GROUNDWATER MONITORING REPORT
NOVEMBER-DECEMBER 1996 SAMPLING ROUND

Volume I

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

Contract No. N68711-95-D-7530
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GROUNDWATER MONITORING REPORT
NOVEMBER-DECEMBER 1996 SAMPLING ROUND
for
MARINE CORPS AIR STATION
EL TORO, CALIFORNIA

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LIST OF ACRONYMS

BCT	BRAC Cleanup Team
BGS	below ground surface
BRAC	Base Realignment and Closure
BTEX	benzene, toluene, ethylbenzene, and xylenes
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
DVR	Data Validation Report
1,1-DCE	1,1-dichloroethene
1,2-DCE	1,2-dichloroethene
°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
Freon 113	1,1,2-trichloro-1,2,2-trifluoroethane
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
MW	monitoring well
NFESC	Naval Facilities Engineering Service Center
NPL	National Priorities List
NTU	nephelometric turbidity units
OCWD	Orange County Water District
OU	Operable Unit
PCB	polychlorinated biphenyl

LIST OF ACRONYMS (continued)

PCE	tetrachloroethene (also perchloroethylene)
pCi	picoCurie
pH	measures of acidity/alkalinity
QAPP	Quality Assurance Project Plan
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
RPM	remedial project manager
RWQCB	(California) Regional Water Quality Control Board
SAP	Sampling and Analysis Plan
SDG	sample delivery group
SOW	Scope of Work
Station	MCAS El Toro
SVOC	semivolatile organic compound
SWDIV	Southwest Division, Naval Facilities Engineering Command (Department of Navy)
TAL	Target Analyte List
TCE	trichloroethene (also trichloroethylene)
TCL	Target Compound List
TFH	total fuel hydrocarbons
TDS	total dissolved solids
TIC	tentatively identified compound
TPH	total petroleum hydrocarbons
TOC	total organic carbon
TSS	total suspended solids
UG	upgradient (monitoring well)
VOC	volatile organic compound

EXECUTIVE SUMMARY

This Groundwater Monitoring Report presents the results of the November-December 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 October through December 1996 and included the monthly measurement of water levels and the collection and analysis of groundwater samples from the network of 181 monitoring wells/monitoring ports at MCAS El Toro. During this sampling round, groundwater samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, herbicides, general chemistry, dissolved metals, treatability parameters, total petroleum hydrocarbons (TPH), and other site-specific analytes. Comprehensive sampling of the groundwater monitoring wells was last conducted in January-February 1996.

Overall, groundwater elevations in most of the shallow groundwater monitoring wells at MCAS El Toro have shown a consistent increase, ranging from 0.5 to 3 feet, above groundwater levels measured in January 1996. Groundwater elevations in wells completed in the principal aquifer have generally decreased from elevations measured in January 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 and January 1996.

In general, the distribution and concentrations of trichloroethene (TCE), tetrachloroethene (PCE), and carbon tetrachloride detected in November-December 1996 in the on-Station VOC source area are comparable to sampling results from January-February 1996. However, the current TCE results locally indicate minor increases in TCE concentrations in several of the downgradient, off-Station monitoring wells suggesting continuing migration of the regional VOC plume. The current sampling data confirm the presence of a secondary VOC plume

(TCE-PCE) at Site 2 (Magazine Road Landfill). TCE was also detected at low concentrations in certain wells at Site 1, Site 6, and Site 19. Groundwater analyses confirm that benzene and TPH gasoline and diesel were detected at generally low concentrations in several wells located in areas of known fuel contamination (Site 3/4, and Sites 13 and 15).

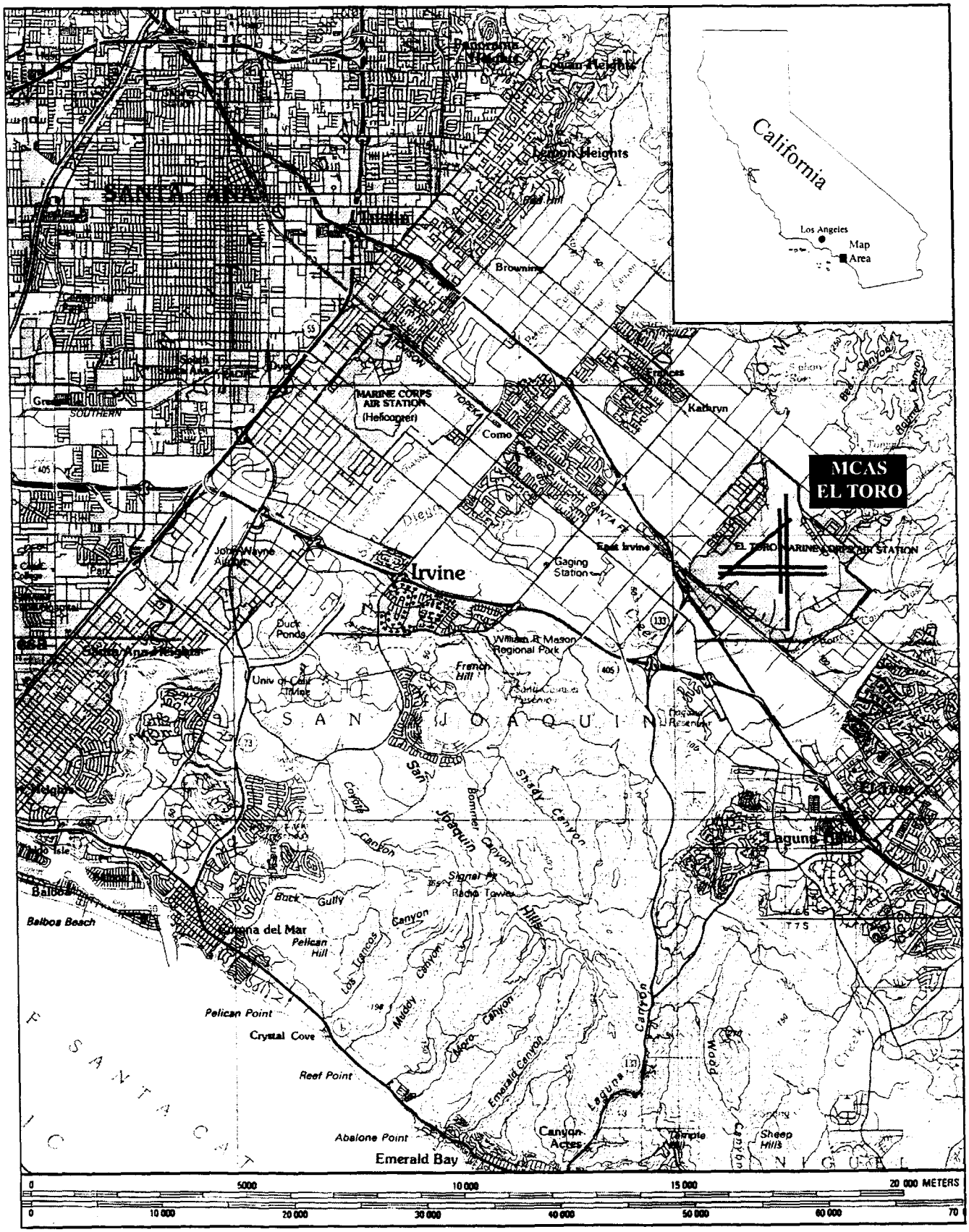
1.0 INTRODUCTION

The results of the November-December 1996 groundwater sampling round conducted at the Marine Corps Air Station (MCAS) in El Toro, California are presented in this 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 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.



Map Source: USGS 30' x 60' Santa Ana sheet, 1983

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Location of Marine Corps Air Station, El Toro

MCAS El Toro Groundwater Monitoring Report

Figure 1-1

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). The first two comprehensive groundwater sampling rounds were conducted in 1992 and 1993 during the Phase I RI under CLEAN I (Rounds 1 and 2). A summary of the 1992-1993 Phase I sampling results and other available chemical analytical data for the regional wells at MCAS El Toro is provided in the *Groundwater Quality Data Report* (Jacobs, 1994).

The results of the third groundwater sampling round (Round 3 of the *Groundwater Monitoring Plan)* are presented in a report entitled *Final Quarterly Groundwater Monitoring Report, January-February 1996 Sampling Round* (CDM Federal, 1996b). An evaluation and discussion of data trends analysis of groundwater monitoring data collected at MCAS El Toro through February 1996 is presented in a companion report entitled *Groundwater Data Trends and Recommendations Report* (CDM Federal, 1996c).

In September 1996, SWDIV issued to CDM Federal a contract modification to perform the fourth and fifth rounds of sampling outlined in the *Final Groundwater Monitoring Plan* (Jacobs, 1995). The fourth sampling round at MCAS El Toro was conducted during November-December 1996. This monitoring report presents the results of the November-December 1996 sampling round and monitoring well water level measurements collected in October, November, and December 1996.

As part of the groundwater monitoring task, CDM Federal performed data validation of 10 percent of the laboratory analyses of groundwater samples collected during this sampling round. The results of the data validation are presented in the Data Validation Report, included as an Appendix to this report.

1.2 SAMPLING PLANS FOR GROUNDWATER MONITORING

The groundwater monitoring and sampling activities were performed according to 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, Data Management* Plan, and an *Investigation-Derived Waste 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 field activity management plans prepared by CDM Federal for the current GWMP were reviewed in October 1995 by SWDIV, 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.

