1 U	157,000	8.0 B	49.0
		2-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	188,000	10.0 U	25.0 U	100.0 U	3.0 U	121,000	49.0	0.2 U	290.0	5,240	89.0	10.0 U	211,000	50 U	20.0 U
18_BGMW14	115	20-Oct-92	F	31.0 U	12.1 U	0.9 BW	109.0 B	1.2 U	118,000	3.7 U	2.0 B	28.3 B	0.6 U	27,000	5.2 B	0.1 U	17.0 B	1,360 B	2.5 UN	2.1 U	101,000	14.4 B	4.4 B
		19-Oct-93	F	30.8 B*	17.7 B	1.1 B	113.0 B	0.7 U	141,000	5.6 B	4.3 B	200.0	0.5 U	31,400	31.3	0.1 U	590.0	1,610 B	3.5 U	1.8 U	111,000	10.7 B	4.0 B*
		18-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	208,000	10.0 U	25.0 U	100.0 U	4.0	50,000	58.0	0.2 U	850.0	3,120 J	5.0 U	10.0 U	153,000	50 U	20.0 U
		18-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	198,000	79.0	25.0 U	810.0	3.0	48,000	54.0	0.2 U	620.0	2,960 J	5.0 U	10.0 U	146,000	50 U	20.0 U
18_BGMW15	215	30-Oct-92	F	31.0 U	12.1 U	0.7 U	41.1 BE	1.2 U	279,000	3.7 U	0.9 U	2.3 U	0.6 U	90,200	175.0	0.1 U	7.7 U	5,250	62.1 N	2.1 U	152,000	5.8 B	3.2 B
		9-Jul-93	F	41.1 B	27.2 B	3.7 B	40.3 BE	1.4 U	366,000	2.9 U	1.9 B	8.2 U	0.4 U	121,000	151.0	0.1 U	8.4 B	4,860 B	157.0	1.2 U	158,000	6.9 B	1.4 B
		2-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	321,000	10.0 U	25.0 U	100.0 U	3.0 U	115,000	19.0	0.2 U	40.0 U	3,570 J	151.0	10.0 U	159,000	50 U	20.0 U
		2-Feb-96	UF	349.0	60.0 U	10.0 U	200.0 U	5.0 U	315,000	20.0	25.0 U	1500.0	3.0 U	112,000	81.0	0.2 U	40.0 U	3,630 J	138.0	10.0 U	158,000	50 U	34.0
18_BGMW16	263	23-Oct-92	F	31.0 U	14.1 B	1.9 B	18.0 B	1.2 U	108,000	3.7 U	1.8 B	2.3 U	0.6 U	52,900	6.5 B	0.1 U	7.7 U	3,020 B	29.4 N	2.1 U	119,000	15.0 B	3.0 B
		23-Oct-92	F	31.0 U	12.1 U	1.5 B	18.2 B	1.2 U	108,000	3.7 U	1.2 B	4.7 B	0.6 U	52,500	4.5 B	0.1 U	7.7 U	2,990 B	30.8 N	2.1 U	118,000	15.4 B	2.8 B
		19-Jul-93	F	31.9 B	16.2 B	2.6 B	19.7 B	1.4 U	98,200	4.4 B	2.8 B	51.5 B	0.4 U	49,700	10.5 B	0.1 U	52.9	2,940 B	24.4 B	1.2 U	113,000	14.7 B	6.1 B
		19-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	109,000	10.0 U	25.0 U	430.0	3.0	56,000	67.0	0.2 U	260.0	2,560 J	26.0	10.0 U	117,000	50 U	20.0 U
		19-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	112,000	58.0	25.0 U	830.0	3.0 U	56,000	42.0	0.2 U	200.0	2,640 J	27.0	10.0 U	118,000	50 U	20.0 U
18_BGMW17	255	22-Oct-92	F	31.0 U	15.8 B	3.9 B	67.9 B	1.2 U	120,000	3.7 U	0.9 U	38.4 B	0.6 U	35,000	17.3	0.1 UN	58.3	2,630 B	10.3 S	2.1 U	106,000	12.6 B	2.2 U
		12-Jul-93	F	25.3 B	16.4 B	4.0 B	62.8 BE	1.4 U	118,000	3.5 B	0.7 U	149.0	0.4 U	33,800	15.7	0.1 U	264.0	2,740 B	10.8 B	1.2 U	102,000	10.4 B	0.8 U
		29-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	124,000	10.0 U	25.0 U	200.0	4.0	37,000	15.0	0.2 U	220.0	2,690 J	13.0	10.0 U	108,000	50 U	20.0 U
		29-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	123,000	50.0	25.0 U	750.0	3.0 U	37,000	25.0	0.2 U	220.0	2,660 J	12.0	10.0 U	105,000	50 U	20.0 U
18_BGMW18	180	10-Nov-92	F	31.0 U	17.9 B	2.3 B	32.1 B	1.2 U	98,500	3.7 U	0.9 U	3.6 B	0.6 U	62,700	7.2 B	0.1 U	22.4 B	4,340 B	11.9 B	2.1 U	150,000	13.0 B	2.2 U
		16-Jul-93	F	15.2 B	21.1 B	2.8 B	26.5 B	1.4 U	101,000	3.8 B	1.5 B	8.2 U	0.4 UW	61,600	5.0 B	0.1 U	48.9	4,100 B	13.7 B	1.2 U	142,000	13.2 B	0.9 B
		5-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	98,000	10.0 U	25.0 U	100.0 U	3.0 U	64,000	15.0 U	0.2 U	77.0	3,050 J	12.0	10.0 U	153,000	50 U	20.0 U
		5-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	99,000	10.0 U	25.0 U	100.0 U	3.0 U	64,000	15.0 U	0.2 U	78.0	3,200 J	16.0	10.0 U	154,000	50 U	20.0 U
18_BGMW19A	468	22-Dec-92	F	39.4 U	10.7 U	3.0 B	39.0 B	3.0 U	96,800	4.1 B	2.3 U	29.1 B	1.4 U	32,800	13.0 B	0.1 U	22.2 B	3,640 B	3.8 BW	2.0 U	107,000	16.9 B	16.8 B
		9-Jun-93	F	16.8 B	12.0 B	2.6 BWN	40.0 B	1.4 U	103,000	2.9 U	0.7 U	8.2 U	0.4 U	33,900	34.5	0.1 U	7.1 B	3,670 B	8.2 BN	1.2 U	105,000	19.9 B	3.7 B
		1-Mar-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	104,000	10.0 U	25.0 U	100.0 U	3.0 U	36,000	15.0 U	0.2 U	40.0 U	3,820 J	5.0 U	10.0 U	101,000	50 U	51.0
		1-Mar-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	98,000	10.0 U	25.0 U	100.0 U	3.0 U	35,000	15.0 U	0.2 U	40.0 U	3,740 J	5.0 U	10.0 U	97,000	50 U	59.0

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum 50.0	Antimony 6.0	Arsenic 50.0	Barium 1000.0	Cadmium 5.0	Calcium	Chromium 50.0	Copper 1000.0	Iron 300.0	Lead 15.0	Magnesium	Manganese 50.0	Mercury 2.0	Nickel 100.0	Potassium	Selenium 50.0	Silver 50.0	Sodium	Vanadium	Zinc 5000.0
18_BGMW19B	420	17-Dec-92	F	31.0 U	19.1 B	122.0 W	37.4 B	2.7 B	93,200	3.7 U	6.9 B	48.4 B	0.6 U	31,000	64.9	0.1 U	45.2	3,370 B	13.8	2.2 B	102,000	18.6 B	96.1
92		11-Jun-93	F	22000.0	9.0 U	8.8 B	241.0 E	2.7 B	119,000	178.0	29.0	29700.0	11.7	45,000	468.0	0.2 B	314.0	10,200	19.8 BN	1.8 B	111,000	96.9	4350.0
		11-Mar-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	87,000	10.0 U	25.0 U	100.0 U	3.0 U	32,000	70.0	0.2 U	150.0	3,560 J	10.0	10.0 U	98,000	50 U	390.0
		11-Mar-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	93,000	10.0 U	25.0 U	194.0	3.0 U	33,000	76.0	0.2 U	160.0 26	3,650 J	9.0	10.0 U	101,000	50 U	437.0
18_BGMW19C	277	24-Sep-92	F	22.2 U	17.2 B	3.8 B	37.0 BE	2.7 U	133,000	5.0 B	3.0 B	41.4 B	1.4 U	52,500	10.8 B	0.2 B	19.4 B	5,670	53.6 S	1.5 B	141,000	22.3 B	13.4 B
93		24-Sep-92	F	25.4 B	15.6 B	3.6 B	37.3 BE	3.6 B	136,000	7.2 B	2.7 B	45.7 B	1.4 U	52,900	10.9 B	0.3	25.1 B	5,140	51.4 +	1.5 U	141,000	25.4 B	40.3
		28-Jun-93	F	20.3 B	21.8 B	2.3 B	32.5 B	1.4 U	147,000	3.4 B	0.8 B	24.8 B	0.4 U	56,600	5.5 B	0.1 B	30.3 B	4,360 B	47.1 N	1.3 B	142,000	24.7 B	4.0 B
		29-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	162,000	10.0 U	25.0 U	100.0 U	3.0 U	66,000	15.0 U	0.2 U	260.0	5,450	53.0	10.0 U	147,000	50 U	474.0
		29-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	161,000	18.0	25.0 U	177.0	3.0 U	66,000	15.0 U	0.2 U	260.0	5,470	57.0	10.0 U	149,000	50 U	488.0
18_BGMW19D	170	25-Sep-92	F	31.0 U	14.4 B	1.5 B	18.8 B	1.2 U	227,000	3.7 U	0.9 U	2.3 U	0.6 U	108,000	1.9 B	0.1 B	7.7 U	3,200 B	24.8 SN	2.1 U	190,000	23.8 B	3.4 B
94		14-Jun-93	F	62.0 B	23.8 B	2.5 B	21.0 BE	1.4 U	209,000	2.9 U	0.7 U	8.2 U	0.4 U	98,800	1.3 B	0.1 U	7.1 U	3,550 B	27.2 B	1.2 U	174,000	22.9 B	10.9 B
		16-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	292,000	10.0 U	25.0 U	100.0 U	5.0	159,000	15.0 U	0.2 U	40.0 U	5,770	12.0	10.0 U	246,000	50 U	51.0
		16-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	294,000	10.0 U	25.0 U	100.0 U	6.0	156,000	15.0 U	0.2 U	40.0 U	5,810	12.0	10.0 U	244,000	50 U	51.0
18_BGMW19E	138	12-Nov-92	F	31.0 U	15.1 B	0.7 U	46.9 B	1.2 U	197,000	3.7 U	1.1 B	2.3 U	0.6 U	89,300	9.9 B	0.1 U	9.0 B	5,230	18.6 SN	2.1 U	229,000	15.7 B	9.1 B
95		14-Jun-93	F	58.9 B	23.8 B	2.0 B	44.0 BE	1.4 U	197,000	2.9 U	1.9 B	12.9 B	0.4 U	91,200	8.7 B	0.1 U	7.1 U	5,400	21.6 B	1.2 U	213,000	10.7 B	14.0 B
		14-Jun-93	F	129.0 B	27.0 B	2.3 B	45.8 BE		201,000		2.7 B	256.0	3.0	93,600	13.3 B		11.0 B	5,450	21.8 B		216,000	10.9 B	15.4 B
		6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	193,000	14.0	25.0 U	100.0 U	6.0	84,000	46.0	0.2 U	40.0 U	4,740 J	14.0	10.0 U	263,000	50 U	20.0 U
		6-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	190,000	14.0	25.0 U	300.0		83,000	65.0	0.2 U	40.0 U	4,620 J	12.0	10.0 U	258,000	50 U	29.0
18_BGMW22	287	9-Dec-92	F	31.0 U	17.4 B	6.5 B	52.0 B	1.2 U	57,100	3.7 U	1.2 B	8.6 B	0.6 U	37,300	6.4 B	0.1 U	66.4	2,890 B	2.6 BN*	2.1 U	181,000	32.7 B	2.2 U
96		28-Jun-93	F	7.8 B	9.2 B	5.7 B	50.1 B	1.4 U	49,900	2.9 U	0.7 U	198.0	0.4 U	32,900	30.1	0.1 U	239.0	3,250 B	5.9 BN	1.2 U	188,000	30.2 B	2.4 B
		22-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	48,000	10.0 U	25.0 U	100.0 U	3.0 U	30,000	19.0	0.2 U	350.0	2,620 J	5.0 U	10.0 U	208,000	50 U	20.0 U
		22-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	48,000	35.0	25.0 U	1000.0	3.0 U	30,000	26.0	0.2 U	380.0	2,650 J	5.0 U	10.0 U	206,000	50 U	20.0 U
18_BGMW23	104	10-Dec-92	F	31.0 U	12.1 U	0.7 U	52.7 B	1.2 U	103,000	3.7 U	0.9 U	40.8 B	0.6 U	25,700	2.7 B	0.1 U	7.7 U	2,390 B	6.6	2.1 U	147,000	10.8 B	4.9 B
97		22-Jun-93	F	12.0 B	9.0 U	0.6 B	50.5 BE	1.4 U	99,300	2.9 U	0.7 U	37.2 B	0.4 U	25,000	2.5 B	0.1 U	10.0 B	2,340 B	8.6 BN*	1.2 U	147,000	9.7 B	2.0 B
		19-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	106,000	10.0 U	25.0 U	100.0 U	5.0	28,000	15.0 U	0.2 U	40.0 U	3,360 J	5.0 U	10.0 U	153,000	50 U	20.0 U
		19-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	107,000	41.0	25.0 U	610.0	5.0	29,000	17.0	0.2 U	40.0 U	3,510 J	5.0 U	10.0 U	158,000	50 U	20.0 U
18_BGMW24	71	12-Nov-92	F	31.0 U	12.1 U	3.0 B	24.9 B	1.2 U	75,500	3.7 U	1.8 B	3.5 B	0.6 U	42,700	26.3	0.1 U	7.7 U	5,370	34.2 SN	2.1 U	93,200	9.8 B	2.7 B
98		9-Jul-93	F	28.4 B	10.9 B	4.0 B	26.4 BE	1.4 U	96,800	2.9 U	1.8 B	29.7 B	0.4 U	36,300	2.7 B	0.1 U	17.4 B	2,930 B	31.2	1.2 U	71,900	13.2 B	4.7 B
		7-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	87,000	10.0 U	25.0 U	100.0 U	3.0 U	45,000	15.0 U	0.2 U	40.0 U	2,980 J	39.0	10.0 U	79,000	50 U	20.0 U
		7-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	79,000	20.0	25.0 U	780.0	3.0 U	40,000	15.0 U	0.2 U	40.0 U	2,800 J	39.0	10.0 U	73,000	50 U	20.0 U
18_BGMW101	130	13-Nov-92	F	31.0 U	25.1 B	0.7 U	24.9 B	3.0 B	207,000	3.7 U	1.8 B	2.3 U	0.6 U	55,000	23.3	0.1 U	114.0	2,790 B	25.7 SN	2.1 U	157,000	21.2 B	4.4 B
99		19-Jul-93	F	31.6 B	11.9 B	1.4 B	24.6 B	1.4 U	207,000	7.7 B	0.7 U	156.0	0.4 U	54,700	13.3 B	0.1 U	184.0	3,070 B	26.2	1.2 U	155,000	21.1 B	1.6 B
		29-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	231,000	10.0 U	25.0 U	240.0	3.0 U	62,000	20.0	0.2 U	120.0	3,180 J	33.0	10.0 U	182,000	50 U	20.0 U
		29-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	232,000	356.0	25.0 U	3410.0	3.0 U	62,000	28.0	0.2 U	130.0	3,240 J	38.0	10.0 U	184,000	50 U	20.0 U
18_DW135	135	20-Jan-89	NA						230,000		9.0 U	1000.0		140,000	42.0			3,200	64.0		180,000		430.0
100		22-Dec-92	F	39.4 U	10.7 U	1.8 B	22.2 B	3.0 U	229,000	2.9 U	2.3 U	35.8 B	1.4 U	119,000	10.2 B	0.1 U	5.3 U	2,500 B	113.0 S	2.0 U	211,000	13.8 B	108.0
		22-Dec-92	F	39.4 U	10.7 U	1.3 B	21.8 B	3.0 U	226,000	3.3 B	2.3 U	43.4 B	1.4 U	119,000	10.6 B	0.5	5.3 U	2,470 B	147.0 S	2.0 U	210,000	14.9 B	94.5
		19-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	311,000	10.0 U	25.0 U	100.0 U	7.0	154,000	15.0 U	0.2 U	40.0 U	4,440 J	116.0	10.0 U	195,000	50 U	27.0
		19-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	318,000	29.0	25.0 U	320.0	9.0	157,000	15.0 U	0.2 U	40.0 U	4,610 J	129.0	10.0 U	199,000	50 U	37.0
18_DW250	250	20-Jan-89	NA						81,000		9.0 U	8100.0		29,000	50.0			3,100	4.0		90,000		890.0
101		21-Dec-92	F	31.0 U	12.1 U	2.7 B	32.7 BE	1.2 U	90,700	3.7 U	0.9 U	31.2 B	0.6 U	26,200	21.5	0.1 U	7.7 U	2,530 B	17.9 SN	2.1 U	91,800	25.4 B	10.8 B
		6-Jul-93	F	22.9 B	25.2 B	2.6 B	34.4 B	1.4 U	103,000	2.9 U	1.4 B	56.6 B	0.4 U	29,900	38.6	0.1 U	7.1 U	2,920 B	25.0 N	1.6 B	97,000	25.5 B	7.5 B
		31-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	94,000	10.0 U	25.0 U	630.0	3.0 U	28,000	130.0	0.2 U	40.0 U	2,740 J	20.0	10.0 U	91,000	50 U	20.0 U
		31-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	93,000	10.0 U	25.0 U	1400.0	4.0	27,000	140.0	0.2 U	40.0 U	2,740 J	15.0	10.0 U	91,000	50 U	20.0 U
18_DW350	350	20-Jan-89	NA						76,000		23.0	5800.0		24,000	150.0			2,900	3.0		85,000		240.0
102		11-Jan-93	F	35.5 B	15.6 B	0.8 B	34.6 B	1.2 U	85,900	3.7 U	3.0 B	174.0	0.6 U	27,900	52.3	0.1 U	7.7 U	2,630 B	10.2 SN	2.1 U	91,600	13.2 B	3.8 B
		15-Jun-93	F	9.8 B	15.8 B	2.1 B	32.3 BE	1.4 U	81,500	2.9 U	1.2 B	103.0	0.4 U	25,700	14.1 B	0.1 U	7.1 U	2,580 B	18.4 B	1.3 B	87,400	19.4 B	6.4 B
		29-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	95,000	10.0 U	25.0 U	134.0	3.0 U	30,000	91.0	0.2 U	40.0 U	2,760 J	17.0	10.0 U	97,000	50 U	20.0 U
		29-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	96,000	16.0	25.0 U	6340.0	3.0 U	30,000	150.0	0.2 U	40.0 U	2,720 J	17.0	10.0 U	96,000	50 U	20.0 U

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0	5.0		50.0	1000.0	300.0	15.0		50.0	2.0	100.0		50.0	50.0			5000.0
18_DW450	450	20-Jan-89	NA						84,000		9.0 U	2200.0		26,000	47.0			2,800	4.0		90,000		220.0
		12-Jan-93	F	31.0 U	12.1 U	1.2 B	33.7 B	1.2 U	87,100	3.7 U	2.0 B	323.0	0.6 U	27,300	68.7	0.1 U	7.7 U	2,130 B	11.3 SN	2.1 U	87,200	13.7 B	2.2 U
		30-Jun-93	F	15.3 B	11.4 B	2.2 B	32.0 B	1.4 U	85,400	2.9 U	0.7 U	91.2 B	0.4 U	26,300	27.8	0.1 U	7.1 U	2,510 B	11.1 SN	1.2 U	85,200	13.1 B	4.6 B
03		29-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	110,000	10.0 U	25.0 U	136.0	3.0 U	35,000	Y	0.2 U	40.0 U	3,070 J	14.0	10.0 U	101,000	50 U	20.0 U
		29-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	111,000	10.0 U	25.0 U	900.0	5.0	35,000	98.0	0.2 U	40.0 U	3,110 J	20.0	10.0 U	102,000	50 U	20.0 U
18_DW540	540	21-Jan-89	NA						80,000		9.0 U	470.0		28,000	14.0 U			2,500	4.0		98,000		780.0
		13-Jan-93	F	187.0 B	13.2 B	0.7 U	32.6 B	1.2 U	84,200	3.7 U	11.6 B	385.0	0.6 U	27,400	117.0	0.1 U	7.7 U	2,360 B	6.7 N	2.1 U	91,500	7.1 B	3.8 B
		1-Jul-93	F	7.0 U	14.3 B	2.9 BN	29.9 BE	1.4 U	82,200	2.9 U	0.7 U	91.2 B	0.4 U	26,400	62.3	0.1 U	8.1 B	2,460 B	9.9 SN	1.2 U	83,900	11.0 B	5.0 B
04		30-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	89,000	10.0 U	25.0 U	191.0	3.0 U	29,000	160.0	0.2 U	40.0 U	2,290 J	7.0	10.0 U	88,000	50 U	20.0 U
		30-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	87,000	10.0 U	25.0 U	1600.0	3.0 U	28,000	160.0	0.2 U	40.0 U	2,150 J	12.0	10.0 U	84,000	50 U	20.0 U
18MCAS01-1	70	6-Feb-89	NA	22.0		9.1	86.0	0.1 U		3.8	15.0	14.0	4.0	48,000	31.0			2,200	5.0 U	0.1 U	287,000		90.0
		19-Oct-89	NA	46.0		33.0	57.0	0.2	163,000	21.0	3.4	91.0	1.0 U	42,000	1.7			100 U	7.1	0.2	302,000		344.0
		14-May-90	NA						164,000					40,000				1,600			284,000		
		11-Nov-90	NA						137,000					28,000				1,200			248,000		
		17-Jul-91	NA	1.5		5.0 U	23.0	1.0 U	137,000	1.0 U	23.0	2.1	1.0 U	24,000	1.0 U			1,300	5.0 U	1.0 U	261,000		50.0 U
05		~~22-Sep-92~~	F						39,000					32,000				1,300			311,000		
		23-Nov-93	F	28.7 B	14.1 B	4.3 B	25.6 B	1.3 U	131,000	2.2 U	1.3 U	7.3 U	0.3 U	33,900	0.8 U	0.1 U	9.1 U	1,410 B	5.8 BN	1.8 U	255,000	28.4 B	3.9 U
		23-Nov-93	F	30.5 B	17.7 B		25.8 B		133,000			8.1 B		34,300	1.0 B			1,520 B	9.4 BN		259,000	29.8 B	4.0 B
		24-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	169,000	10.0 U	25.0 U	100.0 U	3.0 U	41,000	15.0 U	0.2 U	40.0 U	1,210 J	8.0	10.0 U	284,000	50 U	20.0 U
		24-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	173,000	10.0 U	25.0 U	100.0 U	3.0 U	41,000	15.0 U	0.2 U	40.0 U	1,210 J	8.0	10.0 U	285,000	50 U	24.0
18MCAS01-2	160	6-Feb-89	NA	23.0		14.0	92.0	0.1 U	340,000	1.0 U	1.0 U	7.9	1.0 U	106,000	15.0			3,600	15.0	0.1 U	158,000		50.0 U
		19-Oct-89	NA	82.0		42.0	76.0	0.7	357,000	109.0	7.1	1500.0	1.0 U	99,000	43.0			1,500	33.0	0.1	200,000		114.0
		17-May-90	NA						363,000					111,000				3,400			185,000		
06		11-Nov-90	NA						371,000					60,000				3,300			190,000		
		21-Mar-91	NA	1.0 U		5.0 U	36.0	9.4	365,000	30.0	13.0	1.0 U	1.0 U	92,000	4.6			3,200	27.0	11.0	170,000		50.0 U
		17-Jul-91	NA	1.0 U		5.0 U	43.0	1.0 U	387,000	1.0 U	21.0	2.0	1.0 U	79,000	13.0			3,700	36.0	1.0 U	188,000		70.0
		~~22-Sep-92~~	F						360,000	2.2 U				100,000				3,300			190,000		
		24-Nov-93	F	36.9 B	17.8 B	1.1 B	38.3 B	1.3 U	365,000		1.3 U	7.3 U	0.3 U	97,600	3.0 B	0.1 U	23.3 B	3,160 B	56.0 N	1.8 U	165,000	16.9 B	5.3 B
		24-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	436,000	10.0 U	25.0 U	100.0 U	3.0 U	107,000	15.0 U	0.2 U	40.0 U	3,150 J	50.0	10.0 U	176,000	50 U	20.0 U
		24-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	441,000	14.0	25.0 U	100.0 U	3.0 U	107,000	15.0 U	0.2 U	40.0 U	3,130 J	60.0	10.0 U	175,000	50 U	30.0
18MCAS01-3	220	6-Feb-89	NA	11.0		5.0 U	79.0	0.3	180,000	1.0 U	1.4	16.0		49,000	65.0			3,700		0.1 U	172,000		52.0
		19-Oct-89	NA	123.0		27.0	167.0	6.0	191,000	443.0	177.0	11.0	1.0 U	46,000	120.0			1,500	10.0	0.2	200,000		
		17-May-90	NA						208,000					50,000				3,400			161,000		
		11-Nov-90	NA						209,000					43,000				3,500			188,000		
07		21-Mar-91	NA	3.4		5.0 U	52.0	5.6	197,000	18.0	24.0	22.0	1.0 U	44,000	6.6			3,900	15.0	1.8	174,000		100.0
		17-Jul-91	NA	1.0 U		5.0 U	66.0	1.0 U	202,000	1.0 U	19.0	1.9	1.0 U	35,000	14.0			4,200	5.6	1.0 U	183,000		130.0
		~~22-Sep-92~~	F						186,000					46,000				3,700			180,000		
		18-Jan-95	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	211,000	10.0 U	25.0 U	100.0 U	3.0 U	53,000	15.0 U	0.2 U	350.0	3,440 J	17.0	10.0 U	183,000	50 U	20.0 U
		18-Jan-95	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	204,000	150.0	25.0 U	1500.0	3.0 U	51,000	15.0 U	0.2 U	350.0	3,290 J	18.0	10.0 U	177,000	50 U	43.0
18MCAS01-4	280	7-Feb-89	NA	57.0		5.0 U	112.0	0.1	154,000	16.0	5.5	270.0	1.0 U	43,000	150.0			4,700	5.1	0.1 U	148,000		50.0 U
		19-Oct-89	NA	178.0		5.0 U	121.0	0.9	178,000	131.0	7.3	2270.0	1.0 U	47,000	57.0			1,500	8.4	0.2	165,000		50.0 U
		17-May-90	NA						196,000					49,000				3,700			161,000		
		11-Nov-90	NA						182,000					38,000				2,400			198,000		
		21-Mar-91	NA	1.0 U		5.0 U	43.0	4.8	172,000	18.0	23.0	1.0 U	1.0 U	40,000	36.0			4,000	9.7	1.0 U	165,000		50.0 U
		17-Jul-91	NA	6.6		5.0 U	62.0	1.0 U	167,000	1.0 U	21.0	15.0	1.0 U	36,000	32.0			3,900	5.0 U	1.0	160,000		61.0
08		~~22-Sep-92~~	F						157,000					39,000				3,800			160,000		
		24-Nov-93	F	27.4 B	15.6 B	1.2 B	66.3 B	1.3 U	197,000	2.2 U	1.3 U	57.6 B	0.3 U	49,200	20.1	0.1 U	225.0	3,540 B	18.0 BN	1.8 U	176,000	11.9 B	10.2 B
		29-Nov-93	F	29.4 B	12.8 U	1.7 B	62.7 B	1.3 U	154,000	2.2 U	1.3 U	11.5 B	0.3 U	40,000	4.4 B	0.1 U	192.0	3,680 B	7.6 BN	1.9 B	151,000	12.0 B	7.4 B
		18-Jan-95	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	160,000	10.0 U	25.0 U	100.0 U	3.0 U	41,000	17.0	0.2 U	110.0	3,340 J	7.0	10.0 U	155,000	50 U	20.0 U
		18-Jan-95	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	158,000	10.0 U	25.0 U	100.0 U	3.0 U	40,000	20.0	0.2 U	120.0	3,340 J	9.0	10.0 U	152,000	50 U	44.0
18MCAS01-5	340	6-Feb-89	NA	14.0		5.0 U	66.0	0.1	103,000	1.0 U	2.0	17.0	1.0 U	28,000	95.0			3,600	5.0 U	0.1 U	134,000		50.0 U
		19-Oct-89	NA	35.0		5.0 U	85.0	0.8	150,000	56.0	10.0	831.0	1.0 U	40,000	260.0			2,400	5.0 U	0.4	162,000		50.0 U
		17-May-90	NA						110,000					25,000				3,100			149,000		
		11-Nov-90	NA						106,000					23,000				3,000			154,000		
09		21-Mar-91	NA	1.0 U		5.0 U	22.0	2.9	102,000	9.7	35.0	1.0 U	1.0 U	23,000	6.3			3,400	5.0 U	1.0 U	150,000		50.0 U
		17-Jul-91	NA	2.7		5.6	32.0	1.0 U	99,000	1.0 U	16.0	6.0	1.0 U	21,000	10.0			3,500	5.0 U	1.0 U	146,000		50.0 U
		~~22-Sep-92~~	F						99,000					25,000				3,400			154,000		
		18-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	98,000	10.0 U	25.0 U	100.0 U	3.0 U	27,000	15.0 U	0.2 U	110.0	3,030 J	5.0 U	10.0 U	144,000	50 U	20.0 U
		18-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	98,000	10.0 U	25.0 U	108.0	3.0 U	27,000	15.0 U	0.2 U	120.0	3,050 J	5.0 U	10.0 U	147,000	50 U	36.0

NOTE: F=filtered sample, UF=unfiltered sample, NA=sample type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0	5.0		50.0	1000.0	300.0	15.0		50.0	2.0	100.0		50.0	50.0			5000.0
18MCAS01-6	460	6-Feb-89	NA	86.0		5.0 U	83.0	0.1 U	74,000	9.1	9.5	370.0	4.0	30,000	298.0			4,700	5.0 U	0.1 U	126,000		55.0
		19-Oct-89	NA	58.0		5.0 U	66.0	1.0	106,000	12.0	4.4	1320.0	1.0 U	26,000	279.0			1,500	5.0 U	0.1	138,000		50.0 U
		14-May-90	NA						111,000					21,000				3,300			134,000		
		11-Nov-90	NA						157,000					34,000				3,300			227,000		
10		19-Mar-91	NA	17.0		5.0 U	35.0	3.9	137,000	14.0	53.0	7.1	1.0 U	31,000	180.0			4,300	5.0 U	1.0 U	184,000		82.0
		17-Jul-91	NA	1.0 U		5.0 U	46.0	1.0 U	114,000	1.0 U	12.0	17.0	1.0 U	27,000	370.0			4,300	5.0 U	1.0 U	157,000		90.0
		~~22-Sep-92~~	F						95,000					23,000				4,000			139,000		
		16-Dec-93	F	19.2 U	12.8 U	0.7 U	35.7 BE	1.3 U	95,600	2.2 U	1.3 U	32.9 B	0.3 U	22,400	807.0	0.1 U	841.0	3,850 B	0.9 B	1.8 U	127,000	2.2 B	13.2 B
		18-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	97,000	10.0 U	25.0 U	100.0 U	3.0 U	23,000	628.0	0.2 U	580.0	3,430 J	5.0 U	10.0 U	133,000	50 U	20.0 U
		18-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	97,000	10.0 U	25.0 U	157.0	3.0 U	23,000	633.0	0.2 U	600.0	3,440 J	5.0 U	10.0 U	137,000	50 U	33.0
18MCAS01-7	550	6-Feb-89	NA	46.0		5.8	148.0	0.7	181,000	42.0	45.0	980.0	11.0	72,000	1100.0			7,400	5.0 U	0.1 U	260,000		180.0
		19-Oct-89	NA	368.0		5.0 U	87.0	0.1 U	191,000	19.0	5.8	1580.0	1.0 U	54,000	1920.0			4,800	5.8	0.2	270,000		50.0 U
		14-May-90	NA						134,000					35,000				6,100			221,000		
		11-Nov-90	NA						157,000			2100.0		38,000	1700.0			4,400			199,000		
		19-Mar-91	NA	24.0		5.0 U	55.0	1.9	78,000	19.0	25.0	37.0	1.0 U	15,000	870.0			3,100	5.0 U	1.2	162,000		420.0
11		17-Jul-91	NA	1.0 U		5.0 U	61.0	1.0 U	71,000	1.0 U	9.7	58.0	1.0 U	13,000	1000.0			3,200	5.0 U	1.6	143,000		50.0 U
		~~18-Sep-92~~	F						40,000					9,100				2,300			135,000		
		1-Dec-93	F	534.0	12.8 U	22.8	40.3 BE	1.3 U	56,800	46.0	1.3 U	2010.0	0.8 B	13,100	675.0	0.1 U	9.1 U	2,920 B	1.2 BW	1.8 U	170,000	4.0 B	22.2
		17-Jan-96	F	398.0	60.0 U	21.0	200.0 U	5.0 U	42,000	170.0	25.0 U	1900.0	3.0 U	10,000	447.0	0.2 U	40.0 U	2,450 J	5.0 U	10.0 U	194,000	50 U	34.0
		17-Jan-96	UF	200.0 U	60.0 U	19.0	200.0 U	5.0 U	44,000	130.0	25.0 U	1400.0	3.0 U	10,000	451.0	0.2 U	40.0 U	2,270 J	5.0 U	10.0 U	192,000	50 U	20.0 U
18MCAS02-1	50	7-Feb-89	NA	0.5		5.0 U	75.0	0.1 U	169,000	4.3	1.0 U	1.0 U	1.0 U	54,000	42.0			1,800	17.0	0.1 U	348,000		50.0 U
		17-Oct-89	NA	46.0		5.1	61.0	0.4	190,000	11.0	6.2	138.0	1.0 U	59,000	12.0			900	5.0 U	0.1 U	330,000		50.0 U
		18-May-90	NA						229,000					61,000				1,500			376,000		
		11-Nov-90	NA						227,000					60,000				1,300			350,000		
		5-Apr-91	NA	1.0 U		5.0 U	17.0	6.4	248,000	22.0	26.0	3.4	1.0 U	52,000	4.3			1,100	21.0	1.0 U	346,000		50.0 U
12		9-Jul-91	NA	1.3		5.0 U	23.0	1.0 U	197,000	1.0 U	19.0	30.0	1.0 U	52,000	52.0			1,100	5.2	1.0 U	355,000		50.0 U
		~~17-Sep-92~~	F						219,000					59,000				1,000			448,000		
		9-Nov-93	F	19.2 U	18.1 B	2.2 B	26.8 B	1.4 B	238,000	2.6 B	1.3 U	7.3 U	0.3 U	64,800	0.8 U	0.1 U	9.1 U	1,210 B	24.0 B	1.8 U	390,000	26.6 B	3.9 U
		30-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	258,000	10.0 U	25.0 U	100.0 U	4.0	72,000	15.0 U	0.2 U	40.0 U	1,310 J	22.0	10.0 U	403,000	50 U	20.0 U
		30-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	261,000	10.0 U	25.0 U	100.0 U	4.0	74,000	15.0 U	0.2 U	40.0 U	1,350 J	20.0	10.0 U	416,000	50 U	20.0 U
18MCAS02-2	140	7-Feb-89	NA	0.9		5.0 U	98.0	0.1 U	518,000	14.0	1.0 U	1.0 U	1.0 U	121,000	85.0			4,300	54.0	0.1 U	216,000		50.0 U
		17-Oct-89	NA	60.0		5.0 U	102.0	33.0	516,000	69.0	7.2	601.0	1.0 U	119,000	40.0			600	61.0	0.6	275,000		50.0 U
		18-May-90	NA						478,000					123,000				4,600			275,000		
		10-Nov-90	NA						430,000					92,000				4,100			260,000		
		5-Apr-91	NA	1.0 U		5.0 U	34.0	11.0	523,000	31.0	27.0	3.7	1.0 U	98,000	6.1			4,200	42.0	1.0 U	256,000		50.0 U
13		9-Jul-91	NA	4.6		5.0 U	45.0	1.5	413,000	2.8	18.0	290.0	1.0 U	104,000	8.0			4,300	35.0	1.0 U	257,000		50.0 U
		~~17-Sep-92~~	F						504,000					116,000				4,000			280,000		
		9-Nov-93	F	25.5 B	23.6 B	1.1 B	41.7 B	1.7 B	472,000	2.2 U	1.3 U	9.6 B	0.3 UW	111,000	17.1	0.1 U	281.0	3,960 B	63.6	1.8 U	258,000	14.0 B	16.1 B
		30-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	393,000	10.0 U	25.0 U	100.0 U	4.0	97,000	15.0	0.2 U	160.0	3,700 J	86.0	10.0 U	236,000	50 U	20.0 U
		30-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	411,000	58.0	25.0 U	580.0	3.0 U	102,000	17.0	0.2 U	170.0	3,950 J	86.0	10.0 U	248,000	50 U	25.0
18MCAS02-3	210	7-Feb-89	NA	3.7		5.0 U	70.0	0.1 U	148,000	2.5	2.6	1.0 U	1.0 U	36,000	10.0			3,400	5.0 U	0.1 U	176,000		85.0
		17-Oct-89	NA	40.0		5.0 U	75.0	0.3	149,000	8.0	7.9	38.0	1.0 U	40,000	2.7			3,300	9.4	0.5	172,000		50.0 U
		18-May-90	NA						169,000					42,000				3,700			243,000		
		5-Apr-91	NA	1.0 U		5.0 U	30.0	4.8	230,000	11.0	19.0	1.0 U	1.0 U	40,000	1.0 U			3,700		1.0 U	189,000		50.0 U
		9-Jul-91	NA	210.0		5.0 U	38.0	1.0 U	159,000	1.0 U	12.0	220.0	1.0 U	41,000	4.7			3,500	22.0	1.0 U	184,000		50.0 U
14		~~12-Sep-92~~	F						147,000					41,000				3,500	7.2		180,000		
		20-Nov-93	F	19.2 U	15.1 B	2.5 B	42.6 B	1.3 U	149,000	2.2 U	1.3 U	7.3 U	0.3 U	40,800	1.0 B	0.1 U	12.4 B	3,430 B	13.6 B	1.8 U	171,000	12.5 B	8.6 B
		30-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	131,000	10.0 U	25.0 U	100.0 U	5.0	39,000	15.0 U	0.2 U	43.0	3,460 J	8.0	10.0 U	167,000	50 U	20.0 U
		30-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	134,000	10.0 U	25.0 U	100.0 U	4.0	40,000	15.0 U	0.2 U	41.0	3,560 J	11.0	10.0 U	171,000	50 U	29.0
18MCAS02-4	380	16-Feb-89	NA	6.1		5.0 U	74.0	0.1 U	95,000	4.3	1.0 U	18.0	1.0 U	25,000	44.0			3,100	8.0	0.1 U	160,000		50.0
		17-Oct-89	NA	124.0		5.2	64.0	0.3	96,000	7.6	4.6	133.0	1.0 U	27,000	4.8			2,400	5.0 U	0.3	165,000		50.0 U
		18-May-90	NA						154,000					39,000				3,600			177,000		
		5-Apr-91	NA	1.7		5.0 U	27.0	4.7	190,000	9.2	34.0	3.5	1.0 U	39,000	31.0			3,000	19.0	1.0 U	188,000		50.0 U
15		9-Jul-91	NA	95.0		5.0 U	33.0	1.0 U	123,000	1.5	9.5	220.0	1.0 U	29,000	9.7			3,200	5.0 U	1.0 U	164,000		50.0 U
		~~17-Sep-92~~	F						100,000					27,000				3,100			172,000		
		11-Nov-93	F	19.2 U	12.8 U	3.6 B	33.1 B	1.3 U	101,000	2.7 B	1.3 U	7.3 U	0.3 U	26,000	0.8 U	0.1 U	9.1 U	2,970 B	8.6 B	1.8 U	150,000	14.9 B	10.8 B
		29-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	129,000	10.0 U	25.0 U	100.0 U	3.0 U	34,000	15.0	0.2 U	40.0 U	3,940 J	15.0	10.0 U	185,000	50 U	20.0 U
		29-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	122,000	10.0 U	25.0 U	100.0 U	3.0 U	33,000	15.0 U	0.2 U	40.0 U	3,660 J	17.0	10.0 U	176,000	50 U	59.0