Following discussions between SWDIV and the regulatory agencies in 1996, the fourth and fifth sampling rounds described in the *Final Groundwater Monitoring Plan* were modified to include the additional groundwater monitoring wells installed at MCAS El Toro during the Phase II RI. Additionally, hexavalent chromium (chromium VI) and total petroleum hydrocarbons (TPH) were added to the scope of analyses for the fourth and fifth sampling rounds. In October 1996, the approved groundwater monitoring field plans were amended to reflect the additional well sampling locations and chromium VI and TPH analyses (CDM Federal, 1996d).

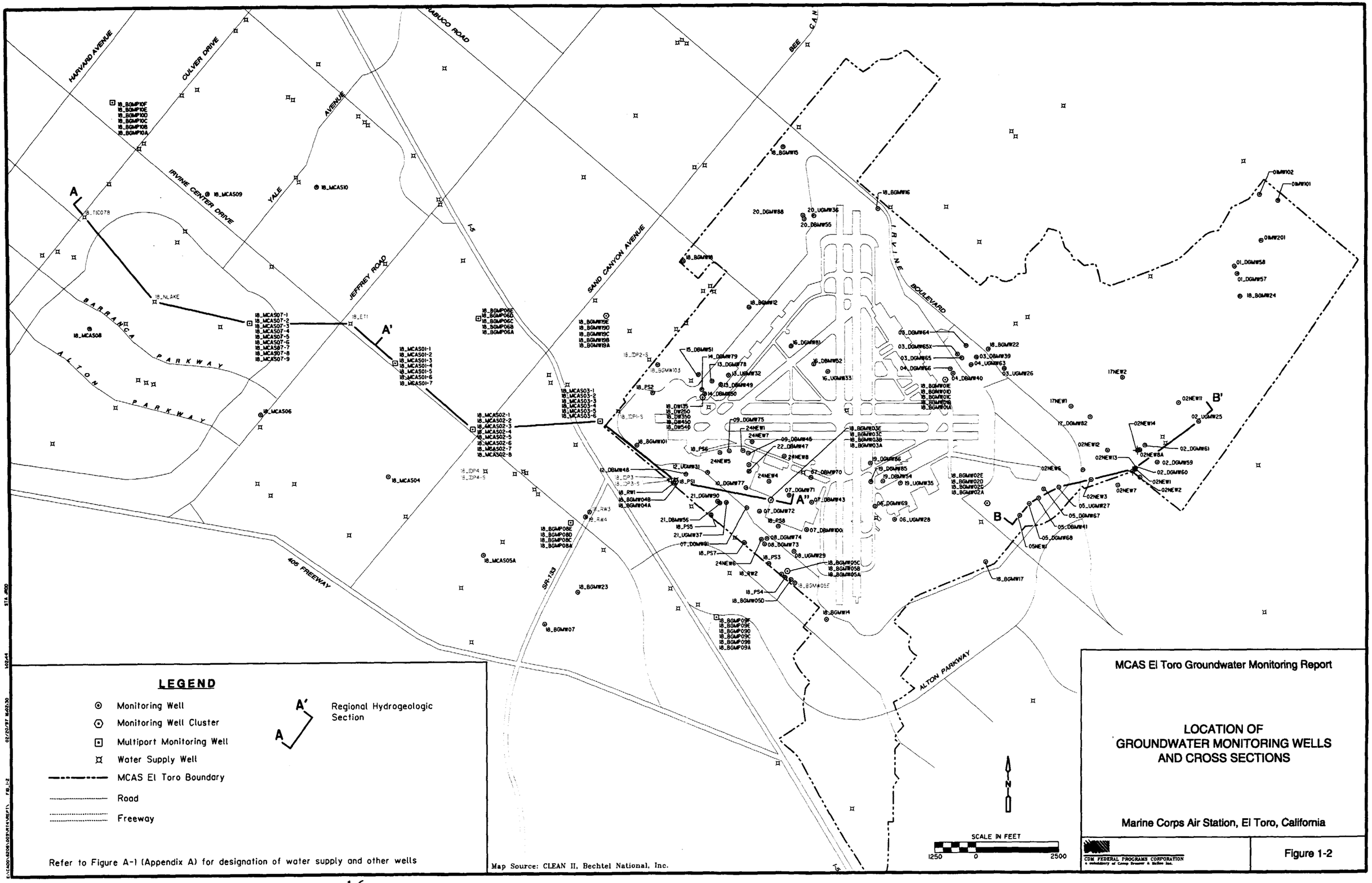
1.3 MONITORING WELL NETWORK

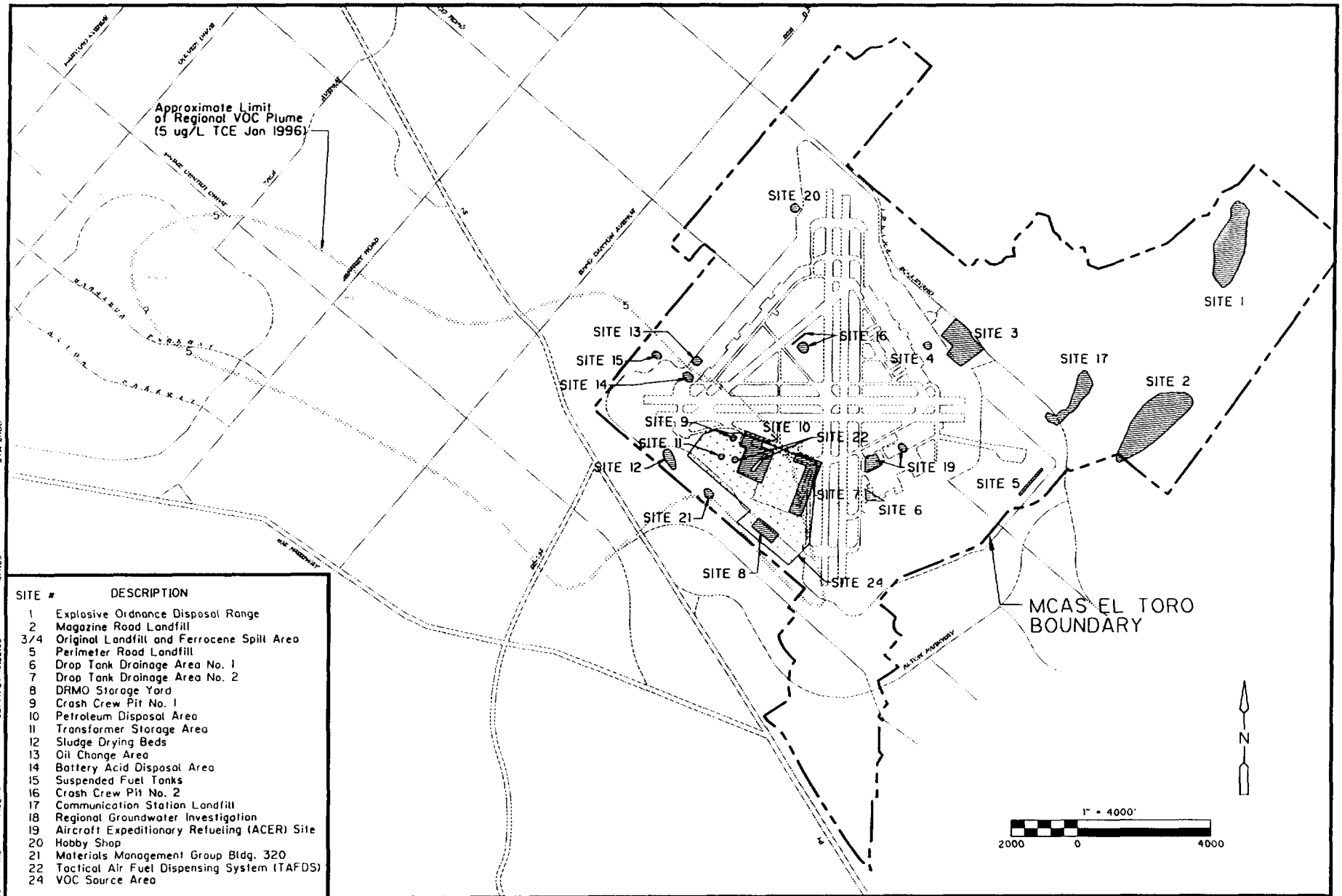
The network of groundwater monitoring wells for the current MCAS El Toro GWMP includes a total of 130 conventional monitoring wells and 8 multiple-level or multiple-port (MP) monitoring wells (containing 51 sampling ports) for a total of 181 monitoring stations. Figure 1-2 indicates the locations of 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);
- Phase II RI wells (installed in 1995-1996), including 20 conventional wells (NEW-series);
- 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 15 conventional wells (designated PS-, RW-, DW-series). Monitoring wells 18 RW3 and 18 RW4, which were originally included in the GWMP, were abandoned in March 1996 and have not been replaced.

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 (including Site 24, VOC Source Area). Figure 1-3 indicates the location of the RI/FS sites and approximate boundary of the regional groundwater VOC plume.

Appendix A of this report contains a summary table (Table A-1) listing well specification and completion information and current pump installation data for wells in the GWMP network. The monitoring wells are designated by site number, well type, and original ownership as described in Table A-1. Also included in Appendix A is a site plan showing the location and designation of GWMP monitoring wells and water supply wells in the study area.