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0	5.0		50.0	1000.0	300.0	15.0		50.0	2.0	100.0		50.0	50.0			5000.0
18MCAS02-5	430	8-Feb-89	NA	120.0		6.3	63.0	0.1 U	86,000	11.0	3.6	260.0	1.0 U	26,000	34.0			5,800	5.0 U	0.1 U	147,000		50.0 U
		10-Oct-89	NA	269.0		5.5	64.0	0.4	87,000	19.0	7.5	3.9	1.0 U	23,000	56.0			2,800	49.0	0.2	154,000		73.0
		18-May-90	NA						97,000					26,000				3,500			176,000		
		5-Apr-91	NA	1.0 U		5.0 U	30.0	4.5	183,000	7.2	17.0	7.7	1.0 U	30,000	220.0			3,700	10.0	1.0 U	251,000		50.0 U
		9-Jul-91	NA	1.0 U		5.0 U	34.0	1.0 U	111,000	1.0 U	8.4	10.0	1.0 U	27,000	210.0			3,700	5.0 U	1.0 U	185,000		50.0 U
		~~17-Sep-92~~	F						99,000					27,000				3,000			169,000		
		12-Nov-93	F	34.3 B	12.8 U	0.8 B	32.6 B	1.3 U	103,000	2.2 U	1.3 U	16.9 B	0.3 U	27,500	254.0	0.1 U	864.0	3,690 B	7.8 B	1.8 U	142,000	3.7 B	12.0 B
		29-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	109,000	10.0 U	25.0 U	100.0 U	3.0	29,000	317.0	0.2 U	965.0	3,850 J	10.0	10.0 U	154,000	50 U	20.0 U
		29-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	104,000	10.0 U	25.0 U	210.0	3.0	28,000	317.0	0.2 U	948.0	3,700 J	8.0	10.0 U	149,000	50 U	31.0
18MCAS02-6	500	8-Feb-89	NA	19.0		5.8	91.0	0.1 U	137,000	29.0	3.8	560.0	1.7	44,000	550.0			9,300	18.0	0.1 U	384,000		65.0
		10-Oct-89	NA	68.0		5.0 U	44.0	0.2	55,000	24.0	1.6	22.0	1.0 U	17,000	135.0			4,000	6.4	0.4	388,000		73.0
		18-May-90	NA						139,000					37,000				6,100			373,000		
		5-Apr-91	NA	1.0 U		5.0 U	35.0	4.5	170,000	6.5	14.0	12.0	1.0 U	32,000	370.0			6,200	11.0	1.0 U	408,000		55.0
		9-Jul-91	NA	1.0 U		5.0 U	38.0	1.0 U	93,000	1.0 U	7.1	14.0	1.0 U	25,000	340.0			4,700	5.0 U	1.0 U	416,000		50.0 U
		~~17-Sep-92~~	F						56,000					16,000				3,600			432,000		
		15-Nov-93	F	19.8 B	12.8 U	0.7 U	24.8 B	1.3 U	54,000	2.2 U	1.3 U	58.0 B	0.3 B	16,000	308.0	0.1 U	155.0	3,400 B	0.6 U	1.8 U	375,000	3.1 B	19.4 B
		29-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	67,000	10.0 U	25.0 U	100.0 U	3.0	19,000	390.0	0.2 U	310.0	4,100 J	5.0 U	10.0 U	430,000	50 U	20.0 U
		29-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	67,000	10.0 U	25.0 U	193.0	3.0 U	19,000	391.0	0.2 U	320.0	4,250 J	5.0 U	10.0 U	437,000	50 U	39.0
18MCAS02-7	580	8-Feb-89	NA	44.0		7.8	87.0	0.3	190,000	28.0	1.0	1000.0		48,000	640.0			8,900	25.0	0.1 U	467,000		60.0
		10-Oct-89	NA	98.0		5.0 U	56.0	0.3	142,000	48.0	7.7	8.0	1.0 U	42,000	220.0			8,000	5.6	0.4	555,000		73.0
		18-May-90	NA						157,000					43,000				9,600			561,000		
		5-Apr-91	NA	1.0 U		5.0 U	41.0	4.6	180,000	21.0	11.0	51.0	1.0 U	36,000	870.0			6,200	6.6	1.0 U	428,000		50.0 U
		9-Jul-91	NA	1.0 U		5.0 U	46.0	1.0 U	123,000	1.0 U	11.0	35.0	1.0 U	36,000	760.0			5,700	5.0 U	1.0 U	421,000		51.0
		~~17-Sep-92~~	F						95,000					32,000				5,800			530,000		
		16-Nov-93	F	19.2 U	12.8 U	0.9 B	28.5 B	1.3 U	86,800	2.2 U	1.3 U	244.0	0.6 B	30,200	754.0	0.1 U	745.0	5,120	3.0 U	1.8 U	460,000	1.4 U	16.1 B
		29-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	67,000	53.0	25.0 U	950.0	3.0 U	32,000	961.0	0.2 U	1570.0	6,890	5.0 U	10.0 U	587,000	50 U	26.0
		29-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	88,000	110.0	25.0 U	1000.0	3.0 U	32,000	999.0	0.2 U	1610.0	7,040	5.0 U	10.0 U	601,000	50 U	52.0
18MCAS02-8	630	8-Feb-89	NA	46.0		5.2	89.0	0.1 U	170,000	140.0	8.6	3500.0	2.8	50,000	1600.0			9,700	5.0 U	0.1 U	345,000		85.0
		10-Oct-89	NA	47.0		5.0 U	60.0	0.2	93,000	48.0	2.8	9.2	1.0 U	24,000	1700.0			7,000	7.3	0.6	404,000		114.0
		18-May-90	NA						64,000					18,000				6,700			437,000		
		5-Apr-91	NA	1.0 U		5.0 U	59.0	3.6	113,000	17.0	20.0	216.0	1.0 U	21,000	1600.0			6,300	5.7	1.0 U	416,000		91.0
		9-Jul-91	NA	1.0 U		5.0 U	80.0	1.0 U	78,000	1.0 U	12.0	1500.0	1.0 U	20,000	1400.0			5,700	5.0 U	1.0 U	399,000		160.0
		~~17-Sep-92~~	F						44,000					14,000				4,900			455,000		
		8-Nov-93	F	19.2 B	12.8 U	4.8 B	52.3 B	1.3 B	46,800	2.2 U	1.3 U	4140.0	0.3 U	15,000	1100.0	0.1 U	735.0	4,700 B	3.0 U	1.8 U	413,000	1.4 U	15.4 B
		29-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	52,000	10.0 U	25.0 U	2550.0	3.0 U	17,000	1260.0	0.2 U	1310.0	6,200	5.0 U	10.0 U	501,000	50 U	32.0
		29-Jan-96	UF	1400.0	60.0 U	12.0	200.0 U	5.0 U	50,000	150.0	28.0	4680.0	7.0	18,000	1260.0	0.2 U	1390.0	6,480	5.0 U	10.0 U	508,000	50 U	66.0
18MCAS03-1	95	30-Jan-89	NA	17.0		12.0	121.0	0.1 U	244,000	1.8	19.0	31.0	1.0 U	68,000	38.0			4,300	12.0	0.1 U	283,000		65.0
		10-Oct-89	NA	19.0		5.5	88.0	0.3	282,000	23.0	2.6	0.4	1.0 U	76,000	70.0			3,600	5.0 U	0.6	300,000		94.0
		17-May-90	NA						282,000					95,000				4,100			289,000		
		9-Nov-90	NA						256,000					59,000				3,000			267,000		
		4-Apr-91	NA	1.3		6.9	30.0	8.0	337,000	24.0	26.0	9.8	1.0 U	73,000	11.0			3,800	50.0	1.0 U	300,000		50.0 U
		18-Jul-91	NA	1.0 U		5.0 U	34.0	1.0 U	285,000	1.0 U	18.0	7.7	1.0 U	72,000	21.0			3,700	33.0	1.0 U	284,000		50.0 U
		~~15-Sep-92~~	F						324,000					85,000				3,700			288,000		
		22-Nov-93	F	53.1 B	13.8 B	2.0 B	30.0 B	1.3 U	232,000	4.3 B	1.3 U	90.6 B	0.4 B	61,600	56.5	0.1 U	725.0	3,200 B	57.6 S	1.8 U	235,000	16.4 B	6.4 B
		22-Nov-93	F	47.6 B	19.7 B	2.0 BW	30.2 B	1.3 U	230,000	2.2 U	1.3 U	22.9 B	0.3 U	61,500	56.5	0.1 U	729.0	3,030 B	58.6 S	1.8 U	236,000	17.0 B	6.6 B
		6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	228,000	18.0	25.0 U	580.0	3.0 U	64,000	639.0	0.2 U	3280.0	3,390 J	34.0	10.0 U	307,000	50 U	28.0
		6-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	231,000	45.0	25.0 U	420.0	3.0 U	66,000	98.0	0.2 U	500.0	3,590 J	38.0	10.0 U	312,000	50 U	23.0
18MCAS03-2	170	30-Jan-89	NA	18.0		6.4	116.0	0.1 U	217,000	3.0	6.9	15.0	1.0 U	70,000	5.2			4,300	7.4	0.1 U	142,000		50.0 U
		10-Oct-89	NA	278.0		5.0 U	133.0	1.2	235,000	8.6	19.0	2310.0	2.9	70,000	136.0			3,300	5.0 U	0.3	132,000		271.0
		17-May-90	NA						241,000					82,000				3,900			153,000		
		9-Nov-90	NA						245,000					60,000				3,800			132,000		
		4-Apr-91	NA	1.0 U		5.9	42.0	7.7	270,000	19.0	15.0	25.0	1.0 U	64,000	50.0			4,000	38.0	1.0 U	129,000		50.0 U
		18-Jul-91	NA	1.0 U		5.0 U	48.0	1.0 U	228,000	1.0 U	9.1	7.0	1.0 U	58,000	95.0			3,900	32.0	1.0 U	127,000		50.0 U
		~~15-Sep-92~~	F						265,000					72,000				3,800			131,000		
		19-Nov-93	F	82.0 B	15.1 B	0.7 U	43.2 B	1.3 U	218,000	2.2 U	1.3 U	56.4 B	0.3 U	61,400	119.0	0.1 U	1430.0	3,500 B	56.8 S	1.8 U	118,000	8.1 B	11.5 B
		6-Feb-95	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	215,000	10.0 U	25.0 U	100.0 U	3.0 U	62,000	303.0	0.2 U	3880.0	3,430 J	47.0	10.0 U	117,000	50 U	37.0
		6-Feb-95	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	221,000	150.0	25.0 U	3150.0	3.0 U	64,000	290.0	0.2 U	4050.0	3,530 J	47.0	10.0 U	122,000	50 U	50.0

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0	5.0		50.0	1000.0	300.0	15.0		50.0	2.0	100.0		50.0	50.0			5000.0
18MCAS03-3	230	30-Jan-89	NA	11.0		5.4	130.0	0.1 U	98,000	5.3	10.0	27.0	1.0 U	24,000	13.0			2,600	5.0 U	0.1 U	128,000		50.0 U
		9-Oct-89	NA	58.0		5.2	125.0	0.4	98,000	18.0	5.3	100.0	1.0 U	24,000	5.7			1,800	43.0	0.1	126,000		62.0
		17-May-90	NA						100,000					23,000				2,400			121,000		
		9-Nov-90	NA						103,000					23,000				2,800			122,000		
		4-Apr-91	NA	9.3		6.9	50.0	3.2	108,000	9.1	19.0	18.0	1.0 U	22,000	1.0 U			2,800	8.4	1.0 U	117,000		50.0 U
		18-Jul-91	NA	6.9		5.0 U	62.0	1.0 U	101,000	4.0	13.0	4.1	1.0 U	19,000	3.6			2,900	5.0 U	1.0 U	121,000		50.0 U
		~~15-Sep-92~~	F						95,000					24,000				2,600			124,000		
		19-Nov-93	F	19.2 U	12.8 U	3.4 B	70.5 B	1.3 U	95,500	2.2 U	1.3 U	24.3 B	0.3 U	23,500	13.3 B	0.1 U	104.0	2,530 B	7.5	1.8 U	115,000	20.7 B	6.5 B
		6-Feb-95	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	104,000	10.0 U	25.0 U	100.0 U	3.0 U	26,000	27.0	0.2 U	120.0	2,860 J	5.0 U	10.0 U	116,000	50 U	20.0 U
		6-Feb-95	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	106,000	19.0	25.0 U	146.0	3.0 U	27,000	38.0	0.2 U	120.0	2,870 J	5.0 U	10.0 U	117,000	50 U	37.0
18MCAS03-4	350	30-Jan-89	NA	27.0		6.4	89.0	0.1 U	82,000	2.2	11.0	17.0	1.0 U	24,000	11.0			2,900	5.0 U	0.1 U	95,000		50.0 U
		9-Oct-89	NA	244.0		5.6	83.0	0.4	85,000	18.0	4.0	814.0	1.0 U	24,000	26.0			1,800	11.0	0.2	98,000		73.0
		17-May-90	NA						118,000					27,000				4,900			68,000		
		4-Apr-91	NA	9.9		6.0	26.0	3.4	97,000	7.7	33.0	97.0	1.0 U	23,000	15.0			3,100	5.4	1.0 U	89,000		50.0 U
		18-Jul-91	NA	5.3		5.2	29.0	1.0 U	91,000	1.3	13.0	18.0	1.0 U	20,000	28.0			3,100	5.0 U	1.0 U	93,000		50.0 U
		~~15-Sep-92~~	F						87,000					26,000				2,800			90,000		
		18-Nov-93	F	19.2 U	13.7 B	2.1 B	35.9 B	1.3 U	85,800	2.2 U	1.3 U	31.1 B	0.3 U	25,700	13.0 B	0.1 U	334.0	2,680 B	7.4 S	1.8 U	89,400	18.4 B	5.4 B
		6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	89,000	10.0 U	25.0 U	100.0 U	3.0 U	27,000	15.0 U	0.2 U	440.0	2,680 J	5.0 U	10.0 U	85,000	50 U	20.0 U
		6-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	89,000	21.0	25.0 U	260.0	3.0 U	27,000	16.0	0.2 U	450.0	2,700 J	5.0 U	10.0 U	86,000	50 U	20.0 U
18MCAS03-5	430	30-Jan-89	NA	14.0		6.1	67.0	0.1 U	78,000	1.0 U	11.0	28.0	1.0 U	22,000	12.0			3,100	5.0 U	0.1 U	114,000		50.0 U
		9-Oct-89	NA	51.0		5.0 U	79.0	0.4	102,000	15.0	4.7	1000.0	1.0 U	28,000	82.0			2,100	5.4	0.3	108,000		83.0
		17-May-90	NA						92,000					24,000				2,700			87,000		
		4-Apr-91	NA	1.0 U		6.0	27.0	3.5	102,000	7.9	16.0	1.0 U	1.0 U	25,000	25.0			3,500	7.8	1.0 U	96,000		50.0 U
		18-Jul-91	NA	1.0 U		6.9	28.0	1.0 U	86,000	1.0 U	14.0	3.1	1.0 U	20,000	26.0			3,300	5.0 U	1.0 U	96,000		50.0 U
		~~15-Sep-92~~	F						78,000					24,000				3,000			87,000		
		18-Nov-93	F	23.0 B	12.8 U	3.0 B	31.2 B	1.3 U	78,200	2.2 U	1.3 U	45.4 B	0.6 B	23,700	4.6 B	0.1 U	62.8	2,810 B	7.3 S	1.8 U	88,900	19.5 B	5.4 B
		6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	81,000	10.0 U	25.0 U	100.0 U	3.0 U	25,000	15.0 U	0.2 U	89.0	2,690 J	5.0 U	10.0 U	84,000	50 U	20.0 U
		6-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	82,000	10.0 U	25.0 U	100.0 U	3.0 U	25,000	22.0	0.2 U	78.0	2,730 J	5.0 U	10.0 U	84,000	50 U	20.0 U
18MCAS03-6	500	30-Jan-89	NA	18.0		5.2	70.0	0.1 U	92,000	4.4	5.2	130.0	1.0 U	24,000	15.0			2,600	5.0 U	0.1 U	135,000		60.0
		9-Oct-89	NA	38.0		7.1	61.0	0.5	92,000	2.5	11.0	3380.0	1.0 U	23,000	67.0			1,800	7.4	0.2	132,000		94.0
		17-May-90	NA						104,000					23,000				2,700			140,000		
		4-Apr-91	NA	41.0		5.0 U	59.0	6.2	111,000	11.0	25.0	2700.0	1.0 U	22,000	930.0			2,800	5.0 U		102,000		150.0
		18-Jul-91	NA	1.0 U		5.0 U	47.0	1.0 U	83,000	3.5	14.0	68.0	1.0 U	19,000	1400.0			2,700	5.0 U	1.0 U	106,000		340.0
		~~15-Sep-92~~	F						88,000					21,000				2,900		1.0 U	113,000		
		17-Nov-93	F	19.2 U	12.8 U	0.7 U	32.2 B	1.3 U	70,100	73.2	4.3 B	3580.0	0.4 B	18,700	939.0	0.1 U	5200.0	2,430 B	1.2 B	1.8 U	109,000	2.0 B	12.3 B
		6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	69,000	329.0	25.0 U	17100.0	3.0 U	19,000	1370.0	0.2 U	7180.0 U	2,490 J	5.0 U	10.0 U	108,000	50 U	81.0
		6-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	67,000	774.0	25.0 U	17300.0	3.0	19,000	1370.0	0.2 U	6980.0	2,510 J	5.0 U	10.0 U	106,000	50 U	72.0
18_MCAS04	238	23-Oct-89	NA	49.0		14.0	66.0	0.2	106,000	23.0	5.5	820.0	1.0 U	20,000	146.0			100 U	5.0 U	0.6	142,000		150.0
		23-Feb-90	NA	1.0 U		5.0 U	45.0	0.1 U	94,000	1.0 U	1.0 U	21.0	1.0 U	27,000	81.0			2,000	5.0 U	0.2	129,000		50.0 U
		6-Jul-90	NA	1.0 U		5.0 U	47.0	1.0 U	108,000	1.0 U	1.0 U	47.0	1.0 U	28,000	36.0			2,300	5.0 U	1.6	146,000		50.0 U
		2-Feb-91	NA	780.0		5.0 U	36.0	4.0	112,000	12.0	32.0	2000.0	1.0 U	29,000	30.0			2,800	5.0 U	1.0	142,000		50.0 U
		~~10-Jul-92~~	F						112,000					28,000				2,600			147,000		
		4-Aug-93	F	46.3 B	20.6 B	2.6 B	46.8 B	0.7 B	110,000	2.8 U	2.7 B	58.0 B	0.5 U	28,500	2.5 B	0.1 U	7.5 U	2,800 B	4.1 B	1.8 U	140,000	11.6 B	4.1 B
		9-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	125,000	10.0 U	25.0 U	450.0	3.0 U	33,000	180.0	0.2 U	40.0 U	2,920 J	5.0 U	10.0 U	157,000	50 U	65.0
		9-Feb-96	UF	520.0	60.0 U	10.0 U	200.0 U	5.0 U	132,000	10.0 U	25.0 U	1100.0	3.0 U	35,000	190.0	0.2 U	40.0 U	3,270 J	5.0 U	10.0 U	166,000	50 U	90.0
18_MCAS05	148	19-Oct-89	NA	45.0		5.0 U	120.0	0.3	108,000	4.6	2.7	100.0	1.6	17,000	81.0			600	6.9	0.1	157,000		52.0
		7-Mar-90	NA	1.0 U		5.0 U	50.0	0.1	61,000	2.6	1.0 U	310.0	1.2	21,000	120.0			1,800	5.0 U	0.5 U	147,000		50.0 U
		23-Jul-90	NA	28.0		5.0 U	72.0	1.0 U	90,000	3.2	1.0 U	870.0	1.0 U	39,000	81.0			2,600	5.0 U	1.0 U	157,000		71.0
		15-Feb-91	NA	35.0		5.0 U	38.0	3.5	112,000	25.0	13.0	790.0	1.0 U	34,000	56.0			2,300	6.0	1.0 U	153,000		950.0
		31-Jul-92	F	47.0 B	9.6 B	0.6 U	63.8 BE	1.4 U	105,000			499.0		36,000		0.1 U	7.1 U	2,400			159,000	3.6 B	
		16-Jun-93	F	48.6 B	14.8 B	0.7 B	64.4 BE	0.3	111,000	2.9 U	0.7 U	512.0	0.4 U	34,400	57.4			2,640 B	7.0 U	1.2 U	145,000	5.1 B	10.1 B
		~~16-Jun-93~~	F											34,500	57.8			2,670 B	9.8 B		146,000		12.5 B
18_MCAS05A	148	9-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	93,000	10.0 U	25.0 U	1200.0	3.0 U	41,000	76.0	0.2 U	40.0 U	3,080 J	5.0 U	10.0 U	144,000	50.0 U	20.0 U
		9-Feb-96	UF	1400.0	60.0 U	10.0 U	200.0 U	5.0 U	96,000	10.0 U	25.0 U	4170.0	3.0 U	41,000	110.0	0.2 U	40.0 U	3,350 J	5.0 U	10.0 U	144,000	50.0 U	20.0 U
18_MCAS06	222	28-Oct-89	NA	100.0		12.0	172.0		94,000	2.1	56.0	102.0	1.0 U	10,000	264.0			100 U	5.0 U	0.5	120,000		50.0 U
		9-Mar-90	NA	38.0		9.2	140.0	0.1	100,000	2.2	11.0	860.0	1.0 U	16,000	220.0			3,800	5.0 U	0.4	112,000		50.0 U
		11-Jul-90	NA	20.0		5.0 U	20.0	0.2	96,000	3.1	1.0 U	400.0	1.0 U	19,000	73.0			2,900	5.0 U	1.0 U	125,000		50.0 U
		23-May-91	NA	1.0 U		5.0 U	56.0	3.8	90,000	12.0	23.0	380.0	1.0 U	22,000	22.0			2,700	5.0 U	1.0 U	113,000		50.0 U
		~~31-Jul-92~~	F						92,000					23,000				2,900			118,000		
		16-Jun-93	F	22.2 B	9.0 U	4.1 BW	57.5 B	1.4 U	94,000	4.4 B	0.7 U	18.3 B	0.4 U	23,000	1.4 B	0.1 U	10.4 B	3,070 B	2.3 BW	1.2 U	111,000	14.8 B	3.3 B
		9-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	96,000	10.0 U	25.0 U	490.0	3.0 U	25,000	83.0	0.2 U	40.0 U	2,840 J	5.0 U	10.0 U	119,000	50.0 U	20.0 U
		9-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	95,000	10.0 U	25.0 U	1300.0	3.0 U	25,000	86.0	0.2 U	40.0 U	3,020 J	5.0 U	10.0 U	123,000	50.0 U	20.0 U