HARVARD AVENUE
CULVER DRIVE
IRVINE CENTER DRIVE
YALE AVENUE
JEFFREY ROAD
SAND CANYON AVENUE
BEE CANYON
IRVINE BOULEVARD
BARRANCA PARKWAY
ALTON PARKWAY
405 FREEWAY
SR-133
I-5
A
A'
A''
B
B'
LEGEND
Monitoring Well
Monitoring Well Cluster
Multiport Monitoring Well
Water Supply Well
MCAS El Toro Boundary
Road
Freeway
Regional Hydrogeologic Section
Refer to Figure A-1 (Appendix A) for designation of water supply and other wells
Map Source: CLEAN II, Bechtel National, Inc.
SCALE IN FEET
1250
0
2500
N
MCAS El Toro Groundwater Monitoring Report
LOCATION OF
GROUNDWATER MONITORING WELLS
AND CROSS SECTIONS
Marine Corps Air Station, El Toro, California
CDM FEDERAL PROGRAMS CORPORATION
Figure 1-2



SITE #	DESCRIPTION
1	Explosive Ordnance Disposal Range
2	Magazine Road Landfill
3/4	Original Landfill and Ferrocene Spill Area
5	Perimeter Road Landfill
6	Drop Tank Drainage Area No. 1
7	Drop Tank Drainage Area No. 2
8	DRMO Storage Yard
9	Crash Crew Pit No. 1
10	Petroleum Disposal Area
11	Transformer Storage Area
12	Sludge Drying Beds
13	Oil Change Area
14	Battery Acid Disposal Area
15	Suspended Fuel Tanks
16	Crash Crew Pit No. 2
17	Communication Station Landfill
18	Regional Groundwater Investigation
19	Aircraft Expeditionary Refueling (ACER) Site
20	Hobby Shop
21	Materials Management Group Bldg. 320
22	Tactical Air Fuel Dispensing System (TAFDS)
24	VOC Source Area

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Marine Corps Air Station, El Toro, California

Figure 1-3
LOCATION OF RI/FS SITES

E:\CADD\5206\009\RT4\REPT\ FIG_1-3 02/14/97 10:22:08 M4.59 STA JRDD

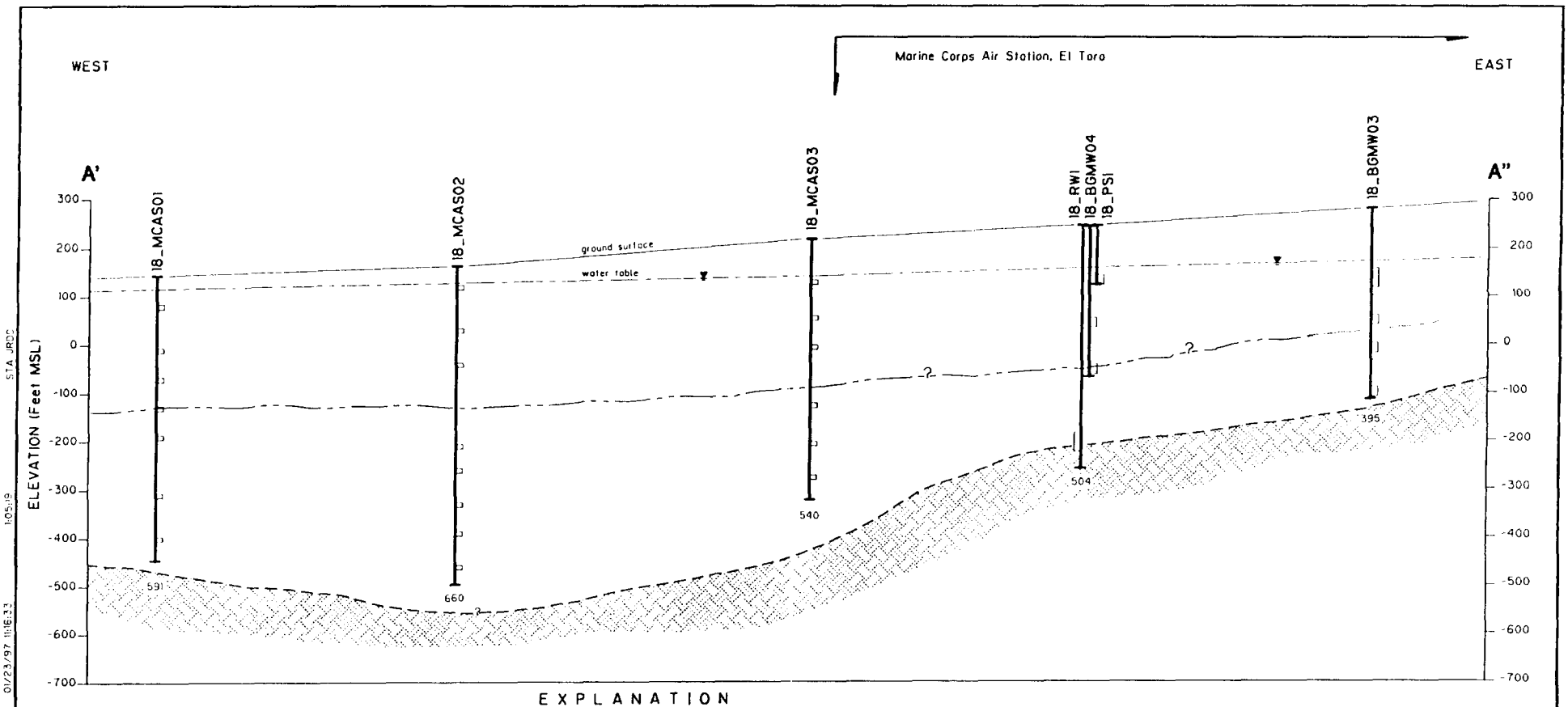
1.4 HYDROGEOLOGIC SETTING

A discussion of the physical setting, hydrogeologic conditions, and hydraulic properties of the aquifer materials and hydrostratigraphic units at MCAS El Toro is 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. 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 1-4). In this portion of the study area, two primary hydrostratigraphic units



EXPLANATION

- Potentiometric surface in upper saturated zone (water table); water levels measured November 1996
- Screen interval of monitoring well/monitoring port
- 660 Total depth of monitoring well/boring, feet BGS
- Unconsolidated alluvial sediments (undifferentiated)
- Semiconsolidated low-permeability sediments (bedrock)
- Approximate boundary between shallow groundwater unit and deeper production aquifer (Principal Aquifer)
- Estimated contact between geologic units

500 0 1000
HORIZONTAL SCALE IN FEET

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Figure 1-4
HYDROGEOLOGIC SECTION A'-A"

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 Figure A-1, Appendix A). Groundwater elevation data suggest that hydraulic communication between the 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 1-5) 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 1-5).

1.5 ORGANIZATION OF REPORT

This Groundwater Monitoring Report summarizes the monitoring activities and presents the results of water level measurements and chemical analyses for the November-December 1996 groundwater sampling round. The content and organization of this report follow the format described in the *Final Groundwater Monitoring Plan* (Jacobs, 1995) 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 Groundwater Monitoring Report.

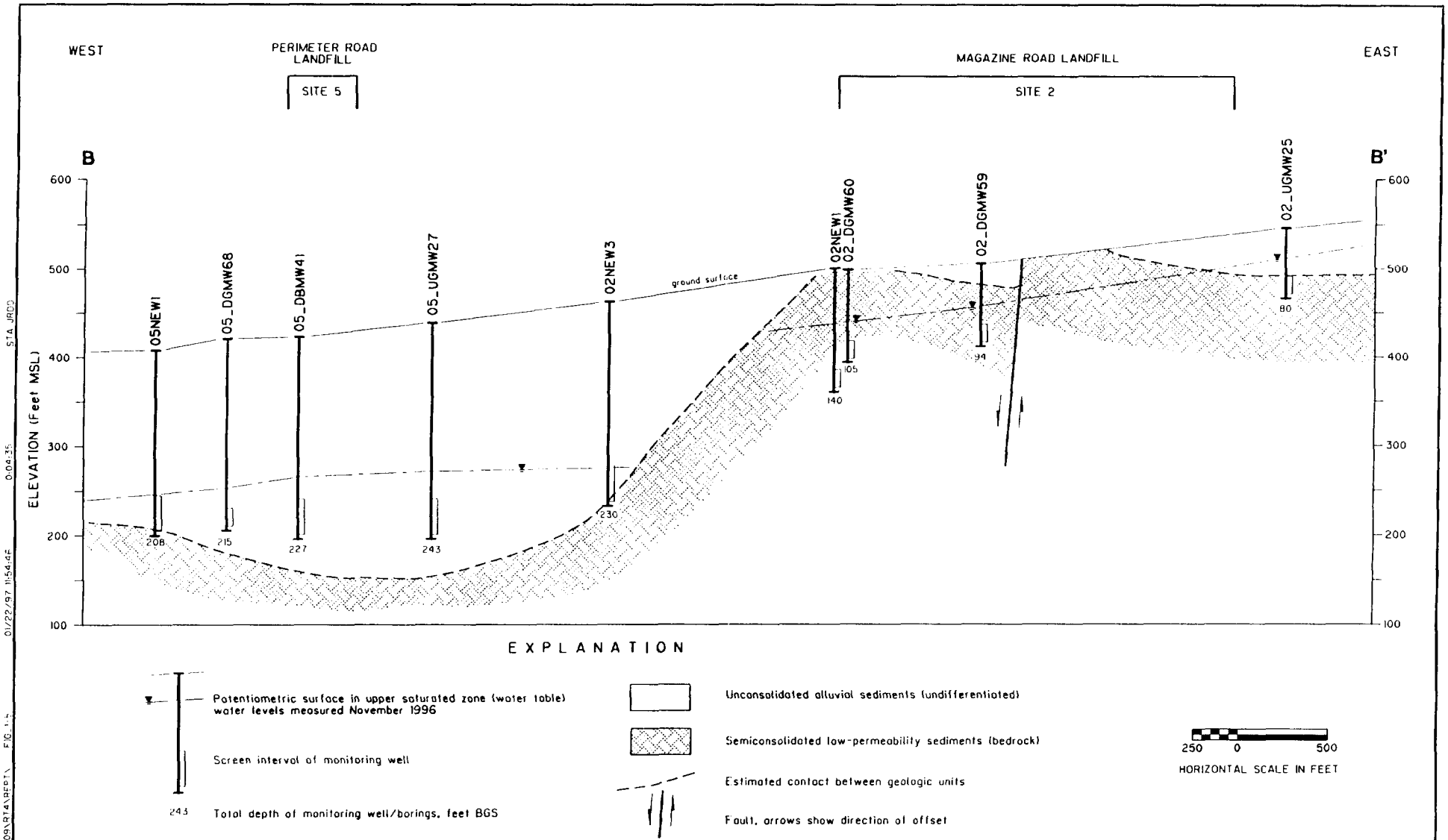

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Figure 1-5
HYDROGEOLOGIC SECTION B-B'

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), total petroleum hydrocarbons (TPH), 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, field parameter measurements, and data validation report, respectively. 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 presented in table format with the prior groundwater sample results, collected from 1988 through 1993, for the GWMP wells. Additionally, analytical results for groundwater samples collected in 1995-1996 during the Phase II RI conducted at Sites 1, 2, 5, 17, and 24 (data reported for CLEAN II; Bechtel, 1996a, 1996b, 1996d, 1996e) have been added to the summary tables. Due to the volume of results to be presented, a summary table format is used for presenting the results individually for each of the organic and inorganic types of analyses. Additional presentation of the groundwater data for the GWMP monitoring wells/monitoring ports and other wells in the study area compiled during the Phase I RI is provided in the *Groundwater Quality Data Report* (Jacobs, 1994).

2.0 SUMMARY OF NOVEMBER-DECEMBER 1996 SAMPLING ROUND

From October through December 1996, CDM Federal monitored and sampled groundwater at MCAS El Toro as part of the current GWMP. The field activities performed comprise groundwater sampling Round 4, as defined in the *Final Groundwater Monitoring Plan* (Jacobs, 1995) and the Navy's Scope of Work (SOW), dated June 27, 1996 and revised August 12, 1996. The groundwater monitoring activities were performed in accordance with the amended *Final Sampling and Analysis Plan* (SAP), *Quality Assurance Project Plan* (QAPP), *Site Health and Safety Plan*, and *Investigation-Derived Waste Management Plan* prepared by CDM Federal for the GWMP (CDM Federal, 1996d).

Round 4 field activities included measurement of water levels and collection and analysis of groundwater samples from the MCAS El Toro groundwater monitoring well network. Two of the off-Station wells identified in the Navy's SOW (18 RW3 and 18 RW4) were abandoned for property development in March 1996 and have not been replaced. Therefore, a total of 181 GWMP wells and monitoring ports are in service for water level measurements and groundwater sampling. Additionally, a limited field study was performed during Round 4 to screen for the presence of dense non-aqueous phase liquids in selected wells.

During the current sampling round, an internal quality assurance field audit of the sampling activities was conducted by CDM Federal on November 15, 1996. Minor deviations in field procedures from the approved amended work plans were identified and brought to the attention of the Navy's remedial project managers (RPMs). The field procedure modifications from the work plans are discussed in Section 9.1.

The following sections describe the groundwater sampling, analyses, and field activities completed for this monitoring round.

2.1 WATER LEVEL MEASUREMENTS

Water levels were measured in the GWMP monitoring wells and ports during the following three monthly monitoring periods: October 20-31 and November 1, 1996; November 26-27, 1996; and December 26-27, 1996. In addition, depth-to-water measurements were made during well sampling. The results of the monthly water level measurements are discussed in Section 3.0 and reported in Appendix B. Following is a summary of the three monthly water level surveys:

- On October 30-31 and November 1, 1996, water levels were measured at 173 monitoring wells and ports. Field teams could not locate two wells at Site 24 (24 NEW4 and 24 NEW6). Field teams were unable to collect water level measurements at two off-Station wells (18 MCAS05A and 18 MCAS09) because a special tool to access these wells was not available from the Orange County Water District. One multiport well (18 BGMP08) was inaccessible because of recent rain storms.

- On November 26-27, 1996, water levels were measured at 180 wells and ports. Field teams were unable to collect a water level measurement at one well (18 PS3) because of an obstruction in the well casing.

- On December 26-27, 1996, water levels were measured at 178 wells and ports. One well at Site 2 (02 NEW7) was not measured because of its location on private property. One well (18 BGMW5E) was not accessible because a vehicle was parked over it and the casing of one well (18 PS3) was still obstructed preventing measurement.

2.2 GROUNDWATER SAMPLING AND ANALYSES

Groundwater samples were collected from 178 GWMP monitoring wells and ports specified in the Navy's SOW and the amended SAP (CDM Federal 1996d). Three monitoring wells in the GWMP were not sampled during Round 4. Two wells contained inoperative pumps (06 DGMW69 and 13 UGMW32) and one off-Station well (18 BGMW07) was inaccessible because of a locked gate. During Round 4, two additional wells (02 NEW13 and 02 NEW14)

were sampled at the request of the California DTSC for volatile organic compounds (VOCs) only.

Groundwater samples were analyzed for a variety of organic and inorganic parameters as summarized in Table 2-1. All samples collected were submitted to a Naval Facilities Engineering Service Center approved laboratory for analysis. Analytical results are presented in Sections 4.0 through 8.0 and laboratory certified analytical reports are included in Appendix E (Volume II). Well purging and sampling logs are provided in Appendix F (Volume II).

A total of 178 GWMP monitoring wells and ports and the two Site 2 extraction wells (02 NEW13 and 02 NEW14) were sampled for VOCs using the U.S. EPA Contract Laboratory Program (CLP) method, and included analysis for Freon 113. Additionally, all of the GWMP wells and ports were sampled for general chemistry parameters. Metals and hexavalent chromium samples were collected at selected wells and were filtered by a disposable groundwater filter in the field. As presented in Table 2-1, samples were also collected from selected wells for semivolatile organic compounds (SVOCs), pesticides, herbicides, and site-specific analyses, including gross alpha, gross beta, treatability parameters, TPH diesel, and TPH gasoline. Holding time for hexavalent chromium analysis was exceeded on four wells (02 NEW1, 02 DGM59, 03 DGMW64, and 02 NEW11) and two wells (18 BGMW01D and 18 BGMW01E) for nitrate/nitrite analysis. These wells were resampled and analyzed within holding times for the analytes previously described.

Field teams used the YSI 6000 Environmental Monitoring System with a flow-through chamber to measure field parameters during groundwater sampling. Instruments were calibrated daily and performed properly throughout the sampling round. Field parameters measured during purging were temperature, pH, electrical conductivity, turbidity, dissolved oxygen, and redox potential. Appendix C presents the results of the field parameter measurements. Field teams recorded dissolved oxygen in the field as percent saturation.

Conversion of percent saturation to milligrams per liter (mg/L) of dissolved oxygen was conducted after the field activity and is reported in Appendix C.

Groundwater samples were collected daily and transported by courier directly to Applied P&CH Laboratory (APCL) in Chino, California, for analysis. Samples requiring radioactive analysis were transported by courier to Truesdail Laboratories in Irvine, California.

Six wells were identified as containing inoperative pumps during Round 4. The pumps at four of these wells (02 NEW7, 16 DGMW81, 18 BGMW05A, and 18 BGMW18) were removed by a CLEAN II contractor (OHM Remediation Services). On January 8-9, 1997, these wells were purged by OHM Remediation Services using a portable submersible pump and sampled by CDM Federal. The remaining two wells (06 DGMW69 and 13 UGMW32) still contain inoperative pumps and were not sampled. Removal or repair of these pumps is necessary to perform groundwater sampling at these two wells.

During the November-December 1996 sampling round, the following samples and/or analyses, specified in the amended SAP, were not collected:

- The subcontract laboratory did not perform the ammonia analysis for the treatability parameter samples collected at wells 02 DGMW59, 02 DGMW60, 02 DGMW61, 02 UGMW25, 02 NEW01, 02 NEW03, 02 NEW06, 02 NEW08A, 02 NEW12, 03 DGMW65X, 04 DBMW40, and 04 DGMW66.
- Samples for SVOC analyses were not collected at wells 02 NEW12, 17 NEW1, and 22 DBMW47.

2.3 LOW-FLOW WELL PURGING

Low-flow purging and sampling was conducted at 33 wells during this sampling round. The objective of the low-flow purging procedure is to remove well casing water from the monitoring screen interval at a rate that matches the aquifer recharge rate and to collect representative groundwater samples with minimal disturbance and low turbidity. Low-flow

purging was performed following a project-specific SOP included in the amended QAPP (CDM Federal, 1996d). All monitoring wells at Site 2 (total 12 wells) were sampled employing the low-flow purge technique. Low-flow purging and sampling was also conducted at 21 additional monitoring wells equipped with dedicated 2-inch RediFlo2 pumps (see sampling logs, Appendix F).