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum 50.0	Antimony 6.0	Arsenic 50.0	Barium 1000.0	Cadmium 5.0	Calcium	Chromium 50.0	Copper 1000.0	Iron 300.0	Lead 15.0	Magnesium	Manganese 50.0	Mercury 2.0	Nickel 100.0	Potassium	Selenium 50.0	Silver 50.0	Sodium	Vanadium	Zinc 5000.0
18MCAS07-1	100	20-Jan-89	NA	18.0		6.2	92.0	0.1 U	346,000	1.0 U	6.4	29.0	1.0 U	97,000	0.6			3,100	5.1	3.6	224,000		50.0 U
		2-Aug-90	NA						415,000			25.0		67,000				2,600			270,000		
		16-Nov-90	NA						370,000					88,000				5,200			250,000		
		22-Mar-91	NA	6.5		5.0 U	39.0	8.9	350,000	32.0	64.0	6.2	1.0 U	87,000	3.9			3,700	11.0	1.0 U	245,000		50.0 U
		25-Jul-91	NA	1.0 U		5.0 U	44.0	1.8	382,000	1.0 U	20.0		2.1	80,000	1.0			3,900	32.0	1.0 U	258,000		120.0
		~~20-Oct-92~~	F						415,000			7.2 U		95,000				3,200			243,000		
		27-Oct-93	F	26.1 B	20.8 B	2.0 B	47.7 B	0.7 U	374,000	2.8 U	1.1 U	13.0 B	0.5 UW	91,400	2.2 B	0.1 U	7.5 U	3,390 B	32.0	1.8 U	266,000	18.6 B	11.2 B
		27-Oct-93	F	34.4 B	30.2 B	2.5 B	48.4 B		383,000					92,900	2.5 B		9.6 B	3,480 B	34.0		269,000	19.1 B	16.1 B
		9-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	334,000	10.0 U	25.0 U	100.0 U	3.0 U	83,000	15.0 U	0.2 U	40.0 U	4,370 J	24.0	10.0 U	240,000	50 U	98.0
		9-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	369,000	10.0 U	25.0 U	100.0 U	3.0 U	94,000	38.0	0.2 U	40.0 U	4,820 J	27.0	10.0 U	281,000	50 U	110.0
18MCAS07-2	200	20-Jan-89	NA	18.0		6.6	51.0	0.1 U	100,000	1.0 U	7.3	10.0	1.0 U	23,000	15.0			3,200	5.0 U	2.0	105,000		50.0 U
		2-Aug-90	NA						141,000					21,000				3,000			137,000		
		17-Nov-90	NA						94,000					19,000				2,500			91,000		
		22-Mar-91	NA	11.0		5.0 U	24.0	3.4	119,000	12.0	15.0	13.0	1.0 U	21,000	5.3			2,800	5.0 U	3.1	111,000		50.0 U
		26-Jul-91	NA	1.0 U	13.3 B	5.0 U	32.0	1.0 U	113,000	1.0 U	4.8	1.0 U	1.0 U	21,000	5.2			3,200	5.5	1.0 U	108,000		50.0 U
		~~20-Oct-92~~	F						92,000					21,000				2,600			94,000		
		21-Oct-93	F	37.6 B*	60.0 U	3.7 B	35.3 B	0.7 U	97,800	4.0 B	1.9 B	7.2 U	0.5 U	21,700	1.3 B	0.1 U	7.5 U	2,390 B	3.1 BW	1.8 U	94,700	25.7 B	16.6 B*
		9-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	116,000	10.0 U	25.0 U	100.0 U	3.0 U	27,000	58.0	0.2 U	40.0 U	3,130 J	5.0 U	10.0 U	104,000	50 U	37.0
		9-Feb-96	UF	289.0	60.0 U	10.0 U	200.0 U	5.0 U	130,000	10.0 U	25.0 U	270.0	3.0 U	30,000	38.0	0.2 U	40.0 U	3,540 J	5.0 U	10.0 U	120,000	50 U	150.0
18MCAS07-3	360	20-Jan-89	NA	9.2		7.2	59.0	0.1 U	65,000	1.0 U	5.0	6.4	1.0 U	17,000	107.0			3,800	5.0 U	2.0	119,000		50.0 U
		2-Aug-90	NA						112,000					17,000				2,900			132,000		
		17-Nov-90	NA						86,000					18,000				2,800			106,000		
		22-Mar-91	NA	1.0 U		5.0 U	28.0	3.4	97,000	7.9	11.0	1.0 U	1.0 U	19,000	96.0			3,000	5.0 U	1.0 U	117,000		65.0
		26-Jul-91	NA	1.0 U		5.0 U	44.0	1.0 U	86,000	1.0 U	15.0	20.0	1.0 U	20,000	110.0			3,200	5.0	1.0 U	107,000		50.0 U
		~~20-Oct-92~~	F						86,000					21,000				3,100			110,000		
		22-Oct-93	F	11.9 B*	16.5 B	5.2 B	56.5 B	0.7 U	88,800	2.8 U	1.2 B	7.2 U	0.5 U	21,200	115.0	0.1 U	10.6 B	3,060 B	3.4 BW	1.8 U	104,000	12.2 B	35.1 *
		9-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	108,000	10.0 U	25.0 U	100.0 U	3.0 U	27,000	100.0	0.2 U	40.0 U	5,280	5.0 U	10.0 U	117,000	50 U	28.0
		9-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	112,000	10.0 U	25.0 U	100.0 U	3.0 U	28,000	110.0	0.2 U	40.0 U	3,030 J	5.0 U	10.0 U	122,000	50 U	37.0
18MCAS07-4	450	19-Jan-89	NA	27.0		7.2	92.0	0.1 U	77,000	1.0 U	15.0	41.0	1.0 U	17,000	140.0			2,700	5.0 U	1.8	109,000		50.0 U
		2-Aug-90	NA						185,000					28,000				4,200			167,000		
		17-Nov-90	NA						112,000					28,000				3,600			124,000		
		22-Mar-91	NA	13.0		15.0	33.0	3.9	107,000	8.0	11.0	17.0	1.0 U	20,000	140.0			3,400	5.0 U	1.0 U	127,000		50.0 U
		26-Jul-91	NA	1.0 U		12.0	41.0	1.0 U	95,000	1.0 U	3.4	7.1	1.0 U	18,000	160.0			3,700	5.0 U	1.0 U	122,000		50.0 U
		~~20-Oct-92~~	F						85,000					19,000				3,300			116,000		
		25-Oct-93	F	17.9 B	12.7 U	37.3	63.2 B	0.7 U	88,300	2.8 U	1.1 U	23.0 B	0.5 U	19,200	290.0	0.1 B	7.5 U	3,390 B	0.7 U	1.8 U	108,000	2.2 B	14.7 B
		8-Feb-96	F	200.0 U	60.0 U	11.0	200.0 U	5.0 U	98,000	10.0 U	25.0 U	100.0 U	3.0 U	24,000	170.0	0.2 U	40.0 U	3,730 J	5.0 U	10.0 U	130,000	50 U	33.0
		8-Feb-96	UF	200.0 U	60.0 U	11.0	200.0 U	5.0 U	97,000	10.0 U	25.0 U	100.0 U	3.0 U	24,000	180.0	0.2 U	40.0 U	3,500 J	5.0 U	10.0 U	133,000	50 U	95.0
18MCAS07-5	520	18-Jan-89	NA	41.0		11.0	89.0	0.1 U	123,000	1.0 U	27.0	554.0	1.0 U	42,000	204.0			10,000	5.0 U	3.6	394,000		228.0
		2-Aug-90	NA						376,000					72,000				3,700			289,000		
		17-Nov-90	NA						380,000					86,000				4,600			260,000		
		22-Mar-91	NA	1.0 U		5.0 U	43.0	9.2	442,000	27.0	11.0	1.0 U	1.0 U	85,000	220.0			4,800	5.0 U	1.0 U	262,000		150.0
		26-Jul-91	NA	1.0 U		5.0 U	56.0	1.0	399,000	1.0 U	16.0	33.0	1.0 U	90,000	470.0			5,500	5.0 U	1.0 U	257,000		52.0
		~~20-Oct-92~~	F						374,000					94,000				5,600			261,000		
		26-Oct-93	F	29.9 B	21.8 B	1.7 BW	46.6 B	0.7 U	352,000	2.8 U	1.1 U	1220.0	0.5 UW	85,200	835.0	0.1 U	25.3 B	5,370	3.5 U	1.8 U	219,000	4.4 B	38.0
		8-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	281,000	10.0 U	25.0 U	125.0	3.0 U	76,000	340.0	0.2 U	100.0	5,840	5.0 U	10.0 U	276,000	50 U	56.0
		8-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	273,000	10.0 U	25.0 U	136.0	3.0 U	72,000	328.0	0.2 U	96.0	4,850 J	5.0 U	10.0 U	243,000	50 U	110.0
18MCAS07-6	810	19-Jan-89	NA	69.0		10.0	117.0	0.1 U	124,000	1.0 U	7.1	282.0	1.0 U	34,000	543.0			12,000	5.0 U	3.6	530,000		65.0
		2-Aug-90	NA						410,000					69,000				4,200			287,000		
		17-Nov-90	NA						346,000					78,000				5,800			254,000		
		22-Mar-91	NA	20.0		5.0 U	48.0	7.0	402,000	27.0	21.0	68.0	1.0 U	84,000	510.0			7,000	5.0 U	1.0 U	257,000		83.0
		26-Jul-91	NA	1.0 U		5.0 U	50.0	1.3	337,000	1.0 U	9.5	130.0	1.0 U	82,000	690.0			7,300	5.0 U	1.0 U	270,000		77.0
		28-Oct-93	F	21.8 B	27.0 B	0.6 BW	40.1 B	0.7 U	233,000	2.8 U	1.1 U	1850.0	0.5 U	58,600	402.0	0.1 U	7.5 U	5,860	3.5 U	1.8 U	215,000	5.8 B	4.8 B
		8-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	279,000	10.0 U	25.0 U	100.0 U	3.0 U	78,000	355.0	0.2 U	40.0 U	7,220	5.0 U	10.0 U	261,000	50 U	94.0
		8-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	280,000	10.0 U	25.0 U	100.0 U	3.0 U	79,000	355.0	0.2 U	40.0 U	6,210	5.0 U	10.0 U	266,000	50 U	160.0

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum 50.0	Antimony 6.0	Arsenic 50.0	Barium 1000.0	Cadmium 5.0	Calcium	Chromium 50.0	Copper 1000.0	Iron 300.0	Lead 15.0	Magnesium	Manganese 50.0	Mercury 2.0	Nickel 100.0	Potassium	Selenium 50.0	Silver 50.0	Sodium	Vanadium	Zinc 5000.0
18MCAS07-7	920	19-Jan-89	NA	87.0		12.0	66.0	0.1 U	62,000	2.6	16.0	210.0	1.0 U	18,000	186.0			9,600	5.0 U	3.0	416,000		50.0 U
		2-Aug-90	NA						458,000					75,000				4,300			315,000		
		16-Nov-90	NA						360,000					88,000				5,800			261,000		
		25-Mar-91	NA	1.0 U		5.0 U	44.0	8.9	331,000	26.0	17.0	1.0 U	1.0 U	86,000	220.0			6,600	7.8	1.0 U	260,000		210.0
		26-Jul-91	NA	1.0 U		5.0 U	53.0	1.1	409,000	1.0 U	11.0	15.0	1.0 U	86,000	280.0			8,200	5.0 U	1.0 U	304,000		210.0
		~~22-Sep-92~~	F						371,000					88,000				7,200			274,000		
		29-Oct-93	F	13.5 B	22.3 B	1.8 BW	45.7 B	0.7 U	337,000	2.8 U	1.1 U	878.0	0.5 U	86,000	494.0	0.1 B	27.9 B	5,860	3.5 U	1.8 U	259,000	4.3 B	25.8
		8-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	208,000	10.0 U	25.0 U	100.0 U	3.0 U	59,000	230.0	0.2 U	77.0	6,920	5.0 U	10.0 U	193,000	50 U	4160.0
		8-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	301,000	10.0 U	25.0 U	100.0 U	3.0 U	85,000	388.0	0.2 U	98.0	6,930	5.0 U	10.0 U	284,000	50 U	150.0
18MCAS07-8	990	19-Jan-89	NA	95.0		8.0	90.0	0.1 U	141,000	1.0 U	22.0	2160.0	1.0 U	38,000	850.0			12,000	5.0 U	3.8	495,000		50.0 U
		2-Aug-90	NA						428,000					68,000				4,300			301,000		
		16-Nov-90	NA						340,000					73,000				5,500			340,000		
		25-Mar-91	NA	1.0 U		5.0 U	49.0	7.3	262,000	23.0	13.0	480.0	1.0 U	61,000	750.0			5,400	5.0 U	1.0 U	236,000		150.0
		25-Jul-91	NA	1.0 U		5.0 U	58.0	1.0 U	278,000	1.0 U	12.0	520.0	1.0 U	59,000	820.0			6,500	5.0 U	1.0 U	260,000		78.0
		~~22-Sep-92~~	F						232,000					47,000				6,700			340,000		
		1-Nov-93	F	33.7 B	18.5 B	0.5 U	82.8 B	1.3 U	124,000	48.9	1.3 U	204.0	0.5 U	27,700	651.0	0.1 U	9.1 U	4,010 B	3.5 U	1.8 U	274,000	6.2 B	3.9 U
		8-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	308,000	10.0 U	25.0 U	710.0	3.0 U	81,000	1300.0	0.2 U	670.0	9,260	5.0 U	10.0 U	332,000	50 U	100.0
		8-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	318,000	10.0 U	25.0 U	810.0	3.0 U	83,000	1340.0	0.2 U	690.0	9,560	5.0 U	10.0 U	348,000	50 U	120.0
18MCAS07-9	1110	18-Jan-89	NA	120.0		12.0	113.0	0.1 U	196,000	5.4	13.0	3260.0	1.0 U	44,000	863.0			12,000	5.0 U	3.9	401,000		50.0 U
		2-Aug-90	NA						156,000					19,000				4,700			97,000		
		16-Nov-90	NA						370,000					90,000				4,000			280,000		
		25-Mar-91	NA	1.0 U		5.0 U	38.0	9.8	440,000	28.0	15.0	7.1	1.0 U	92,000	620.0			4,600	6.5	1.0 U	269,000		350.0
		25-Jul-91	NA	1.0 U		5.0 U	55.0	1.0 U	398,000	1.0 U	18.0	9600.0	1.0 U	77,000	1100.0			4,400	5.0 U	1.0 U	296,000		50.0 U
		~~22-Sep-92~~	F						215,000					41,000				4,900			331,000		
		2-Nov-93	F	21.5 B	12.8 U	0.5 U	80.7 B	1.3 U	126,000	29.1	1.3 U	517.0	0.5 U	28,300	651.0	0.1 U	9.1 U	4,020 B	3.5 U	1.8 U	283,000	3.6 B	4.2 B
		25-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	245,000	10.0 U	25.0 U	270.0	6.0	53,000	1070.0	0.2 U	330.0	7,140	5.0 U	10.0 U	372,000	50.0	230.0
		25-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	249,000	10.0 U	25.0 U	300.0	5.0	54,000	1100.0	0.2 U	340.0	7,250	5.0 U	10.0 U	378,000	50 U	290.0
18_MCAS08	410	6-Feb-90	NA	1.0 U		5.0 U	263.0	0.1 U	27,000	6.6	1.0 U	1282.0	1.0 U	5,400	60.0			2,400	5.0 U	0.9	296,000		50.0 U
		2-Dec-90	NA	1.0 U		5.0 U	160.0	1.0 U	27,000	1.0 U	14.0	30.0	1.0 U	4,700	50.0			2,500	5.0 U	5.0 U	302,000		50.0 U
		22-May-91	NA	1.0 U		5.0 U	180.0	1.0 U	28,000	1.0 U	9.6	62.0	1.0 U	4,400	50.0			2,400	5.0 U	1.6	294,000		50.0 U
		5-Nov-91	NA						24,000					4,400				2,500			302,000		
		~~10-Jul-92~~	F						29,000					5,700				2,700			315,000		
		5-Aug-93	F	15.9 B	12.7 U	0.7 B	227.0	1.1 B	27,300	2.8 U	1.1 U	358.0	0.5 U	5,750	57.1	0.1 UN	7.5 U	2,740 B	3.5 U	1.8 U	295,000	1.8 U	6.1 B
		1-Feb-96	F	200.0 U	60.0 U	10.0 U	272.0	5.0 U	32,000	10.0 U	25.0 U	670.0	4.0	6,520	75.0	0.2 U	40.0 U	3,120 J	103.0	10.0 U	324,000	50.0	20.0 U
		1-Feb-96	UF	200.0 U	60.0 U	10.0 U	267.0	5.0 U	33,000	10.0 U	25.0 U	1100.0	3.0 U	6,290	70.0	0.2 U	40.0 U	3,150 J	103.0	10.0 U	313,000	50 U	20.0 U
18_MCAS09	445	27-Oct-89	NA	48.0		6.7	76.0	0.2	53,000	4.0	3.5	113.0	1.0 U	7,600	238.0			100 U	5.0 U	0.4	78,000		52.0
		12-Feb-90	NA	1.0 U		5.0 U	46.0	0.4	52,000	153.0	1.0 U	1180.0	1.0 U	14,000	80.0			2,200	5.0 U	0.1	80,000		50.0 U
		13-Jul-90	NA	29.0		5.0 U	46.0	0.7	62,000	2.0	1.0 U	1400.0	1.0 U	14,000	64.0			2,500	5.0 U	1.0 U	80,000		50.0 U
		18-Mar-91	NA	21.0		5.0 U	31.0	2.9	73,000	15.0	16.0	1.3	1.0 U	15,000	37.0			2,800	5.4	1.0 U	89,000		340.0
		7-Dec-91	NA	6.3		6.9	46.0	4.2	67,000	1.6	5.2	130.0	1.0 U	18,000	29.0			2,800	5.0 U	1.0 U	84,000		50.0 U
		~~8-May-92~~	F						72,000					17,000				2,800			87,000		
		5-Nov-93	F	19.2 U	12.8 U	4.0 B	43.6 B	1.3 U	66,900	2.2 U	1.3 U	198.0	0.5 U	16,700	27.5	0.1 U	9.1 U	2,930 B	2.1 B	1.8 U	82,500	23.6 B	3.9 U
		5-Nov-93	F		17.1 B	4.3 B	44.0 B		67,600			225.0		16,800	28.4			3,060 B			83,000	25.4 B	5.0 B
		18-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	71,000	10.0 U	25.0 U	820.0	3.0 U	18,000	56.0	0.2 U	40.0 U	2,750 J	5.0 U	10.0 U	90,000	50 U	20.0 U
		16-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	72,000	10.0 U	25.0 U	850.0	3.0 U	19,000	57.0	0.2 U	40.0 U	2,870 J	5.0 U	10.0 U	90,000	50 U	20.0 U
18_MCAS10	375	31-Jan-90	NA	4.0 U		5.2	22.0	0.8	78,000	16.0	0.1 U	982.0	1.0 U	34,000	110.0			2,900	5.0 U	0.1 U	119,000		50.0 U
		20-Jul-90	NA	34.0		5.0 U	30.0	0.3	90,000	1.0 U	1.0 U	980.0	1.0 U	53,000	35.0			3,200	5.0 U	1.7	121,000		50.0 U
		3-Feb-91	NA	20.0		5.0 U	20.0	4.0	103,000	12.0	26.0	1100.0	1.0 U	43,000	48.0			3,300	1.0 U	1.0 U	126,000		50.0 U
		7-Dec-91	NA	19.0		8.4	27.0	4.1	97,000	2.8	10.0	98.0	1.0 U	41,000	34.0			3,400	5.0 U	1.0 U	120,000		50.0 U
		~~8-May-92~~	F						99,000					42,000				3,300			119,000		
		4-Nov-93	F	19.2 U	17.1 B	2.2 B	26.7 B	1.3 U	95,100	2.2 U	1.3 U	72.8 B	0.5 U	40,300	19.0	0.1 U	9.1 U	3,470 B	12.2 B	1.8 U	114,000	19.1 B	6.0 B
		19-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	89,000	10.0 U	25.0 U	350.0	3.0 U	39,000	85.0	0.2 U	40.0 U	2,790 J	5.0 U	10.0 U	112,000	50 U	20.0 U
		19-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	87,000	10.0 U	25.0 U	280.0	3.0 U	39,000	61.0	0.2 U	40.0 U	2,750 J	5.0 U	10.0 U	109,000	50 U	20.0 U
18_PS1	122	22-Jan-89	NA						380,000	2.9 U	15.0	1200.0		100,000	410.0			5,900			140,000		270.0
		2-Jul-93	F	18.6 B	30.4 B	2.7 BN	31.7 BE	1.4 U	242,000		0.7 U	8.2 U	0.4 U	66,400	1.3 B	0.1 U	7.1 U	3,000 B	78.0 N	1.2 U	122,000	16.7 B	8.8 B
		19-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	307,000	10.0 U	25.0 U	100.0 U	3.0 U	80,000	15.0 U	0.2 U	40.0 U	2,340 J	32.0	10.0 U	104,000	50 U	20.0 U
		19-Jan-96	UF	980.0	60.0 U	10.0 U	200.0 U	5.0 U	310,000	17.0	25.0 U	390.0	3.0 U	80,000	37.0	0.2 U	40.0 U	2,310 J	34.0	10.0 U	103,000	50 U	20.0 U