2.4 DENSE NON-AQUEOUS PHASE LIQUID SCREENING

Dense non-aqueous phase liquid (DNAPL) screening was conducted at eight wells during the Round 4 field activity. The eight wells screened for the presence of DNAPL were 07 DGMW71, 09 DBMW45, 22 DGMW47, 24 AS2A, 24 AS21, 24 NEW1, 24 NEW4, and 24 NEW5. DNAPL screening was attempted on Well 18 BGMW03E; however the interface probe was too large to fit in the well casing equipped with a dedicated pump.

DNAPL measurements were recorded at 10-foot increments in the water column. The eight wells screened displayed no evidence of DNAPL present in the water column. DNAPL well screening field data sheets are included in Appendix F (Volume II).

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

		ANALYSES								
Station ID	Date Sampled	VOCs	SVOCs	Pesticides	Herbicides	Gross Alpha Gross Beta	Metals	General Chemistry	Treatability Parameters	TPH
01_DGMW57	20-Nov-96	1	1			1	1	1		
01_DGMW58	18-Nov-96	1	1			1	1	1		
01MW101	20-Nov-96	1	1			1	1	1		
01MW102	20-Nov-96	1	1			1	1	1		
01MW201	18-Nov-96	1	1			1	1	1		
02_DGMW59	4-Nov-96	1	1	1	1	1	1	1	1	
02_DGMW60	4-Nov-96	1	1	1	1	1	1	1	1	
02_DGMW61	4-Nov-96	1	1	1	1	1	1	1	1	
02_UGMW25	12-Nov-96	1	1	1	1	1	1	1	1	
02NEW1	4-Nov-96	1	1	1	1	1	1	1	1	
02NEW2	26-Nov-96	1	1	1	1	1	1	1	1	
02NEW3	7-Nov-96	1	1	1	1	1	1	1	1	
02NEW6	7-Nov-96	1	1	1	1	1	1	1	1	
02NEW7	8-Jan-97	1	1	1	1	1	1	1	1	
02NEW8A	7-Nov-96	1	1	1	1	1	1	1	1	
02NEW11	12-Nov-96	1	1	1	1	1	1	1	1	
02NEW12	7-Nov-96	1		1	1	1	1	1	1	
03_DBMW39	12-Nov-96	1	1	1	1	1	1	1	1	
03_DGMW64	12-Nov-96	1	1	1	1	1	1	1	1	1
03_DGMW65X	11-Nov-96	1	1	1	1	1	1	1	1	
03_UGMW26	14-Nov-96	1	1	1	1	1	1	1	1	
04_DBMW40	12-Nov-96	1	1	1	1	1	1	1	1	
04_DGMW66	12-Nov-96	1	1	1	1	1	1	1	1	
04_UGMW63	14-Nov-96	1	1	1	1	1	1	1	1	1
05_DBMW41	13-Nov-96	1	1	1	1	1	1	1	1	
05_DGMW67	13-Nov-96	1	1	1	1	1	1	1	1	
05_DGMW68	15-Nov-96	1	1	1	1	1	1	1	1	
05_UGMW27	13-Nov-96	1	1	1	1	1	1	1	1	
05NEW1	13-Nov-96	1	1	1	1	1	1	1	1	
06_DGMW69	Not Sampled									
06_UGMW28	4-Dec-96	1	1					1		
07_DBMW43	21-Nov-96	1						1		
07_DGMW70	21-Nov-96	1						1		1
07_DBMW71	21-Nov-96	1						1		
07_DGMW72	21-Nov-96	1	1					1	1	
07_DGMW91	21-Nov-96	1						1	1	
07_DBMW100	14-Nov-96	1						1		
08_DGMW73	2-Dec-96	1					1	1	1	
08_DGMW74	13-Nov-96	1					1	1	1	
08_UGMW29	25-Nov-96	1		1			1	1		
09_DBMW45	18-Nov-96	1						1	1	
09_DGMW75	4-Dec-96	1						1	1	

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

		ANALYSES								
Station ID	Date Sampled	VOCs	SVOCs	Pesticides	Herbicides	Gross Alpha Gross Beta	Metals	General Chemistry	Treatability Parameters	TPH
10_DGMW77	4-Dec-96	1	1					1	1	
12_DBMW48	13-Nov-96	1					1	1	1	
12_UGMW31	13-Nov-96	1			1		1	1	1	
13_DBMW49	19-Nov-96	1	1				1	1	1	
13_DGMW78	19-Nov-96	1					1	1	1	
13_UGMW32	Not Sampled									
14_DBMW50	19-Nov-96	1					1	1	1	
14_DGMW79	19-Nov-96	1					1	1	1	
15_DBMW51	4-Dec-96	1	1				1	1	1	
16_DBMW52	25-Nov-96	1					1	1	1	
16_DGMW81	8-Jan-97	1					1	1	1	1
16_UGMW33	25-Nov-96	1					1	1		
17_DGMW82	20-Nov-96	1	1	1	1	1	1	1	1	
17NEW1	20-Nov-96	1		1	1	1	1	1		
17NEW2	20-Nov-96	1	1	1	1	1	1	1		
18_BGMP06A	8-Nov-96	1						1		
18_BGMP06B	8-Nov-96	1						1		
18_BGMP06C	8-Nov-96	1						1		
18_BGMP06D	8-Nov-96	1						1		
18_BGMP06E	8-Nov-96	1						1		
18_BGMP08A	7-Nov-96	1						1		
18_BGMP08C	7-Nov-96	1			1			1		
18_BGMP08D	7-Nov-96	1						1		
18_BGMP08E	7-Nov-96	1						1		
18_BGMP09A	13-Nov-96	1						1		
18_BGMP09B	13-Nov-96	1						1		
18_BGMP09C	13-Nov-96	1						1		
18_BGMP09D	13-Nov-96	1						1		
18_BGMP09E	13-Nov-96	1						1		
18_BGMP09F	13-Nov-96	1						1		
18_BGMP10A	19-Nov-96	1						1		
18_BGMP10B	19-Nov-96	1	1					1		
18_BGMP10C	19-Nov-96	1						1		
18_BGMP10D	19-Nov-96	1	1					1		
18_BGMP10E	19-Nov-96	1						1		
18_BGMP10F	19-Nov-96	1						1		
18_BGMW01A	8-Nov-96	1	1					1		1
18_BGMW01B	6-Nov-96	1	1					1		1
18_BGMW01C	5-Nov-96	1	1					1		1
18_BGMW01D	1-Nov-96	1	1					1		1
18_BGMW01E	1-Nov-96	1	1	1				1		

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

		ANALYSES								
Station ID	Date Sampled	VOCs	SVOCs	Pesticides	Herbicides	Gross Alpha Gross Beta	Metals	General Chemistry	Treatability Parameters	TPH
18_BGMW02A	19-Nov-96	1	1		1			1		1
18_BGMW02C	5-Nov-96	1						1		
18_BGMW02D	6-Nov-96	1	1					1		
18_BGMW02E	1-Nov-96	1	1					1		1
18_BGMW03A	7-Nov-96	1						1		
18_BGMW03B	7-Nov-96	1	1					1		1
18_BGMW03C	7-Nov-96	1	1					1		
18_BGMW03E	21-Nov-96	1						1	1	1
18_BGMW04A	11-Nov-96	1						1		
18_BGMW04B	14-Nov-96	1	1					1		
18_BGMW05A	9-Jan-97	1	1					1		1
18_BGMW05B	7-Nov-96	1						1		
18_BGMW05C	7-Nov-96	1	1					1		
18_BGMW05D	4-Dec-96	1						1		1
18_BGMW07	Not Sampled									
18_BGMW12	25-Nov-96	1						1		1
18_BGMW14	15-Nov-96	1						1		
18_BGMW15	8-Nov-96	1	1					1		
18_BGMW16	14-Nov-96	1	1		1			1		1
18_BGMW17	8-Nov-96	1						1		
18_BGMW18	9-Jan-97	1						1		1
18_BGMW19A	4-Nov-96	1						1		
18_BGMW19B	4-Nov-96	1	1					1		1
18_BGMW19C	5-Nov-96	1	1	1				1		
18_BGMW19D	4-Nov-96	1						1		
18_BGMW19E	20-Nov-96	1		1				1		1
18_BGMW22	14-Nov-96	1	1					1		1
18_BGMW23	5-Dec-96	1						1		
18_BGMW24	26-Nov-96	1						1		
18_BGMW101	14-Nov-96	1	1					1		
18_DW135	5-Nov-96	1						1	1	
18_DW250	5-Nov-96	1	1					1		1
18_DW350	6-Nov-96	1	1					1		1
18_DW450	5-Nov-96	1	1					1		1
18_DW540	6-Nov-96	1	1					1		
18_MCAS01-1	18-Nov-96	1						1		
18_MCAS01-2	18-Nov-96	1						1		
18_MCAS01-3	18-Nov-96	1						1		
18_MCAS01-4	18-Nov-96	1						1		
18_MCAS01-5	18-Nov-96	1						1		
18_MCAS01-6	15-Nov-96	1						1		
18_MCAS01-7	15-Nov-96	1						1		