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum 50.0	Antimony 6.0	Arsenic 50.0	Barium 1000.0	Cadmium 5.0	Calcium	Chromium 50.0	Copper 1000.0	Iron 300.0	Lead 15.0	Magnesium	Manganese 50.0	Mercury 2.0	Nickel 100.0	Potassium	Selenium 50.0	Silver 50.0	Sodium	Vanadium	Zinc 5000.0
18_PS2	133	22-Jan-89	NA						560,000		15.0	640.0		230,000	180.0			5,400	260.0		260,000		80.0
		15-Dec-92	F	31.0 U	22.3 B	0.7 U	15.5 BE	1.2 U	337,000	3.7 U	0.9 U	2.3 U	0.6 UWN	134,000	1.1 B	0.1 B	7.7 U	2,930 B	138.0	2.1 U	212,000	17.7 B	2.9 B
		12-Jul-93	F	34.0 B	38.8 B	1.7 B	12.8 BE	1.4 U	293,000	2.9 U	0.7 U	8.2 U	0.4 U	113,000	0.6 B	0.1 U	7.1 U	2,740 B	109.0	1.2 U	194,000	19.8 B	6.2 B
		18-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	200,000	10.0 U	25.0 U	100.0 U	3.0 U	84,000	15.0 U	0.2 U	40.0 U	1,920 J	48.0	10.0 U	175,000	50 U	20.0 U
		18-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	218,000	10.0 U	25.0 U	100.0 U	3.0 U	86,000	15.0 U	0.2 U	40.0 U	1,950 J	50.0	10.0 U	177,000	50 U	33.0
18_PS3	122	23-Jan-89	NA						140,000		13.0	410.0		39,000	320.0			4,000			130,000		43.0
		10-Dec-92	F	31.0 U	12.1 U	1.6 B	134.0 B	1.2 U	103,000	3.7 U	7.7 B	38.5 B	1.5 B	27,900	2.4 B	0.1 U	7.7 U	2,130 B	4.1 B	2.1 U	151,000	28.4 B	8.8 B
		7-Jun-93	F	13.7 B	9.0 U	3.9 BWN	125.0 B	1.4 U	99,300	2.9 U	4.9 B	8.2 U	1.0 B	26,500	0.9 B	0.1 U	7.1 U	1,770 B	4.8 BWN	1.2 U	146,000	26.8 B	10.2 B
		22-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	110,000	10.0 U	25.0 U	100.0 U	4.0	30,000	15.0 U	0.2 U	40.0 U	2,990 J	5.0 U	10.0 U	114,000	50 U	20.0 U
		22-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	109,000	10.0 U	25.0 U	100.0 U	5.0	31,000	15.0 U	0.2 U	40.0 U	3,100 J	5.0 U	10.0 U	120,000	50 U	20.0 U
18_PS4	118	22-Jan-89	NA						160,000		9.0 U	380.0		42,000	440.0			3,400	10 U		150,000		33.0
		11-Dec-92	F	31.0 U	12.1 U	0.7 U	82.0 B	1.2 U	135,000	3.7 U	19.8 B	18.7 B	1.9 B	34,000	0.8 U	0.1 U	7.7 U	2,510 B	2.6 BW	2.1 U	138,000	20.8 B	21.7
		7-Jun-93	F	16.8 B	14.4 B	1.3 BWN	103.0 B	1.4 U	146,000	2.9 U	5.6 B	8.2 U	0.4 U	37,400	0.9 B	0.1 U	7.1 U	2,320 B	4.8 BN	1.2 U	166,000	21.2 B	9.7 B
		21-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	158,000	10.0 U	25.0 U	100.0 U	5.0	41,000	15.0 U	0.2 U	40.0 U	3,460 J	5.0 U	10.0 U	143,000	50 U	20.0 U
		21-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	160,000	10.0 U	25.0 U	100.0 U	6.0	41,000	15.0 U	0.2 U	40.0 U	3,470 J	5.0 U	10.0 U	144,000	50 U	20.0 U
18_PS5	126	23-Jan-89	NA						240,000		10.0	250.0		69,000	71.0			3,200	11.0		90,000		110.0
		16-Dec-92	F	31.0 U	16.0 B	0.7 UW	41.2 B	1.2 B	218,000	3.7 U	0.9 U	19.1 B	0.6 U	54,700	0.8 U	0.1 U	7.7 U	1,950 B	23.2 BW	2.1 U	77,900	17.5 B	2.2 U
		8-Jun-93	F	18.1 B	14.2 B	0.8 UWN	41.2 B	1.4 U	221,000	2.9 U	0.7 U	8.2 U	0.4 U	55,400	1.2 B	0.1 U	7.1 U	1,860 B	8.6 BN	1.2 U	79,200	18.4 B	12.4 B
		22-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	218,000	10.0 U	25.0 U	100.0 U	3.0 U	55,000	15.0 U	0.2 U	40.0 U	1,890 J	7.0	10.0 U	80,000	50 U	20.0 U
		22-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	227,000	10.0 U	25.0 U	100.0 U	3.0 U	57,000	15.0 U	0.2 U	40.0 U	1,920 J	7.0	10.0 U	82,000	50 U	20.0 U
18_PS6	150	23-Jan-89	NA						180,000		19.0	720.0		62,000	290.0			5,000	42.0		160,000		22.0
		15-Dec-92	F	31.0 U	12.1 U	0.7 U	31.8 B	1.2 U	250,000	3.7 U	0.9 U	2.3 U	0.6 U	67,000	1.0 B	0.1 U	7.7 U	2,790 B	138.0	2.1 U	137,000	19.3 B	2.2 U
		15-Dec-92	F	31.0 U	19.9 B	0.7 U	31.6 B	1.2 U	251,000	3.7 U	0.9 U	7.6 B	0.6 U	67,000	1.3 B	0.1 U	7.7 U	2,790 B	114.0	2.1 U	136,000	18.9 B	2.2 U
		26-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	206,000	10.0 U	25.0 U	100.0 U	4.0	56,000	15.0 U	0.2 U	40.0 U	2,320 J	51.0	10.0 U	120,000	50 U	20.0 U
		26-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	205,000	13.0	25.0 U	350.0	7.0	56,000	15.0 U	0.2 U	40.0 U	2,340 J	53.0		119,000	50 U	20.0 U
18_PS7	126	23-Jan-89	NA						74,000		10.0	150.0		23,000	71.0			4,400	10.0		100,000		17.0
		16-Dec-92	F	31.0 U	13.0 B	3.9 B	62.6 B	1.2 U	74,800	3.7 U	0.9 U	2.3 U	0.6 U	19,700	0.8 U	0.1 U	7.7 U	1,680 B	34.7 B	2.1 U	142,000	26.8 B	2.2 U
		2-Jul-93	F	12.8 B	12.6 B	4.1 BN	66.9 BE	1.4 U	65,900	2.9 U	1.1 B	8.2 U	0.4 U	17,900	0.7 B	0.1 U	7.1 U	1,830 B	1.5 BWN	1.2 U	117,000	25.8 B	13.2 B
		22-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	87,000	10.0 U	25.0 U	100.0 U	3.0 U	23,000	15.0 U	0.2 U	40.0 U	1,450 J	5.0 U	10.0 U	151,000	50 U	20.0 U
		22-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	89,000	10.0 U	25.0 U	100.0 U	3.0 U	23,000	15.0 U	0.2 U	40.0 U	1,460 J	5.0 U	10.0 U	150,000	50 U	20.0 U
18_PS8	145	23-Jan-89	NA						140,000		9.0 U	810.0		48,000	670.0			7,000	6.0		100,000		130.0
		14-Dec-92	F	31.0 U	21.4 B	0.7 U	44.7 B	1.2 U	126,000	3.7 U	0.9 U	2.9 B	0.6 U	33,500	0.8 U	0.1 U	7.7 U	2,060 B	8.7 S	2.6 B	109,000	18.3 B	4.6 B
		6-Jul-93	F	32.7 B	28.2 B	2.0 B	44.5 B	1.4 U	123,000	2.9 U	2.6 B	16.5 B	0.4 U	35,300	0.8 B	0.1 U	7.1 U	2,210 B	7.3 SN	1.2 U	102,000	17.2 B	3.7 B
		26-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	121,000	10.0 U	25.0 U	100.0 U	3.0 U	33,000	15.0 U	0.2 U	40.0 U	1,790 J	11.0	10.0 U	120,000	50 U	20.0 U
		26-Jan-96	UF	23.0 J	60.0 U	10.0 U	200.0 U	5.0 U	122,000	10.0 U	25.0 U	100.0 U	3.0 U	33,000	15.0 U	0.2 U	40.0 U	1,790 J	13.0	10.0 U	120,000	50 U	20.0 U
18_RW1	470	11-Sep-89	NA						94,000		50.0 U	1300.0		24,000	50.0 U			3,000			162,000		50.0 U
		14-Dec-92	F	43.2 B	10.7 U	1.3 B	34.3 B	3.0 U	89,800	3.3 B	2.3 U	55.3 B	1.4 U	22,400	30.7	0.1 B	5.3 U	2,680 B	2.2 BW	2.0 U	161,000	5.2 B	9.6 U
		15-Dec-92	F	46.0 B	13.5 B	1.0 U	33.1 B	3.0 U	88,900	2.9 U	2.3 U	80.2 B	1.4 U	22,300	29.3	0.1 U	5.3 U	2,460 B	2.1 U	2.0 U	162,000	3.1 B	9.6 U
		8-Jul-93	F	17.6 B	17.0 B	2.4 B	33.2 BE	1.4 U	89,700	2.9 U	1.4 B	32.8 B	0.4 U	20,300	17.3	0.1 U	7.1 U	2,700 B	3.5 U	1.2 U	158,000	6.3 B	2.3 B
		23-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	92,000	10.0 U	25.0 U	260.0	5.0	22,000	63.0	0.2 U	40.0 U	3,010 J	5.0	10.0 U	169,000	50 U	20.0 U
		23-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	92,000	10.0 U	25.0 U	6780.0	5.0	22,000	74.0	0.2 U	40.0 U	3,010 J	5.0 U	10.0 U	169,000	50 U	20.0 U
18_RW2	310	11-Sep-89	NA						85,000		50.0 U	5500.0		18,000	80.0			2,700			132,000		80.0
		22-Dec-92	F	39.4 U	18.7 B	3.0 B	40.3 B	3.0 U	82,000	3.0 B	2.3 U	93.5 B	1.4 U	16,100	17.0	0.5	5.3 U	2,560 B	19.3 S	2.0 U	112,000	9.7 B	9.6 U
		13-Jul-93	F	11.8 B	9.0 U	3.4 B	42.3 B	1.4 U	87,300	2.9 U	0.8 B	8.2 U	0.4 U	16,300	2.2 B	0.1 U	7.1 U	2,890 B	11.8 N	1.2 U	114,000	11.6 B	2.7 B
		24-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	91,000	10.0 U	25.0 U	270.0	3.0 U	16,000	29.0	0.2 U	40.0 U	2,310 J	11.0	10.0 U	109,000	50 U	20.0 U
		24-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	92,000	10.0 U	25.0 U	590.0	3.0 U	16,000	33.0	0.2 U	40.0 U	2,360 J	11.0	10.0 U	111,000	50 U	20.0 U
18_RW3	390	11-Sep-89	NA						72,000		50.0 U	820.0		18,000	60.0			3,400			182,000		50.0 U
		4-Jun-93	F	29.4 B	9.0 U	2.2 BWN	43.3 B	1.4 U	244,000	2.9 U	0.7 U	30.0 B	0.4 U	52,000	6.7 B	0.1 U	7.1 U	2,250 B	11.8 BW	1.2 U	194,000	18.1 B	8.0 B
		25-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	76,000	10.0 U	25.0 U	1100.0	4.0	19,000	91.0	0.2 U	40.0 U	2,560 J	6.0	10.0 U	174,000	50 U	20.0 U
		25-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	75,000	10.0 U	25.0 U	3330.0	4.0	18,000	110.0	0.2 U	40.0 U	2,550 J	5.0 U	10.0 U	170,000	50 U	20.0 U
18_RW4	65	11-Sep-89	NA						250,000		50.0 U	530.0		60,000	50.0 U			2,100			225,000		50.0 U
		7-Jun-93	F	16.2 B	9.0 U	1.8 BWN	25.6 B	1.4 U	58,600	2.9 U	0.7 U	221.0	0.4 U	16,100	35.0	0.1 U	7.1 U	2,840 B	3.5 UN	1.2 U	188,000	8.0 B	4.1 B
		26-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	229,000	10.0 U	25.0 U	100.0 U	5.0	50,000	15.0 U	0.2 U	40.0 U	1,690 J	10.0	10.0 U	212,000	50 U	20.0 U
		26-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	231,000	10.0 U	25.0 U	1800.0	5.0	49,000	34.0	0.2 U	40.0 U	1,750 J	7.0	10.0 U	211,000	50 U	20.0 U

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum 50.0	Antimony 6.0	Arsenic 50.0	Barium 1000.0	Cadmium 5.0	Calcium	Chromium 50.0	Copper 1000.0	Iron 300.0	Lead 15.0	Magnesium	Manganese 50.0	Mercury 2.0	Nickel 100.0	Potassium	Selenium 50.0	Silver 50.0	Sodium	Vanadium	Zinc 5000.0
19_DBMW54	181	18-Dec-92	F	67.4 B	13.2 B	1.0 B	26.5 B	2.1 B	102,000	3.7 U	1.2 B	4.5 B	0.6 U	31,300	8.7 B	0.1 U	40.8	2,510 B	36.6	2.2 B	71,100	13.8 B	31.3
		22-Jun-93	F	27.3 B	13.7 B	0.6 U	26.2 BE	1.4 U	104,000	5.0 B	3.0 B	35.1 B	0.4 U	33,100	11.8 B	0.1 U	283.0	2,590 B	18.0 BN*	1.2 U	78,700	10.2 B	18.4 B
		19-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	114,000	10.0 U	25.0 U	100.0 U	6.0	35,000	15.0 U	0.2 U	60.0	2,930 J	5.0 U	10.0 U	69,000	50 U	22.0
		19-Feb-96	UF	430.0	60.0 U	10.0 U	200.0 U	5.0 U	115,000	281.0	25.0 U	2730.0	10.0	35,000	49.0	0.2 U	96.0	3,060 J	5.0 U	10.0 U	69,000	50 U	66.0
19_DGMW85	183	16-Dec-92	F	31.0 U	20.2 B	0.7 B	26.5 B	3.6 B	113,000	5.2 B	2.1 B	71.5 B	0.6 U	35,500	73.7	0.1 U	167.0	3,630 B	21.6 S	2.2 B	83,700	9.9 B	2.2 U
		16-Dec-92	F	31.0 U	12.1 U	0.8 B	26.3 B	3.7 B	114,000	4.2 B	0.9 U	75.8 B	0.6 U	35,500	77.4	0.1 U	172.0	3,660 B	21.8 S	3.9 B	82,400	9.9 B	2.2 U
		10-Jun-93	F	18.7 B	9.0 U	0.8 U	27.8 BE	1.4 U	130,000	6.5 B	1.2 B	142.0	0.4 U	41,200	53.9	0.1 U	618.0	3,830 B	27.2 N	1.9 B	92,100	8.4 B	7.0 B
		19-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	134,000	10.0 U	25.0 U	100.0 U	5.0	45,000	19.0	0.2 U	680.0	3,130 J	5.0 U	10.0 U	95,000	50 U	65.0
		19-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	137,000	227.0	25.0 U	2150.0	7.0	46,000	35.0	0.2 U	880.0	3,330 J	11.0	10.0 U	97,000	50 U	94.0
19_DGMW86	198	17-Dec-92	F	31.0 U	19.4 B	1.0 B	37.9 B	2.5 B	112,000	5.0 B	0.9 U	6.8 B	0.6 U	38,100	152.0	0.1 U	116.0	4,240 B	22.2 S	2.8 B	74,500	8.1 B	20.4
		11-Jun-93	F	19.4 B	9.0 U	0.8 B	39.7 BE	1.4 U	144,000	2.9 U	0.7 B	20.5 B	0.4 U	44,800	36.0	0.1 U	210.0	3,730 B	28.2 N	1.2 U	65,600	5.8 B	4.9 B
		27-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	158,000	10.0 U	25.0 U	300.0	3.0 U	52,000	52.0	0.2 U	760.0	3,240 J	25.0	10.0 U	70,000	50 U	20.0 U
		27-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	156,000	130.0	25.0 U	4140.0	3.0 U	51,000	90.0	0.2 U	770.0	3,270 J	24.0	10.0 U	68,000	50 U	26.0
		27-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	141,000	11.0	25.0 U	210.0	3.0 U	49,000	20.0	0.2 U	730.0	3,790 J	19.0	10.0 U	75,000	50 U	17.0 J
		27-Feb-96	UF	910.0	60.0 U	10.0 U	200.0 U	5.0 U	145,000	85.0	25.0 U	2540.0	3.0 U	49,000	170.0	0.2 U	866.0	3,900 J	18.0	10.0 U	74,000	50 U	72.0
19_UGMW35	185	8-Dec-92	F	31.0 U	19.8 B	0.7 UW	21.2 B	3.4 B	94,900	4.0 B	1.2 B	73.0 B	0.6 U	28,800	65.0	0.1 U	176.0	3,110 B	16.0 BN*	2.1 U	54,000	10.1 B	125.0
		15-Jul-93	F	11.4 B	12.7 U	1.7 BWN	27.2 B	0.7 U	102,000	4.1 B	1.1 U	99.8 B	0.4 U	30,500	32.7	0.1 U	529.0	2,960 B	13.8 SN	1.8 U	59,700	9.4 B	37.9
		8-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	109,000	10.0 U	25.0 U	100.0 U	3.0 U	34,000	19.0	0.2 U	270.0	2,320 J	7.0	10.0 U	59,000	50 U	20.0 U
		8-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	114,000	160.0 U	25.0 U	1100.0	3.0 U	35,000	33.0	0.2 U	340.0	2,490 J	6.0	10.0 U	60,000	50 U	20.0 U
19_UGMW35 (D)	185	8-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	111,000	160.0	25.0 U	100.0 U	3.0 U	35,000	20.0	0.2 U	280.0	2,390 J	8.0	10.0 U	60,000	50 U	20.0 U
		8-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	113,000	212.0	25.0 U	1200.0	3.0 U	35,000	37.0	0.2 U	430.0	2,470 J	6.0	10.0 U	61,000	50 U	20.0 U
20_DBMW55	227	9-Dec-92	F	31.0 U	31.2 B	0.8 BW	25.9 B	1.4 B	275,000	3.7 U	0.9 U	2.3 U	0.6 U	128,000	65.0	0.1 U	28.2 B	5,910	65.8 N*	2.1 U	115,000	13.6 B	187.0
		17-Jun-93	F	52.4 B	41.8 B	2.2 B	29.0 B	1.4 U	248,000	2.9 U	4.1 B	146.0	0.4 U	116,000	20.3	0.1 U	41.2	7,570	59.8	1.5 B	154,000	11.0 B	35.4
		27-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	179,000	38.0	25.0 U	280.0	3.0 U	89,000	31.0	0.2 U	510.0	9,740	107.0	10.0 U	187,000	50 U	100.0
		27-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	174,000	372.0	25.0	3190.0	5.0	86,000	55.0	0.2 U	530.0	9,330	109.0	10.0 U	178,000	50 U	170.0
20_DGMW88	225	4-Nov-92	F	31.0 U	16.2 B	0.7 U	30.8 B	1.2 U	174,000	3.7 U	1.3 B	1.3 B	0.6 U	81,600	21.9	0.1 U	36.0 B	3,450 B	33.7 BW	2.1 U	76,200	10.5 B	10.5 B
		17-Jun-93	F	69.9 B	27.1 B	2.2 B	30.4 B	1.4 U	194,000	2.9 U	1.4 B	10.7 B	0.4 U	90,200	6.4 B	0.1 U	40.2	4,110 B	59.2	1.5 B	83,800	11.4 B	16.5 B
		1-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	298,000	10.0 U	25.0 U	184.0	3.0	151,000	53.0	0.2 U	510.0	4,740 J	108.0	10.0 U	144,000	50 U	20.0 U
		1-Feb-96	UF	207.0	60.0 U	10.0 U	200.0 U	5.0 U	321,000	1880.0 U	97.0	14900.0	3.0 U	163,000	170.0	0.2 U	690.0	5,750	98.0	10.0 U	162,000	50 U	37.0
20_DGMW88 (D)	225	1-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	301,000	10.0 U	25.0 U	137.0	3.0 U	158,000	54.0	0.2 U	560.0	5,950	107.0	10.0 U	161,000	50.0	20.0 U
		1-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	293,000	1800.0	94.0	14700.0	4.0	153,000	160.0	0.2 U	660.0	5,700	96.0	10.0 U	156,000	50 U	37.0
20_UGMW36	223	28-Oct-92	F	31.0 U	12.1 U	0.7 U	44.0 BE	1.2 U	208,000	3.7 U	0.9 U	52.4 B	0.6 U	98,200	64.2	0.1 U	73.2	4,660 B	85.9 N	2.1 U	134,000	6.0 B	45.1
		18-Jun-93	F	22.8 B	20.2 B	2.4 B	49.1 B	1.4 U	240,000	2.9 U	0.7 U	13.5 B	0.4 U	113,000	31.5	0.1 U	71.8	5,250	138.0	1.2 U	161,000	7.6 B	4.0 B
		5-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	254,000	10.0 U	25.0 U	100.0 U	3.0 U	127,000	17.0	0.2 U	260.0	4,450 J	84.0	10.0 U	146,000	50 U	20.0 U
		5-Feb-96	UF	255.0	60.0 U	10.0 U	200.0 U	5.0 U	259,000	30.0	25.0 U	620.0	3.0	131,000	46.0	0.2 U	270.0	4,680 J	82.0	10.0 U	151,000	50 U	20.0 U
21_DBMW56	132	18-Nov-92	F	31.0 U	12.1 U	0.7 U	28.6 B	1.2 U	161,000	3.7 U	0.9 U	5.1 B	0.6 U	45,300	7.2 B	0.1 U	13.3 B	2,110 B	7.4 BN	2.1 U	78,300	16.3 B	11.4 B
		18-Nov-92	F	31.0 U	12.1 U	0.7 U	28.8 B	1.2 U	161,000	3.7 U	0.9 U	5.8 B	0.6 U	45,100	7.6 B	0.1 U	10.6 B	2,190 B	11.6 BN	2.1 U	78,100	17.4 B	16.5 B
		24-Jun-93	F	12.1 B	24.8 B	0.8 UW	29.8 BE	1.4 U	161,000	2.9 U	1.2 B	49.6 B	0.4 U	46,400	8.0 B	0.1 U	116.0	2,070 B	16.6 B	1.2 U	81,700	15.6 B	4.2 B
		15-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	156,000	10.0 U	25.0 U	100.0 U	3.0	48,000	15.0 U	0.2 U	46.0	2,920 J	5.0 U	10.0 U	89,000	50 U	20.0 U
		15-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	162,000	20.0	25.0 U	176.0	4.0	51,000	15.0 U	0.2 U	71.0	3,250 J	5.0 U	10.0 U	99,000	50 U	20.0 U
21_DGMW90	135	20-Nov-92	F	31.0 U	17.8 B	0.7 U	32.9 BE	1.8 B	161,000	3.7 U	0.9 U	51.9 B	0.6 U	46,700	90.4	0.1 U	113.0	2,770 B	13.5 BN	2.1 U	80,700	14.2 B	9.2 B
		10-Jun-93	F	35.7 B	10.8 B	0.8 UW	29.9 BE	1.4 U	153,000	3.8 B	0.7 U	35.9 B	0.4 U	44,800	23.5	0.1 U	194.0	2,690 B	14.4 BN	1.3 B	78,400	11.8 B	6.4 B
		2-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	134,000	10.0 U	25.0 U	100.0 U	3.0 U	40,000	18.0	0.2 U	260.0	1,790 J	108.0	10.0 U	67,000	50 U	20.0 U
		2-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	138,000	55.0	25.0 U	2100.0	3.0 U	40,000	54.0	0.2 U	300.0	1,800 J	99.0	10.0 U	66,000	50 U	20.0 U

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

Table 7-1: SUMMARY OF METALS ANALYSES
MCAS El Toro Groundwater Monitoring Program

TARGET ANALYTE LIST METALS AND REGULATORY STANDARDS — All Results in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (Ft BGS)	Sample Date	Sample Type	Aluminum	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Mercury	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0	5.0		50.0	1000.0	300.0	15.0		50.0	2.0	100.0		50.0	50.0			5000.0
21_DGMW37	130	13-Nov-92	F	48.1 B	12.1 U	0.7 U	25.3 B	2.2 B	144,000	3.7 U	0.9 U	8.5 B	0.6 U	39,400	13.7 B	0.1 U	102.0	2,550 B	9.5 SN	2.1 U	83,100	13.6 B	5.1 B
		7-Jul-93	F	15.7 B	24.1 B	0.7 B	33.8 B	1.4 U	153,000	2.9 U	0.8 B	23.0 B	0.4 U	39,600	5.5 B	0.1 U	194.0	2,180 B	11.4 BN	1.2 U	91,900	16.6 B	1.9 B
		12-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	169,000	10.0 U	25.0 U	100.0 U	3.0 U	49,000	15.0 U	0.2 U	490.0	2,880 J	10.0	10.0 U	105,000	50 U	20.0 U
		12-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	165,000	22.0	25.0 U	250.0	3.0 U	48,000	15.0 U	0.2 U	480.0	2,840 J	9.0	10.0 U	103,000	50 U	20.0 U
22_DBMW47	156	29-Sep-92	F	31.0 U	16.8 B	1.7 B	32.2 B	1.2 U	167,000	3.7 U	0.9 U	2.3 U	0.6 U	50,500	5.4 B	0.1 U	7.7 U	2,460 B	28.9 S	2.1 U	82,800	17.2 B	2.2 U
		13-Jul-93	F	16.0 B	17.8 B	2.0 B	29.7 B	1.4 U	176,000	2.9 U	0.8 B	8.8 B	0.4 U	49,200	2.9 B	0.1 U	21.8 B	2,560 B	23.0 BN	1.2 U	83,300	15.9 B	1.2 B
		15-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	191,000	10.0 U	25.0 U	100.0 U	3.0 U	59,000	15.0 U	0.2 U	40.0 U	3,890 J	13.0	10.0 U	103,000	50 U	20.0 U
		15-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	5.0 U	165,000	12.0	25.0 U	114.0	3.0 U	48,000	15.0 U	0.2 U	40.0 U	3,000 J	11.0	10.0 U	78,000	50 U	20.0 U

EXPLANATION

1) This table lists the results in micrograms per liter (ug/L) for Target Analyte List (TAL) metals. Trace metals beryllium, cobalt, and thallium were not detected in 1996 samples; refer to the laboratory analytical reports for results.
The January - February 1996 sample results listed in this table are as reported in the APCL laboratory analytical reports (Appendix E, Quarterly Monitoring Report).
Refer to Section 9.3 of the Quarterly Monitoring Report for qualifications from data validation.

2) (D) added to Station ID denotes a duplicate sample.

3) Data Qualification Flags:
U = The material was analyzed for, but was not detected above the level of the associated value.
J = The associated value is an estimated quantity.
Data qualifiers for pre-1996 analytical results are presented herein as reported by previous contractors without accompanying explanation.

4) Regulatory standards in ug/L are listed at the top of each individual metal column.
Metals with Federal Maximum Contaminant Level (MCL): antimony, arsenic, beryllium, cadmium, mercury, nickel, selenium, and thallium.
Metals with Federal Secondary MCL: aluminum, copper, iron, manganese, and zinc.
Metals with State MCL: barium, chromium, and silver.
USEPA Action Level for lead.

5) = Result exceeds regulatory standard

NOTE: F=filtered sample, UF=unfiltered sample, NA=same type not available

8.0 GENERAL CHEMISTRY AND OTHER ANALYSES

This section presents the results of general chemistry, treatability parameters, gross alpha/gross beta, and other site-specific analyses performed during the January-February 1996 groundwater sampling round.

8.1 GENERAL CHEMISTRY PARAMETERS

General chemistry analyses and field parameters were collected for all 163 groundwater monitoring wells sampled during the current 1996 sampling round. The general chemistry analyses performed include the major anions (chloride, sulfate, nitrate/nitrite-N, carbonate, bicarbonate, alkalinity), total dissolved solids (TDS), pH, temperature, electrical conductivity, dissolved oxygen, and redox potential.

Table C-1 (Appendix C of this report) includes the results of field parameter measurements conducted during well purging and sampling. The results indicate a pH range for groundwater samples between 6.25 and 8.02 pH units and electrical conductivity range between 522 and a maximum of 4,750 umhos/cm (Well 15 DBMW51).

The results of general chemistry analyses are summarized in Table 8-1. Consistent with prior analyses, elevated concentrations of TDS, chloride, and sulfate were found in groundwater samples from wells generally located in the western portion of the Station and in the sample locations in the off-Station area (MCAS wells/ports). Alkalinity and bicarbonate analyses are similarly consistent with prior sample results. The highest concentrations of nitrate/nitrite-N were found in samples from Wells 18 MCAS02-1 (73 mg/L), 18 BGMW19D, and 18 BGMW19E (64 mg/L).

8.2 TREATABILITY PARAMETERS

As specified in the *Final Groundwater Monitoring Plan*, samples collected from 38 monitoring wells were analyzed for the following treatability parameters: chemical oxygen demand (COD), total organic carbon (TOC), ammonia-nitrogen, phosphate, silica (dissolved), strontium, radon, total suspended solids (TSS), turbidity, and color. The results of treatability analyses are summarized in Table 8-2. These treatability parameters have not been sampled or analyzed from the MCAS El Toro monitoring wells prior to the current 1996 sampling round.

8.3 SITE-SPECIFIC ANALYSES

For this monitoring report, site-specific analyses refer to the non-routine groundwater analyses that were performed at selected wells based on site history and reported site activities. During the current 1996 sampling round, the following site-specific analytical results were obtained:

Gross Alpha/Gross Beta. Samples were collected in all wells at the landfill sites (Sites 2, 3/4, 5, and 17) and the two wells at Site 1 (01 DGMW57, 01 DGMW58) and analyzed for gross alpha (Method SM7110C) and gross beta ((EPA Method 900.0). A total of 20 groundwater samples were analyzed (18 wells and 2 duplicate samples). The results of these analyses are presented in Table 8-3, as well as the results of gross alpha and gross beta analyses reported during the Phase I RI in 1992-93. In general, the new results are comparable with the prior gross alpha/gross beta results. However, the gross alpha results for samples collected at Wells 02 DGMW61 (22.9 picocuries/liter (pCi/L)) and 05 DBMW41 (26.37 pCi/L) are higher than previous results.

Nitroaromatics and Nitroamines. Because explosives were disposed at Site 1 (Explosive Ordanace Disposal Range), groundwater samples from the two wells at Site 1 (01 DGMW57 and 01 DGMW58) were analyzed for nitroaromatic and nitroamine compounds using EPA Method 8330. For both samples, none of the 14 compounds tested by this method were

detected at or above the CRDL of 0.5 μg/L. Refer to the laboratory analysis report (Volume II - Appendix E) for the specific nitroaromatic and nitroamine compounds which were analyzed.

Cyanide. Because of the detection of cyanide (Phase I RI) in shallow soil at Site 12 (Sludge Drying Beds), groundwater samples from the two wells at Site 12 (12 UGMW31 and 12 DBMW48) were analyzed for cyanide. Cyanide was not detected at or above the CRDL of 0.02 mg/L.

Table 8-1: SUMMARY OF GENERAL CHEMISTRY ANALYSES
MCAS El Toro Groundwater Monitoring Program

			GENERAL CHEMISTRY PARAMETERS AND REGULATORY STANDARDS All Results in Milligrams per Liter (mg/L)						
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TDS 500	Chloride 250.0	Sulfate 250.0	Nitrate/ Nitrite-N 10.0	Alkalinity (as $CaCO_3$)	Bicarbonate (as $CaCO_3$)	Carbonate (as $CaCO_3$)
01_DGMW57	83	10-Dec-92	808	91.6	250.0	1.7	235.0	235.0	
		14-Jun-93	602	79.5	139.0	1.5	237.0	237.0	
		7-Feb-96	494	58.0	81.0	3.1	244.0	298.0	2.0 U
01_DGMW58	77	14-Dec-92	429	61.2	21.1	5.8	234.0	234.0	
		14-Jun-93	462	24.5	58.2		251.0	251.0	
		14-Jun-93	468	24.8	58.5	7.7	252.0	252.0	
		28-Feb-96	404	21.0	23.0	11.0	227.0	277.0	2.0 U
02_DGMW59	89	15-Dec-92	839	119.0	215.0	3.5	294.0	294.0	
		23-Jun-93	970	128.0	167.0	3.3	464.0	464.0	
		6-Feb-96	1,130	110.0	394.0	5.4	221.0	269.0	2.0 U
02_DGMW59 (D)		6-Feb-96	1,090	107.0	401.0	7.7	221.0	269.0	2.0 U
02_DGMW60	100	18-Nov-92	834	91.7	163.0	3.5	430.0	430.0	
		23-Jun-93	751	86.9	183.0	9.7	297.0	297.0	
		6-Feb-96	1,090	125.0	303.0	20.0	343.0	419.0	2.0 U
02_DGMW60 (D)		6-Feb-96	1,110	125.0	301.0	23.0	339.0	413.0	2.0 U
02_DGMW61	100	14-Dec-92	579	25.3	188.0	0.1 U	256.0	256.0	
		22-Jun-93	578	25.6	194.0	0.4	242.0	242.0	
		8-Feb-96	714	39.0	212.0	6.6	287.0	351.0	2.0 U
02_UGMW25	75	9-Dec-92	598	66.0	167.0	6.3	180.0	180.0	
		22-Jun-93	538	39.7	164.0	1.5	140.0	140.0	
		7-Feb-96	1,580	262.0	508.0	38.0	242.0	296.0	2.0 U
03_DBMW39	270	9-Oct-92	731	146.0	36.4 U	5.7	335.0	335.0	
		21-Jun-93	737	137.0	35.3	6.3	340.0	340.0	
		21-Jun-93	768	138.0		6.3	349.0	349.0	2.0 U
		30-Jan-96	764	125.0	51.0	6.9	416.0	507.0	2.0 U
03_DGMW64	285	15-Jan-93	847	152.0	153.0	10.6	286.0	286.0	
		2-Jun-93	854	144.0	148.0	9.0	284.0	284.0	
		26-Feb-96	847	139.0	156.0	7.0	292.0	356.0	2.0 U
03_DGMW65X	270	18-Jan-93	750	145.0	91.6	8.0	288.0	288.0	
		7-Jul-93	731	148.0	91.0	4.7	297.0	297.0	
		26-Feb-96	794	138.0	85.0	9.5	333.0	407.0	2.0 U
03_UGMW26	270	1-Oct-92	762	104.0	110.0	15.3	271.0	271.0	
		23-Jun-93	761	112.0	126.0	16.2	267.0	267.0	
		27-Feb-96	760	103.0	117.0	22.0	268.0	327.0	2.0 U
04_DBMW40	260	3-Dec-92	940	149.0	123.0	12.8	438.0	438.0	
		24-Jun-93	1,000	153.0	146.0	10.3	384.0	384.0	
		26-Feb-96	928	149.0	171.0	9.7	279.0	340.0	2.0 U
04_DGMW66	290	20-Nov-92	730	128.0	112.0	6.5	260.0	260.0	
		24-Jun-93	770	124.0	109.0	9.2	256.0	256.0	
		26-Feb-96	760	121.0	103.0	13.0	251.0	306.0	2.0 U
04_UGMW63	275	24-Nov-92	993	160.0	123.0	11.8	386.0	386.0	
		25-Jun-93	1,080	201.0	108.0	12.4	360.0	360.0	
		30-Jan-96	898	193.0	92.0	3.7	315.0	385.0	2.0 U

Table 8-1: SUMMARY OF GENERAL CHEMISTRY ANALYSES
MCAS El Toro Groundwater Monitoring Program