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

		ANALYSES								
Station ID	Date Sampled	VOCs	SVOCs	Pesticides	Herbicides	Gross Alpha Gross Beta	Metals	General Chemistry	Treatability Parameters	TPH
18_MCAS02-1	12-Nov-96	1						1		
18_MCAS02-2	12-Nov-96	1						1		
18_MCAS02-3	12-Nov-96	1						1		
18_MCAS02-4	12-Nov-96	1						1		
18_MCAS02-5	12-Nov-96	1						1		
18_MCAS02-6	12-Nov-96	1						1		
18_MCAS02-7	12-Nov-96	1						1		
18_MCAS02-8	12-Nov-96	1						1		
18_MCAS03-1	6-Nov-96	1						1		
18_MCAS03-2	6-Nov-96	1	1					1		
18_MCAS03-3	6-Nov-96	1	1					1		
18_MCAS03-4	6-Nov-96	1						1		
18_MCAS03-5	6-Nov-96	1						1		
18_MCAS03-6	6-Nov-96	1						1		
18_MCAS04	19-Nov-96	1	1					1		
18_MCAS05A	20-Nov-96	1	1					1		
18_MCAS06	19-Nov-96	1	1					1		
18_MCAS07-1	20-Nov-96	1						1		
18_MCAS07-2	20-Nov-96	1						1		
18_MCAS07-3	20-Nov-96	1						1		
18_MCAS07-4	20-Nov-96	1						1		
18_MCAS07-5	11-Nov-96	1						1		
18_MCAS07-6	11-Nov-96	1						1		
18_MCAS07-7	11-Nov-96	1	1					1		
18_MCAS07-8	11-Nov-96	1	1					1		
18_MCAS07-9	11-Nov-96	1	1					1		
18_MCAS08	20-Nov-96	1	1					1		
18_MCAS09	19-Nov-96	1	1					1		
18_MCAS10	19-Nov-96	1	1					1		
18_PS1	25-Nov-96	1						1		
18_PS2	25-Nov-96	1	1					1		
18_PS3	8-Jan-97	1						1		
18_PS4	5-Dec-96	1						1		
18_PS5	11-Nov-96	1	1					1		1
18_PS6	25-Nov-96	1						1		
18_PS7	8-Nov-96	1	1	1				1		
18_PS8	25-Nov-96	1	1					1		
18_RW1	8-Nov-96	1	1		1			1		
18_RW2	8-Nov-96	1	1					1		
19_DBMW54	3-Dec-96	1						1	1	
19_DGMW85	3-Dec-96	1						1	1	
19_DGMW86	3-Dec-96	1						1		
19_UGMW35	21-Nov-96	1						1	1	

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

		ANALYSES								
Station ID	Date Sampled	VOCs	SVOCs	Pesticides	Herbicides	Gross Alpha Gross Beta	Metals	General Chemistry	Treatability Parameters	TPH
20_DBMW55	14-Nov-96	1	1					1	1	
20_DGMW88	25-Nov-96	1	1					1		
20_UGMW36	14-Nov-96	1						1		1
21_DBMW56	13-Nov-96	1						1		
21_DGMW90	26-Nov-96	1						1		
21_UGMW37	11-Nov-96	1						1		
22_DBMW47	2-Dec-96	1						1	1	
24NEW1	2-Dec-96	1					1	1	1	
24NEW4	3-Dec-96	1					1	1	1	
24NEW5	2-Dec-96	1					1	1	1	
24NEW6	2-Dec-96	1					1	1	1	
24NEW7	2-Dec-96	1					1	1	1	
24NEW8	2-Dec-96	1					1	1	1	
Total Samples		**178**	**79**	**32**	**32**	**32**	**51**	**178**	**54**	**25**

1. Analytical Parameters and Methods:
   a) Volatile organic compounds (VOCs) plus Freon 113 by CLP SOW Version OLM03.0 for VOCs.
   b) Semivolatile organic compounds (SVOCs) by CLP SOW Version OLM03.0 for SVOCs.
   c) Organochlorine Pesticides and PCBs by CLP SOW Version OLM03.0 for Pesticides and PCBs.
   d) Chlorinated Herbicides by EPA Method 8150.
   e) Gross Alpha by SM7110C/Gross Beta by EPA Method 900.
   f) Metals (Target Analyte List) by CLP SOW Version ILM03.0 for Metals (filtered samples); and Hexavalent Chromium by SM7196.
   g) General Chemistry includes: Nitrate/Nitrite (as N), Chloride, Sulfate by EPA Method 300.0; Carbonate and Bicarbonate by SM2320B; Alkalinity by EPA Method 310.1, and Total Dissolved Solids (TDS) by EPA Method 160.1.
   h) Treatability Parameters include: Chemical Oxygen Demand (COD) by EPA Method 410.4, Total Organic Carbon (TOC) by EPA Method 415.1, Ammonia-Nitrogen by EPA Method 350.2, Phosphate by EPA Method 300.0, Silica (dissolved) by EPA Method 370.1, Strontium by EPA Method 905.0, Radon by EPA Method 913.0, Total Suspended Solids (TSS) by EPA Method 160.2, and Color by EPA Method 110.2.
   i) Total Petroleum Hydrocarbons (TPH), gasoline and diesel by Modified Method 8015.

2. Wells from which duplicate samples were collected:

03_DGMW64	07_DGMW70	18_BGMW23	18_PS4
03_UGMW26	08_DGMW73	18_BGMW24	18_PS6
04_UGMW63	13_DBMW49	18_BGMW101	19_DGMW86
06_UGMW28	18_BGMW14	18_MCAS05A	20_DGMW88

3. Wells that were not sampled during Round 4:
   06_DGMW69 (inoperative well pump)
   13_UGMW32 (inoperative well pump)
   18_BGMW07 (access restricted)

4. GWMP wells 18_RW3 and 18_RW4 were abandoned in March 1996 and have not been replaced.

3.0 RESULTS OF WATER LEVEL MEASUREMENTS

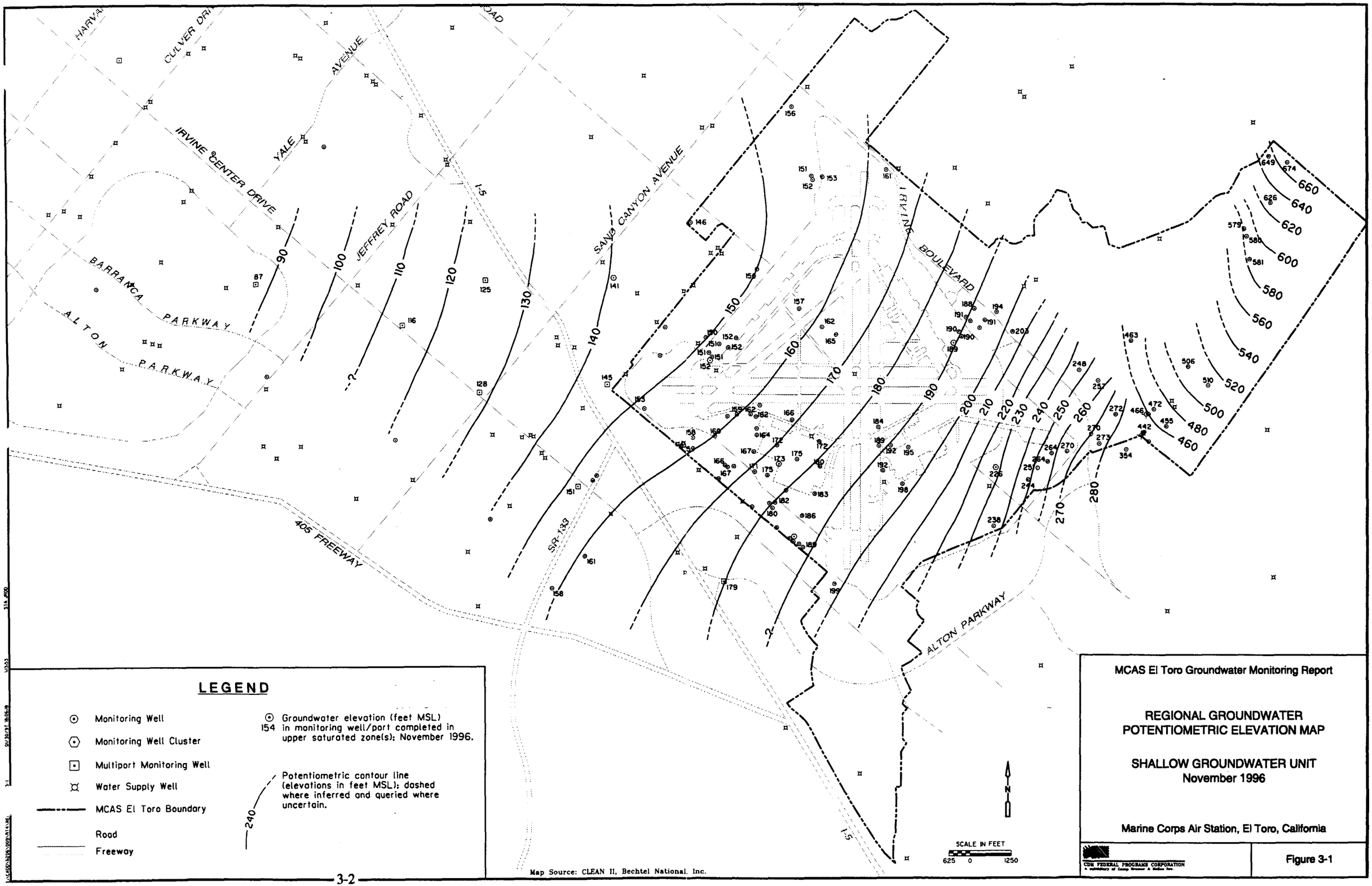
Water level measurements were collected in October, November, and December 1996 during the recent groundwater monitoring period to obtain groundwater elevation data to evaluate hydraulic gradient/groundwater flow conditions at MCAS El Toro. This section presents the groundwater elevation results and provides potentiometric elevation contour maps for the shallow groundwater unit and the principal aquifer.