			GENERAL CHEMISTRY PARAMETERS AND REGULATORY STANDARDS *All Results in Milligrams per Liter (mg/L)*						
Station ID	**Base Screen Depth** (Ft BGS)	**Sample Date**	**TDS** 500	**Chloride** 250.0	**Sulfate** 250.0	**Nitrate/ Nitrite-N** 10.0	**Alkalinity (as $CaCO_3$)**	**Bicarbonate (as $CaCO_3$)**	**Carbonate (as $CaCO_3$)**
05_DBMW41	222	16-Nov-92	758	85.2	193.0	8.6	228.0	228.0	
		16-Nov-92	790	86.2	194.0	8.9	233.0	233.0	
		20-Oct-93	877	93.2	242.0	10.8	263.0	263.0	
		7-Feb-96	937	99.0	211.0	17.0	330.0	403.0	2.0 U
05_DGMW67	227	30-Nov-92	925	96.8	284.0	6.8	296.0	296.0	
		30-Nov-92	934	97.3		6.9			
		3-Jun-93	985	96.0	275.0	8.1	289.0	289.0	
		9-Feb-96	1,020	114.0	267.0	11.0	326.0	398.0	2.0 U
05_DGMW68	210	17-Dec-92	905	101.0	270.0	8.1	250.0	250.0	
		25-Jun-93	961	102.0	262.0	8.4	254.0	254.0	
		27-Feb-96	989	112.0	258.0	13.0	307.0	374.0	2.0 U
05_UGMW27	238	3-Dec-92	844	84.5	253.0	8.1	266.0	266.0	
		3-Jun-93	876	85.9	250.0	9.2	269.0	269.0	
		29-Jan-96	927	96.0	253.0	8.9	292.0	356.0	2.0 U
06_DGMW69	190	2-Dec-92	1,080	286.0	209.0	16.3	110.0	110.0	
		7-Jul-93	1,330	283.0	197.0	15.1	113.0	113.0	
		2-Feb-96	1,030	248.0	210.0	17.0	142.0	173.0	2.0 U
06_UGMW28	180	13-Nov-92	1,890	541.0	332.0	18.8	136.0	136.0	
		9-Jul-93	2,180	494.0	277.0	20.4	134.0	134.0	
		16-Feb-96	1,700	393.0	345.0	18.0	182.0	222.0	2.0 U
07_DBMW43	190	1-Dec-92	880	185.0	144.0	14.8	126.0	126.0	
		25-Jun-93	1,220	272.0	191.0	14.6	100.0	100.0	
		19-Feb-96	656	141.0	105.0	14.0	127.0	154.0	2.0 U
07_DBMW70	165	8-Dec-92	1,210	267.0	319.0	17.1	126.0	126.0	
		25-Jun-93	963	172.0	206.0	18.5	166.0	166.0	
		13-Feb-96	1,070	235.0	219.0	22.0	157.0	191.0	2.0 U
07_DBMW100	171	8-Dec-92				9.3			
		8-Dec-92				9.4			
		4-Jun-93	882	200.0	116.0	10.4	136.0	136.0	
		31-Jan-96	776	187.0	118.0	9.9	120.0	147.0	2.0 U
07_DGMW71	155	15-Dec-92	937	217.0	174.0	15.4	182.0	182.0	
		22-Jun-93	945	204.0	155.0	13.1	196.0	196.0	
		13-Feb-96	1,010	245.0	118.0	14.0	204.0	249.0	2.0 U
07_DGMW72	150	19-Nov-92	1,120	241.0	112.0	14.8	209.0	209.0	
		21-Jul-93	1,860	220.0	769.0	17.2	216.0	216.0	
		15-Oct-93	1,002	250.0	90.3	14.8	199.0	199.0	
		13-Feb-96	935	237.0	71.0	17.0	182.0	222.0	2.0 U
07_DGMW91	150	18-Dec-92	913	192.0	168.0	17.7	200.0	200.0	
		21-Jul-93	950	185.0	138.0	15.4	215.0	215.0	
		8-Feb-96	941	212.0	129.0	16.0	227.0	277.0	2.0 U
08_DGMW73	130	2-Dec-92	942	162.0	69.5	15.4	447.0	447.0	
		20-Jul-93	954	169.0	84.6	14.0	420.0	420.0	
		20-Jul-93	961	170.0	85.7	14.1	424.0	424.0	
		14-Feb-96	1,050	264.0	92.0	13.0	414.0	505.0	2.0 U

Table 8-1: SUMMARY OF GENERAL CHEMISTRY ANALYSES
MCAS El Toro Groundwater Monitoring Program

			GENERAL CHEMISTRY PARAMETERS AND REGULATORY STANDARDS *All Results in Milligrams per Liter (mg/L)*						
Station ID	**Base Screen Depth** (Ft BGS)	**Sample Date**	**TDS** 500	**Chloride** 250.0	**Sulfate** 250.0	**Nitrate/ Nitrite-N** 10.0	**Alkalinity (as $CaCO_3$)**	**Bicarbonate (as $CaCO_3$)**	**Carbonate (as $CaCO_3$)**
08_DGMW74	130	16-Nov-92	804	189.0	79.6	12.6	266.0	266.0	
		20-Jul-93	895	210.0	85.2	13.4	276.0	276.0	
		14-Feb-96	816	191.0	65.0	15.0	263.0	320.0	2.0 U
08_UGMW29	135	8-Dec-92	847	245.0	99.5	11.7	132.0	132.0	
		9-Jul-93	959	228.0	67.3	11.5	149.0	149.0	
		9-Jul-93	963	232.0	68.2	11.7			
		14-Feb-96	988	257.0	60.0	19.0	165.0	201.0	2.0 U
09_DBMW45	157	10-Dec-92	1,050	197.0	228.0	18.7	188.0	188.0	
		10-Dec-92	1,090	202.0	231.0	19.1	189.0	189.0	
		13-Jul-93	1,040	208.0	212.0	17.0	186.0	186.0	
		15-Feb-96	1,110	224.0	205.0	19.0	182.0	222.0	2.0 U
09_DGMW75	154	1-Dec-92	1,370	273.0	423.0	23.6	156.0	156.0	
		12-Jul-93	1,470	279.0	412.0	21.4	160.0	160.0	
		14-Feb-96	1,340	284.0	369.0	26.0	169.0	207.0	2.0 U
10_DGMW77	170	17-Nov-92	1,030	188.0	217.0	15.8	189.0	189.0	
		13-Aug-93	1,100	192.0	211.0	16.2	169.0	169.0	
		14-Feb-96	1,220	229.0	202.0	16.0	152.0	186.0	2.0 U
12_DBMW48	135	17-Nov-92	1,800	401.0	549.0	22.9	163.0	163.0	
		27-Jul-93	2,246	392.0	497.0	23.8	164.0	164.0	
		16-Feb-96	1,660	325.0	405.0	25.0	191.0	233.0	2.0 U
12_UGMW31	145	8-Oct-92	1,100	211.0	263.0	22.5	188.0	188.0	
		7-Jul-93	1,160	197.0	246.0	22.2	187.0	187.0	
		14-Feb-96	944	181.0	190.0	26.0	195.0	238.0	2.0 U
13_DBMW49	182	16-Nov-92	2,050	346.0	651.0	11.8	398.0	398.0	
		30-Jun-93	2,020	318.0	640.0	15.0	357.0	357.0	
		6-Feb-96	1,860	299.0	636.0	25.0	281.0	343.0	2.0 U
13_DBMW49 (D)		6-Feb-96	2,000	302.0	645.0	27.0	279.0	340.0	2.0 U
13_DGMW78	167	23-Nov-92	2,910	522.0	1040.0	28.7	273.0	273.0	
		16-Jun-93	2,570	394.0	764.0	26.5	336.0	336.0	
		1-Feb-96	1,970	302.0	671.0	22.0	375.0	458.0	2.0 U
13_UGMW32	184	28-Oct-92	1,540	184.0	511.0	9.8	362.0	362.0	
		28-Jun-93	1,490	161.0	554.0	10.1	262.0	262.0	
		5-Feb-96	1,290	153.0	445.0	13.0	223.0	272.0	2.0 U
14_DBMW50	160	2-Dec-92	1,920	304.0	670.0	22.2	246.0	246.0	
		25-Jun-93	2,200	315.0	674.0	17.6	274.0	274.0	
		5-Feb-96	1,900	306.0	614.0	27.0	253.0	309.0	2.0 U
14_DBMW50 (D)		5-Feb-96	1,980	310.0	616.0	25.0	257.0	314.0	2.0 U
14_DGMW79	158	20-Nov-92	2,330	313.0	907.0	10.9	328.0	328.0	
		16-Jun-93	2,360	308.0	846.0	16.8	305.0	305.0	
		5-Feb-96	2,240	324.0	761.0	23.0	255.0	311.0	2.0 U
15_DBMW51	165	4-Dec-92	5,260	1570.0	1470.0	63.4	252.0	252.0	
		13-Aug-93	6,600	1560.0	1400.0	58.1	323.0	323.0	
		8-Oct-93	5,650	1210.0	1350.0	46.9	412.0	412.0	
		6-Feb-96	3,960	895.0	1160.0	53.0	392.0	479.0	2.0 U

Table 8-1: SUMMARY OF GENERAL CHEMISTRY ANALYSES
MCAS El Toro Groundwater Monitoring Program

			GENERAL CHEMISTRY PARAMETERS AND REGULATORY STANDARDS *All Results in Milligrams per Liter (mg/L)*						
Station ID	**Base Screen Depth** (Ft BGS)	**Sample Date**	**TDS** 500	**Chloride** 250.0	**Sulfate** 250.0	**Nitrate/ Nitrite-N** 10.0	**Alkalinity (as $CaCO_3$)**	**Bicarbonate (as $CaCO_3$)**	**Carbonate (as $CaCO_3$)**
16_DBMW52	222	4-Nov-92	1,360	305.0	408.0	22.3	175.0	175.0	
		14-Jul-93	1,380	311.0	369.0	22.5	188.0	188.0	
		7-Feb-96	1,500	180.0	559.0	28.0	199.0	243.0	2.0 U
		7-Feb-96	1,520	182.0	568.0	29.0	202.0	246.0	2.0 U
16_DGMW81	216	11-Dec-92	2,040	412.0	660.0	25.1	162.0	162.0	
		24-Jun-93	2,220	406.0	686.0	21.0	158.0	158.0	
		24-Jun-93	2,350	429.0	722.0	21.3			
		8-Feb-96	1,590	261.0	594.0	19.0	184.0	225.0	2.0 U
16_UGMW33	220	17-Dec-92	639	19.5	201.0	5.2	265.0	265.0	
		14-Jul-93	677	8.6	192.0	5.8	296.0	296.0	
		14-Jul-93	698	8.6	193.0	5.9	298.0	298.0	
		7-Feb-96	589	13.0	164.0	8.6	311.0	379.0	2.0 U
17_DGMW82	255	8-Feb-93	817	101.0	315.0	0.9	155.0	155.0	
		3-Jun-93	895	103.0	325.0	1.1	190.0	190.0	
		3-Jun-93	912	106.0	331.0		192.0	192.0	
		9-Feb-96	767	96.0	182.0	1.1	272.0	332.0	2.0 U
18_BGMP06A	455	8-Oct-92	687	93.2	174.0	2.8	222.0	222.0	
		12-Aug-93	616	69.9	162.0	1.9	215.0	215.0	
		7-Feb-96	552	66.0	136.0	1.4	229.0	280.0	2.0 U
18_BGMP06B	390	7-Oct-92	700	77.4	182.0	0.8	246.0	246.0	
		11-Aug-93	732	67.7	177.0	0.9	242.0	242.0	
		7-Feb-96	685	68.0	168.0	0.7	262.0	319.0	2.0 U
18_BGMP06C	305	7-Oct-92	925	208.0	277.0	4.8	136.0	136.0	
		9-Aug-93	682	98.2	187.0	0.4	214.0	214.0	
		7-Feb-96	593	85.0	141.0	0.1 U	189.0	230.0	2.0 U
18_BGMP06D	178	6-Oct-92	1,140	228.0	325.0	9.2	180.0	180.0	
		6-Aug-93	1,343	277.0	369.0	12.1	210.0	210.0	
		7-Feb-96	1,150	278.0	320.0	16.0	229.0	280.0	2.0 U
18_BGMP06E	115	1-Oct-92	1,180	174.0	391.0	11.9	167.0	167.0	
		2-Aug-93	1,680	214.0	503.0	19.3	283.0	283.0	
		7-Feb-96	1,440	268.0	637.0	29.0	279.0	340.0	2.0 U
18_BGMP08A	449	17-Oct-92	894	208.0	212.0	5.7	148.0	148.0	
		11-Jun-93	962	223.0	229.0	2.2	173.0	173.0	
		15-Jan-96	986	241.0	229.0	4.5	184.0	225.0	2.0 U
18_BGMP08B	307	15-Oct-92	776	123.0	179.0	10.6	176.0	176.0	
		10-Jun-93	796	133.0	183.0	11.1	185.0	185.0	
		16-Jan-96	822	133.0	180.0	7.7	197.0	241.0	2.0 U
18_BGMP08C	136	13-Oct-92	822	159.0	166.0	21.9	143.0	143.0	
		15-Oct-92	814	159.0	165.0	19.7	145.0	145.0	
		14-Jun-93	828	161.0	16.3	22.5	163.0	163.0	
		15-Jun-93	844	164.0	162.0	23.1	163.0	163.0	
		16-Jan-96	899	181.0	173.0	19.0	165.0	201.0	2.0 U
18_BGMP08D	71	12-Oct-92	1,810	330.0	374.0	55.5	335.0	335.0	
		10-Jun-93	1,920	310.0	379.0	67.1	328.0	328.0	
		17-Jan-96	1,470	229.0	412.0	39.0	283.0	345.0	2.0 U

Table 8-1: SUMMARY OF GENERAL CHEMISTRY ANALYSES
MCAS El Toro Groundwater Monitoring Program

			GENERAL CHEMISTRY PARAMETERS AND REGULATORY STANDARDS All Results in Milligrams per Liter (mg/L)						
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TDS 500	Chloride 250.0	Sulfate 250.0	Nitrate/ Nitrite-N 10.0	Alkalinity (as $CaCO_3$)	Bicarbonate (as $CaCO_3$)	Carbonate (as $CaCO_3$)
18_BGMP09A	463	23-Oct-92	964	251.0	269.0	0.1 U	144.0	144.0	
		22-Jun-93	1,510	475.0	427.0	0.1 <	146.0	146.0	
		31-Jan-96	2,200	803.0	633.0	0.1 U	69.0	79.0	3.0
18_BGMP09B	385	23-Oct-92	958	212.0	231.0	8.4	154.0	154.0	
		21-Jun-93	1,160	278.0	297.0	0.9	186.0	186.0	
		31-Jan-96	1,270	325.0	307.0	0.1 U	191.0	233.0	2.0 U
18_BGMP09C	268	22-Oct-92	755	133.0	210.0	0.3	203.0	203.0	
		18-Jun-93	714	133.0	198.0	0.1	173.0	173.0	
		1-Feb-96	625	113.0	163.0	0.1 U	139.0	170.0	2.0 U
18_BGMP09D	232	21-Oct-92	817	132.0	195.0	8.9	213.0	213.0	
		17-Jun-93	830	131.0	186.0	9.7	217.0	217.0	
		2-Feb-96	830	143.0	203.0	6.5	195.0	238.0	2.0 U
18_BGMP09E	143	20-Oct-92	882	207.0	170.0	9.9	214.0	214.0	
		20-Oct-92	894	212.0	175.0	9.9	216.0	216.0	
		23-Jun-93	961	208.0	175.0	10.4	211.0	211.0	
		24-Jun-93	918	210.0	173.0	10.3	211.0	211.0	
		2-Feb-96	1,060	246.0	164.0	10.0	212.0	259.0	2.0 U
18_BGMP09F	69	19-Oct-92	1,490	190.0	384.0	60.2	268.0	268.0	
		16-Jun-93	1,320	160.0	354.0	55.1	228.0	228.0	
		2-Feb-96	1,370	167.0	326.0	53.0	219.0	267.0	2.0 U
18_BGMP10A	1011	20-Jan-93	1,190	188.0	434.0	0.5	255.0	255.0	
		30-Jul-93	819	390.0	244.0	0.1 <	205.0	205.0	
		19-Jan-96	552	99.0	58.0	0.1 U	221.0	217.0	26.0
18_BGMP10B	896	25-Jan-93	1,010	169.0	424.0	0.4	272.0	272.0	
		25-Jan-93	1,160	187.0	454.0	0.5	276.0	276.0	
		30-Jul-93	998	135.0	289.0	0.1 <	254.0	254.0	
		23-Jan-96	495	86.0	70.0	0.1 U	229.0	280.0	2.0 U
18_BGMP10C	762	23-Jan-93	1,150	158.0	390.0	0.9	266.0	266.0	
		1-Jul-93	540	47.6	144.0	0.1 <	208.0	208.0	
		23-Jan-96	367	23.0	81.0	0.1 U	182.0	186.0	18.0
18_BGMP10D	573	22-Jan-93	587	66.1	191.0	0.1 U	226.0	226.0	
		28-Jun-93	611	60.9	166.0	0.1	229.0	229.0	
		23-Jan-96	462	27.0	92.0	0.1 U	223.0	272.0	2.0 U
18_BGMP10E	449	21-Jan-93	1,180	196.0	473.0	0.1 U	267.0	267.0	
		29-Jun-93	549	30.1	138.0	0.1	260.0	260.0	
		29-Jun-93	555	30.8	141.0	0.1 <			
		24-Jan-96	545	31.0	128.0	0.1 U	262.0	319.0	2.0 U
18_BGMP10F	228	20-Jan-93	1,160	245.0	601.0	0.1	282.0	282.0	
		25-Jun-93	1,220	178.0	415.0	0.1 <	256.0	256.0	
		24-Jan-96	1,260	144.0	632.0	3.6	272.0	332.0	2.0 U
18_BGMW01A	486	11-Dec-92	1,400	350.0	318.0	0.1 U	92.0	92.0	
		1-Jul-93	1,200	361.0	288.0	0.1 <	148.0	135.0	
		1-Jul-93	1,240	365.0	289.0		261.0	148.0	126.0
		26-Jan-96	1,190	357.0	226.0	0.1 U	195.0	238.0	2.0 U
18_BGMW01A (D)		26-Jan-96	1,190	365.0	233.0	0.1 U	193.0	238.0	2.0 U

Table 8-1: SUMMARY OF GENERAL CHEMISTRY ANALYSES
MCAS El Toro Groundwater Monitoring Program