The water level measurements and corresponding groundwater elevations for the GWMP wells during the October through December 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. Additionally, denser than water, non-aqueous phase liquids (DNAPLs) were not observed in the selected set of monitoring wells screened during this monitoring round (see Section 2.4).

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 October through December 1996, the elevation of groundwater in the shallow zone wells generally increased, on the order of 0.5 to 1.0 feet.

A potentiometric elevation map for the shallow groundwater unit generated in November 1996 is shown in Figure 3-1. Consistent with previous data presented in the *Final Groundwater Monitoring Plan* (Jacobs, 1995), the hydraulic gradient is steepest, averaging 0.030 feet/foot (ft/ft), in the foothill and edge-of-basin areas (eastern portion of the Station). The gradient

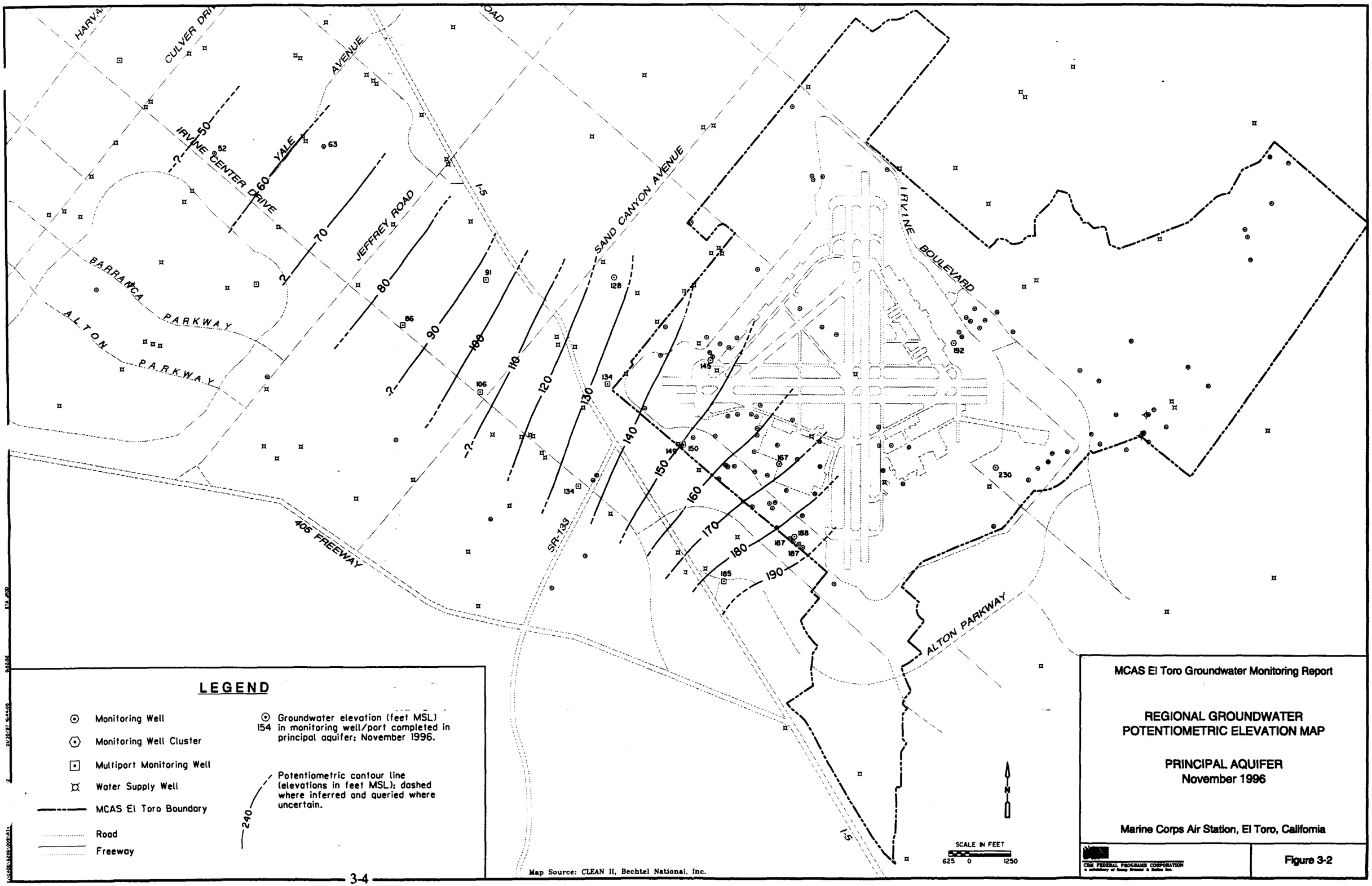

HARVARD
CULVER DRIVE
ROAD
AVENUE
YALE
IRVINE CENTER DRIVE
JEFFREY ROAD
I-5
SAND CANYON AVENUE
IRVINE BOULEVARD
BARRANCA PARKWAY
ALTON PARKWAY
405 FREEWAY
SR-133
ALTON PARKWAY
I-5
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
260
270
280
460
480
500
520
540
560
580
600
620
640
660
N
SCALE IN FEET
625 0 1250
LEGEND
Monitoring Well
Monitoring Well Cluster
Multiport Monitoring Well
Water Supply Well
MCAS El Toro Boundary
Road
Freeway
154 Groundwater elevation (feet MSL) in monitoring well/port completed in upper saturated zone(s); November 1996.
240 Potentiometric contour line (elevations in feet MSL); dashed where inferred and queried where uncertain.
Map Source: CLEAN II, Bechtel National, Inc.
MCAS El Toro Groundwater Monitoring Report
REGIONAL GROUNDWATER POTENTIOMETRIC ELEVATION MAP
SHALLOW GROUNDWATER UNIT
November 1996
Marine Corps Air Station, El Toro, California
CDM FEDERAL PROGRAMS CORPORATION
Figure 3-1

decreases to an average 0.007 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 October through December 1996, the elevation of groundwater in the principal aquifer monitoring wells generally increased on the order of 2.0 to 15.0 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 November 1996 is shown in Figure 3-2. Consistent with previous data presentation in the *Final Groundwater Monitoring Plan* (Jacobs, 1995), 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 0.008 ft/ft in the on-Station area to 0.005 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).



MCAS El Toro Groundwater Monitoring Report

REGIONAL GROUNDWATER POTENTIOMETRIC ELEVATION MAP

PRINCIPAL AQUIFER
November 1996

Marine Corps Air Station, El Toro, California

CDM FEDERAL PROGRAMS CORPORATION
a subsidiary of Camp Dresser & McKee Inc.