			GENERAL CHEMISTRY PARAMETERS AND REGULATORY STANDARDS All Results in Milligrams per Liter (mg/L)						
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TDS	Chloride	Sulfate	Nitrate/ Nitrite-N	Alkalinity (as $CaCO_3$)	Bicarbonate (as $CaCO_3$)	Carbonate (as $CaCO_3$)
			500	250.0	250.0	10.0			
18_BGMW01B	416	14-Dec-92	702	105.0	192.0	1.6	198.0	198.0	
		22-Jun-93	770	103.0	210.0	0.9	216.0	216.0	
		26-Jan-96	701	72.0	314.0	1.8	210.0	256.0	2.0 U
18_BGMW01C	350	16-Dec-92	767	88.2	154.0	18.6	236.0	236.0	
		24-Jun-93	786	90.8	152.0	19.1	250.0	250.0	
		23-Jan-96	696	95.0	124.0	25.0	238.0	290.0	2.0 U
18_BGMW01D	262	9-Dec-92	864	152.0	203.0	8.1	282.0	282.0	
		23-Jan-96	944	139.0	182.0	9.9	287.0	351.0	2.0 U
18_BGMW01E	225	27-Oct-92	867	176.0	61.1	14.3	396.0	396.0	
		27-Oct-92	872	177.0	61.4	17.2	414.0	414.0	
		18-Jun-93	916	168.0	57.0	15.4	212.0	212.0	
		5-Feb-96	780	129.0	55.0	8.8	440.0	536.0	2.0 U
18_BGMW02A	482	21-Dec-92	522	76.5	170.0	0.1 U	168.0	168.0	
		8-Jun-93	560	74.7	162.0	0.1 <	176.0	176.0	
		19-Jan-96	531	78.0	126.0	0.1 U	202.0	246.0	2.0 U
18_BGMW02C	378	22-Dec-92	561	71.0	142.0	1.6	206.0	206.0	
		9-Jun-93	560	69.7	135.0	1.9	224.0	224.0	
		18-Jan-96	561	73.0	132.0	1.9	225.0	275.0	2.0 U
18_BGMW02D	314	18-Dec-92	696	107.0	187.0	2.6	172.0	172.0	
		15-Jun-93	668	105.0	166.0	3.1	165.0	165.0	
		17-Feb-96	670	104.0	164.0	2.2	174.0	212.0	2.0 U
18_BGMW02D (D)		17-Feb-96	662	112.0	175.0	2.2	176.0	215.0	2.0 U
18_BGMW02E	233	21-Sep-92	847	131.0	235.0	8.6	182.0	182.0	
		15-Jun-93	802	132.0	222.0	10.0	160.0	160.0	
		1-Feb-96	911	131.0	222.0	11.0	187.0	228.0	2.0 U
18_BGMW03A	390	29-Oct-92	662	120.0	123.0	12.6	174.0	174.0	
		14-Jul-93	702	115.0	112.0	11.5	175.0	175.0	
		29-Feb-96	657	122.0	122.0	13.6	182.0	222.0	2.0 U
18_BGMW03A (D)		29-Feb-96	663	106.0	109.0	14.3	182.0	222.0	2.0 U
18_BGMW03B	300	28-Oct-92	589	109.0	105.0	6.4	174.0	174.0	
		28-Nov-92	579	108.0	105.0	6.2	180.0	180.0	
		14-Jul-93	616	105.0	98.2	6.2	176.0	176.0	
		14-Jul-93	617	106.0	98.3	6.6			
		29-Feb-96	602	94.0	107.0	13.0	178.0	217.0	2.0 U
18_BGMW03C	242	17-Dec-92	654	126.0	116.0	8.4	162.0	162.0	
		15-Jul-93	675	126.0	111.0	8.4	164.0	164.0	
		12-Feb-96	656	119.0	99.0	14.0	159.0	194.0	2.0 U
18_BGMW03E	164	17-Dec-92	928	238.0	146.0	14.1	138.0	138.0	
		15-Jul-93	1,200	243.0	128.0	13.1	144.0	144.0	
		5-Feb-96	922	250.0	94.0	17.0	142.0	173.0	2.0 U
18_BGMW04A	306	30-Sep-92	670	110.0	124.0	4.0	198.0	198.0	
		16-Jul-93	685	102.0	134.0	2.5	202.0	202.0	
		28-Feb-96	679	119.0	123.0	6.1	193.0	235.0	2.0 U

Table 8-1: SUMMARY OF GENERAL CHEMISTRY ANALYSES
MCAS El Toro Groundwater Monitoring Program

			GENERAL CHEMISTRY PARAMETERS AND REGULATORY STANDARDS All Results in Milligrams per Liter (mg/L)						
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TDS 500	Chloride 250.0	Sulfate 250.0	Nitrate/ Nitrite-N 10.0	Alkalinity (as $CaCO_3$)	Bicarbonate (as $CaCO_3$)	Carbonate (as $CaCO_3$)
18_BGMW04B	210	29-Sep-92	718	183.0	77.0	0.1 U	152.0	152.0	
		13-Jul-93	823	196.0	76.8	13.5	145.0	145.0	
		13-Jul-93	870	210.0	82.7	13.6	147.0	147.0	
		19-Jan-96	867	232.0	87.0	21.0	148.0	181.0	2.0 U
18_BGMW04B (D)		19-Jan-96	1,020	234.0	84.0	24.0	148.0	181.0	2.0 U
18_BGMW05A	482	15-Dec-92	3,160	1580.0	419.0	0.1 U	75.0	75.0	
		8-Jul-93	3,360	1050.0	352.0	0.1 <	110.0	110.0	
		26-Jan-96	2,230	1080.0	225.0	0.1 U	152.0	186.0	2.0 U
18_BGMW05A (D)		26-Jan-96	2,230	1080.0	225.0	0.1 U	152.0	186.0	2.0 U
18_BGMW05B	341	11-Nov-92	725	141.0	128.0	9.3	184.0	184.0	
		8-Jul-93	709	135.0	122.0	4.7	193.0	193.0	
		29-Feb-96	735	114.0	134.0	23.1	174.0	212.0	2.0 U
18_BGMW05C	245	10-Nov-92	675	125.0	137.0	17.7	175.0	175.0	
		10-Nov-92	725	129.0	149.0	18.7	179.0	179.0	
		9-Jul-93	729	118.0	141.0	18.7	174.0	174.0	
		29-Feb-96	709	133.0	115.0	12.0	182.0	222.0	2.0 U
18_BGMW05D	133	3-Nov-92	675	125.0	137.0	9.4	142.0	142.0	
		12-Jul-93	1,080	126.0	325.0	9.9	253.0	253.0	
		19-Feb-96	982	281.0	140.0	7.2	202.0	246.0	2.0 U
18_BGMW07	65	9-Dec-92	1,070	252.0	226.0	3.0	294.0	294.0	
		18-Jun-93	1,100	225.0	217.0	10.5	261.0	261.0	
		9-Feb-96	1,450	391.0	209.0	15.0	262.0	319.0	2.0 U
18_BGMW12	205	9-Nov-92	1,900	226.0	920.0	14.9	227.0	227.0	
		2-Feb-96	1,770	305.0	665.0	28.0	204.0	249.0	2.0 U
18_BGMW14	115	20-Oct-92	819	163.0	146.0	12.8	220.0	220.0	
		19-Oct-93	1,150	259.0	114.0		176.0	176.0	
		16-Feb-96	1,320	358.0	130.0	19.0	152.0	186.0	2.0 U
18_BGMW15	215	30-Oct-92	1,490	285.0	835.0		141.0	141.0	
		9-Jul-93	2,610	359.0	1090.0	19.7	156.0	156.0	
		2-Feb-96	2,210	288.0	898.0	20.0	195.0	238.0	2.0 U
18_BGMW16	263	23-Oct-92	988	97.4	356.0		204.0	211.0	
		23-Oct-92	1,010	99.9	368.0		211.0	249.0	
		19-Jul-93	944	73.5	289.0	12.3	227.0	227.0	
		19-Jan-96	1,030	96.0	327.0	25.0	223.0	272.0	2.0 U
18_BGMW17	255	22-Oct-92	891	125.0	215.0		225.0	225.0	
		12-Jul-93	900	124.0	207.0	19.8	223.0	223.0	
		29-Jan-96	861	118.0	187.0	24.0	225.0	275.0	2.0 U
18_BGMW18	180	10-Nov-92	1,040	127.0	307.0	22.8	286.0	286.0	
		16-Jul-93	1,100	107.0	276.0	21.3	303.0	303.0	
		5-Feb-96	1,110	107.0	300.0	31.0	294.0	358.0	2.0 U
18_BGMW19A	468	22-Dec-92	799	89.5	246.0	1.7	243.0	243.0	
		9-Jun-93	756	89.0	236.0	1.8	240.0	240.0	
		1-Mar-96	805	91.1	228.0	1.7	242.0	296.0	2.0 U

Table 8-1: SUMMARY OF GENERAL CHEMISTRY ANALYSES
MCAS El Toro Groundwater Monitoring Program

			GENERAL CHEMISTRY PARAMETERS AND REGULATORY STANDARDS *All Results in Milligrams per Liter (mg/L)*						
Station ID	**Base Screen Depth** (Ft BGS)	**Sample Date**	**TDS** 500	**Chloride** 250.0	**Sulfate** 250.0	**Nitrate/ Nitrite-N** 10.0	**Alkalinity (as $CaCO_3$)**	**Bicarbonate (as $CaCO_3$)**	**Carbonate (as $CaCO_3$)**
18_BGMW19B	420	17-Dec-92	750	90.9	207.0	5.3	230.0	230.0	
		11-Jun-93	866	99.4	212.0	7.5	252.0	252.0	
		11-Mar-96	748	87.9	179.0	2.8	244.0	298.0	2.0 U
18_BGMW19C	277	24-Sep-92	1,150	198.0	329.0	13.5	220.0	220.0	
		24-Sep-92		200.0	330.0	13.6			
		28-Jun-93	1,200	205.0	344.0	15.4	220.0	220.0	
		29-Feb-96	1,350	227.0	265.0	23.6	221.0	269.0	2.0 U
18_BGMW19D	170	25-Sep-92	2,060	171.0	630.0	66.7	286.0	286.0	
		14-Jun-93	1,870	156.0	567.0	69.7	298.0	298.0	
		16-Feb-96	2,300	179.0	741.0	64.0	244.0	298.0	2.0 U
18_BGMW19E	138	12-Nov-92	1,940	189.0	683.0	53.6	310.0	310.0	
		14-Jun-93	1,890	164.0	607.0	57.7	308.0	308.0	
		14-Jun-93	1,900	171.0		63.5	315.0	315.0	
		6-Feb-96	1,820	154.0	564.0	64.0	339.0	413.0	2.0 U
18_BGMW22	287	9-Dec-92	842	94.8	245.0	1.8	390.0	390.0	
		28-Jun-93	870	97.8	220.0	1.7	326.0	326.0	
		22-Jan-96	920	116.0	209.0	2.9	309.0	377.0	2.0 U
18_BGMW23	104	10-Dec-92	983	171.0	198.0	26.0	152.0	152.0	
		22-Jun-93	900	171.0	199.0	22.5	146.0	146.0	
		19-Feb-96	835	177.0	154.0	19.0	142.0	173.0	2.0 U
18_BGMW24	71	12-Nov-92	731	56.3	251.0	8.6	204.0	204.0	
		9-Jul-93	733	50.2	242.0	7.4	206.0	206.0	
		7-Feb-96	718	53.0	222.0	12.0	238.0	290.0	2.0 U
18_BGMW101	130	13-Nov-92	1,470	215.0	437.0	16.2	314.0	314.0	
		19-Jul-93	1,490	217.0	397.0	15.8	304.0	304.0	
		29-Jan-96	1,520	326.0	381.0	25.0	259.0	317.0	2.0 U
18_DW135	135	20-Jan-89	1,750	349.0	770.0	119.5		194.0	
		22-Dec-92	2,100	400.0	727.0	26.6	187.0	187.0	
		22-Dec-92	2,120	409.0	739.0	26.7	188.0	188.0	
		19-Feb-96	2,350	416.0	1000.0	27.0	165.0	201.0	2.0 U
18_DW250	250	20-Jan-89	570	81.0	148.0	13.7		193.0	
		21-Dec-92	702	108.0	161.0	6.0	202.0	202.0	
		6-Jul-93	776	121.0	183.0	6.2	204.0	204.0	
		31-Jan-96	703	104.0	151.0	5.7	212.0	259.0	2.0 U
18_DW350	350	20-Jan-89	580	66.0	153.0	7.1		224.0	
		11-Jan-93	708	87.4	174.0	3.2	228.0		
		15-Jun-93	637	76.8	150.0	3.6	227.0	227.0	
		29-Jan-96	693	103.0	151.0	5.5	229.0	280.0	2.0 U
18_DW450	450	20-Jan-89	580	68.0	148.0	22.6		224.0	
		12-Jan-93	660	72.0	154.0	7.0	230.0		
		30-Jun-93	664	69.1	148.0	6.7	232.0	232.0	
		29-Jan-96	722	91.0	165.0	8.9	251.0	306.0	2.0 U

Table 8-1: SUMMARY OF GENERAL CHEMISTRY ANALYSES
MCAS El Toro Groundwater Monitoring Program

			GENERAL CHEMISTRY PARAMETERS AND REGULATORY STANDARDS All Results in Milligrams per Liter (mg/L)						
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TDS	Chloride	Sulfate	Nitrate/ Nitrite-N	Alkalinity (as $CaCO_3$)	Bicarbonate (as $CaCO_3$)	Carbonate (as $CaCO_3$)
			500	250.0	250.0	10.0			
18_DW540	540	21-Jan-89	630	85.0	148.0	31.4		223.0	
		13-Jan-93	662	85.9	158.0	7.3	230.0	230.0	
		1-Jul-93	665	80.1	150.0	7.7	226.0	226.0	
		30-Jan-96	706	79.0	145.0	9.0	229.0	280.0	2.0 U
18_MCAS01-1	70	6-Feb-89	1,616	132.0	517.0	62.0		434.0	
		19-Oct-89	1,520	141.0	532.0	57.5		409.0	
		14-May-90	1,450	142.0	429.0	48.7		406.0	
		14-May-90	1,450	142.0	429.0				
		11-Nov-90	1,330	136.0	353.0	42.5		375.0	
		17-Jul-91	1,370	131.0	390.0	53.1		373.0	
		22-Sep-92	1,360	151.0	383.0	62.9		195.0	
		23-Nov-93	1,350	164.0	364.0	15.3	422.0	422.0	
		23-Nov-93	1,360			15.6	453.0	453.0	
		24-Jan-96	1,540	189.0	411.0	24.0	455.0	555.0	2.0 U
18_MCAS01-2	160	6-Feb-89	2,590	430.0	779.0	119.5		274.0	
		19-Oct-89	2,470	392.0	727.0	115.1		296.0	
		17-May-90	2,460	474.0	727.0	119.5		274.0	
		11-Nov-90	2,370	380.0	571.0	88.5		258.0	
		21-Mar-91	2,500	400.0	700.0	115.1		226.0	
		17-Jul-91	2,600	470.0	744.0	119.5		210.0	
		22-Sep-92	2,040	448.0	727.0	114.2		135.0	
		24-Nov-93	2,440	459.0	752.0	28.3	304.0	304.0	
		24-Jan-96	2,380	504.0	711.0	39.0	285.0	348.0	2.0 U
18_MCAS01-3	220	6-Feb-89	1,270	344.0	324.0	62.0		170.0	
		19-Oct-89	1,460	389.0	366.0	70.8		144.0	
		17-May-90	1,530	346.0	341.0	75.3		169.0	
		11-Nov-90	1,350	336.0	345.0	62.0		201.0	
		21-Mar-91	1,400	339.0	350.0	62.0		176.0	
		17-Jul-91	1,430	320.0	348.0	66.4		172.0	
		22-Sep-92	1,470	349.0	376.0	73.9		89.0	
		18-Jan-96	1,460	333.0	358.0	19.0	247.0	301.0	2.0 U
18_MCAS01-4	280	7-Feb-89	1,420	270.0	302.0	48.7		192.0	
		19-Oct-89	1,280	303.0	326.0	57.5		175.0	
		17-May-90	1,340	302.0	341.0	48.7		221.0	
		11-Nov-90	1,360	272.0	350.0	62.0		230.0	
		21-Mar-91	1,300	290.0	330.0	53.1		172.0	
		17-Jul-91	1,240	257.0	305.0	53.1		176.0	
		22-Sep-92	1,170	246.0	295.0	55.3		183.0	
		24-Nov-93	1,490	322.0	382.0	18.3	217.0	217.0	
		29-Nov-93	1,140	234.0	310.0	13.4	231.0	231.0	
		18-Jan-96	1,140	224.0	276.0	13.0	240.0	293.0	2.0 U
18_MCAS01-5	340	6-Feb-89	908	153.0	222.0	31.4		188.0	
		19-Oct-89	1,100	245.0	299.0	28.8		199.0	
		17-May-90	946	157.0	200.0	20.8		191.0	
		11-Nov-90	900	138.0	240.0	33.2		220.0	
		21-Mar-91	870	154.0	230.0	30.1		191.0	
		17-Jul-91	858	150.0	216.0	31.9		190.0	
		22-Sep-92	670	151.0	209.0	33.2		189.0	
		18-Jan-96	828	150.0	175.0	8.9	232.0	283.0	2.0 U

Table 8-1: SUMMARY OF GENERAL CHEMISTRY ANALYSES
MCAS El Toro Groundwater Monitoring Program

			GENERAL CHEMISTRY PARAMETERS AND REGULATORY STANDARDS *All Results in Milligrams per Liter (mg/L)*						
Station ID	Base Screen Depth (Ft BGS)	Sample Date	TDS 500	Chloride 250.0	Sulfate 250.0	Nitrate/ Nitrite-N 10.0	Alkalinity (as $CaCO_3$)	Bicarbonate (as $CaCO_3$)	Carbonate (as $CaCO_3$)
18_MCAS01-6	460	6-Feb-89	788	132.0	208.0	0.4 U		178.0	
		19-Oct-89	818	175.0	227.0	0.4 U		157.0	
		14-May-90	800	152.0	195.0	0.4 U		177.0	
		11-Nov-90	1,280	147.0	417.0	2.7		332.0	
		19-Mar-91	1,100	183.0	348.0	0.4		246.0	
		17-Jul-91	964	167.0	279.0	0.4 U		220.0	
		22-Sep-92	802	139.0	197.0	0.4 U		205.0	
		16-Dec-93	740	135.0	188.0	0.1	248.0	248.0	
		18-Jan-96	771	146.0	175.0	0.7	232.0	283.0	2.0 U
18_MCAS01-7	550	6-Feb-89	1,760	329.0	603.0	34.1		229.0	
		19-Oct-89	1,610	316.0	519.0	2.7		265.0	
		14-May-90	1,120	210.0	336.0	0.4 U		258.0	
		14-May-90	1,120	210.0	336.0	U			
		11-Nov-90	1,460	351.0	456.0	0.4 U		66.0	
		19-Mar-91	820	311.0	90.0	0.4		81.0	
		17-Jul-91	826	285.0	10.0	0.4 U		128.0	
		18-Sep-92	722	268.0	1.0	0.4 <		67.0	
		18-Sep-92	722	268.0	1.0				
		1-Dec-93	732	190.0	56.5	0.1 U	266.0	266.0	
		17-Jan-96	680	169.0	175.0	0.1	114.0	139.0	2.0 U
18_MCAS02-1	50	7-Feb-89	1,970	417.0	430.0	137.2		349.0	
		17-Oct-89	1,880	457.0	459.0	124.0		235.0	
		18-May-90	2,050	473.0	513.0	141.7		312.0	
		11-Nov-90	1,980	418.0	477.0	135.0		299.0	
		5-Apr-91	2,070	440.0	440.0	159.4		337.0	
		9-Jul-91	1,980	385.0	469.0	163.8		320.0	
		17-Sep-92	2,140	399.0	536.0	223.6		364.0	
		9-Nov-93	2,250	372.0	553.0	57.1	442.0	442.0	
		30-Jan-96	2,650	453.0	587.0	73.0	472.0	575.0	2.0 U
18_MCAS02-2	140	7-Feb-89	3,120	862.0	767.0	128.4		208.0	
		17-Oct-89	3,140	933.0	830.0	137.2		171.0	
		18-May-90	3,480	841.0	827.0	150.5		200.0	
		10-Nov-90	2,900	844.0	722.0	128.4		212.0	
		5-Apr-91	2,900	795.0	810.0	132.8		226.0	
		9-Jul-91	2,880	732.0	805.0	132.8		141.0	
		17-Sep-92	3,330	768.0	848.0	134.6		220.0	
		9-Nov-93	3,170	647.0	852.0	29.6	276.0	276.0	
		30-Jan-96	2,790	638.0	755.0	31.0	302.0	369.0	2.0 U
18_MCAS02-3	210	7-Feb-89	1,190	274.0	293.0	53.1		171.0	
		17-Oct-89	1,170	276.0	307.0	53.1		164.0	
		18-May-90	1,280	345.0	354.0	84.1		162.0	
		5-Apr-91	1,440	320.0	362.0	79.7		231.0	
		9-Jul-91	1,310	250.0	347.0	75.3		201.0	
		17-Sep-92	1,230	246.0	296.0	71.3		187.0	
		20-Nov-93	1,150	207.0	287.0	17.4	214.0	214.0	
		30-Jan-96	1,690	213.0	256.0	21.0	195.0	238.0	2.0 U
18_MCAS02-4	380	16-Feb-89	898	162.0	221.0	32.3		186.0	
		17-Oct-89	882	172.0	237.0	38.1		181.0	
		18-May-90	1,220	270.0	323.0	57.5		178.0	
		5-Apr-91	1,390	290.0	359.0	62.0		220.0	
		9-Jul-91	1,010	173.0	236.0	48.7		208.0	
		17-Sep-92	945	179.0	211.0	52.7		186.0	
		11-Nov-93	896	160.0	206.0	12.1	215.0	215.0	
		29-Jan-96	984	200.0	208.0	18.0	214.0	262.0	2.0 U