Figure 3-2

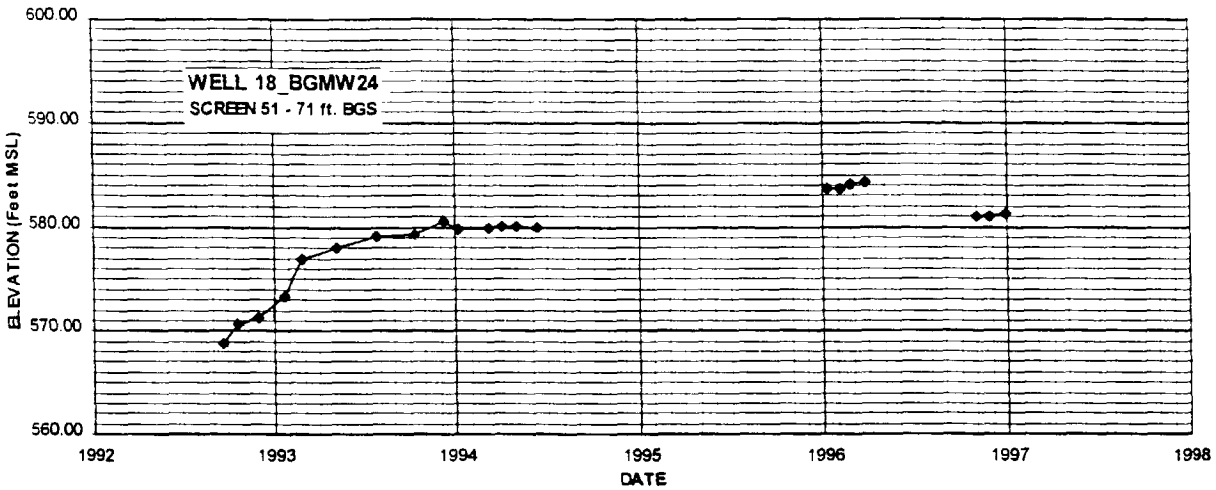
3.3 GROUNDWATER ELEVATION HYDROGRAPHS

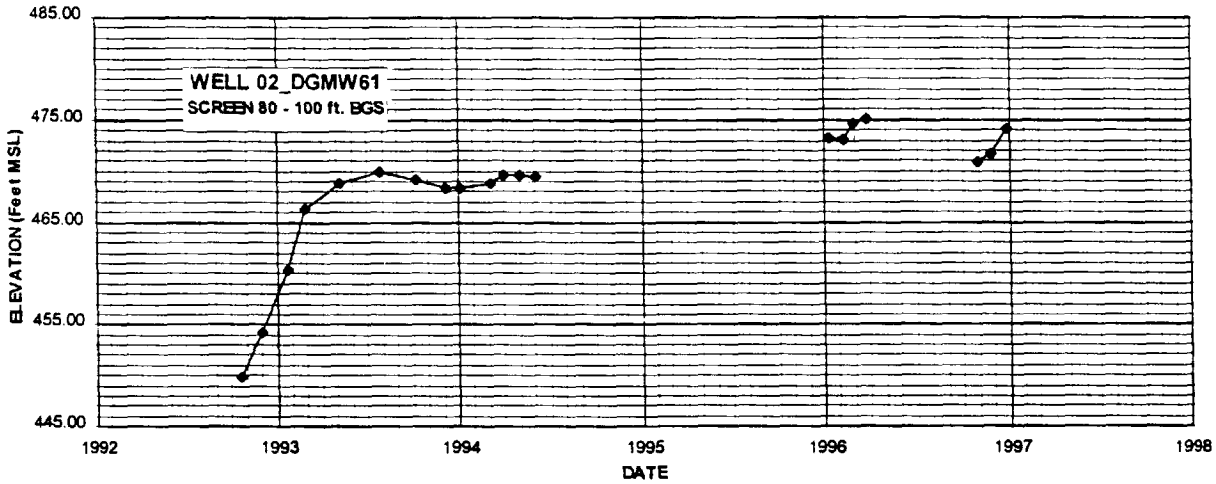
Groundwater elevation hydrographs for selected monitoring wells were prepared to evaluate regional groundwater conditions and specific water level trends at MCAS El Toro.

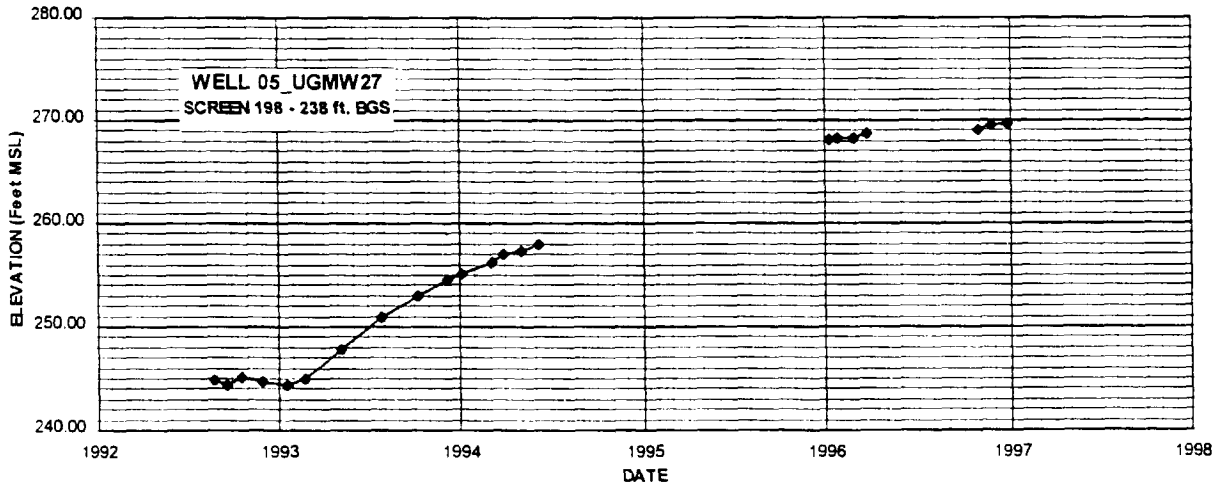
Upgradient Monitoring Wells. Figure 3-3 presents hydrographs for three wells located in the foothills/eastern portion of the Station. Wells 18 BGMW24 and 02 DGMW61 are completed in the shallow groundwater unit in the low-permeability sediments (bedrock zone unit). Well 05 UGMW27 is completed in the shallow groundwater unit in the unconsolidated alluvial sediments typical of the edge-of-basin areas. Water levels measured in early 1996 indicate a general increasing elevation trend for the shallow groundwater unit in the upgradient area. For the monitoring wells completed in the bedrock saturated zone, the October through December 1996 water levels have declined relative to early 1996 levels.

Monitoring Well Clusters. Figure 3-4 shows hydrographs for three wells completed at well cluster 18 BGMW02. A very consistent and gradually increasing elevation trend is indicated for the upper, intermediate, and deep wells at this location. Water level monitoring in early 1996 and in October-December 1996 confirm a generally increasing water level trend for the saturated zones at this location.

Wells in VOC Source Area. Figure 3-5 presents hydrographs for three monitoring wells located in the VOC source area in the southwest portion of the Station. The water levels in the wells completed in the shallow groundwater unit (07 DGMW72 and 09 DBMW45) indicate a consistent increasing trend over the 1992-94 period which appears to be continuing through December 1996. The water level measurements in Well 18 BGMW04B (intermediate depth completion) indicate fluctuations probably due to seasonal response to nearby pumping. Relative to early 1996 water levels, a pronounced decline in groundwater elevation occurred at this well in October 1996.







1992 - 1994 data from SWDIV (1994)

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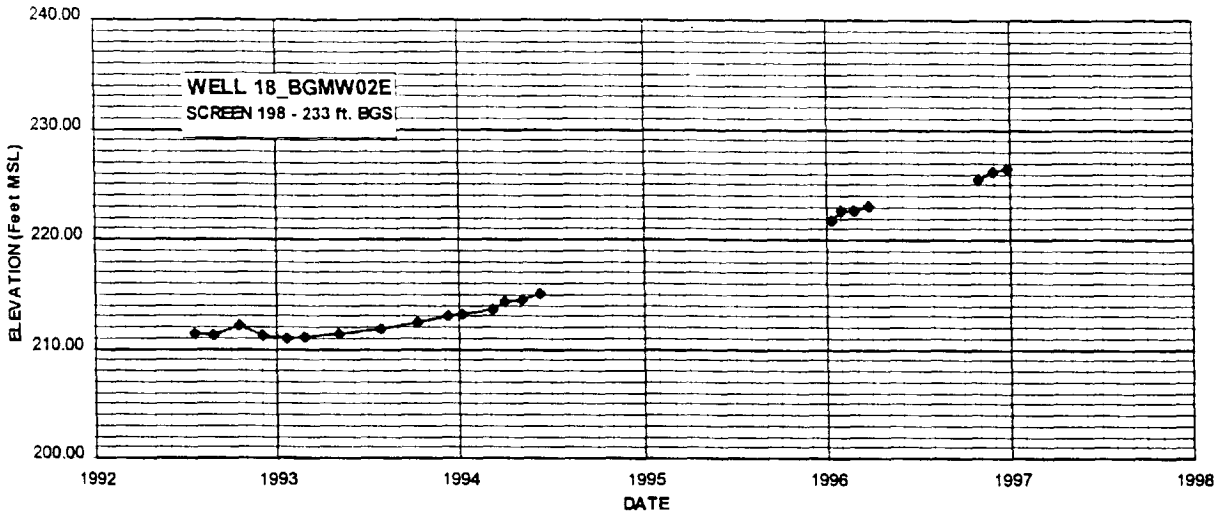
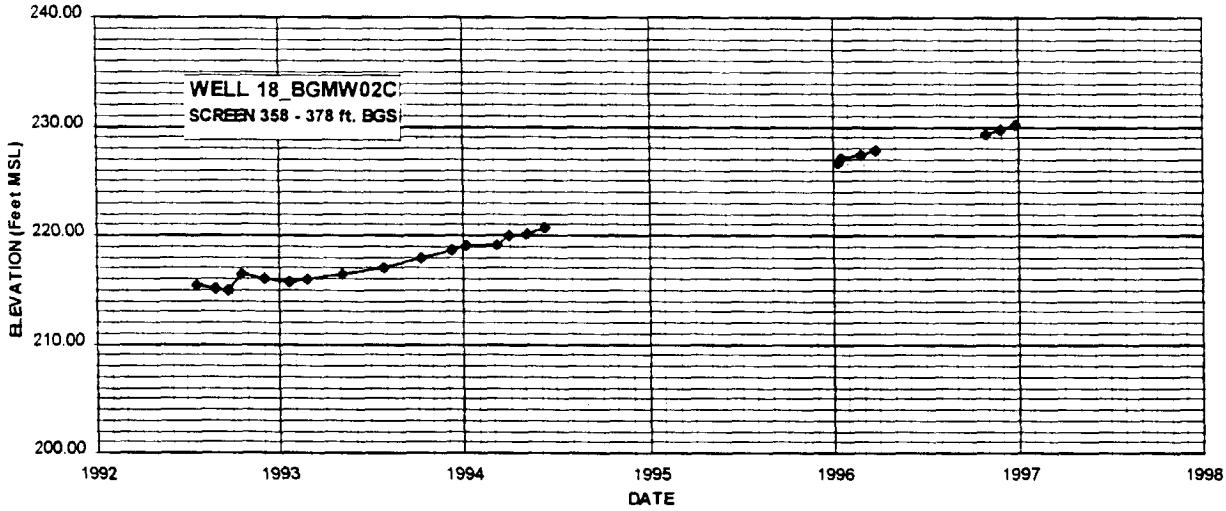
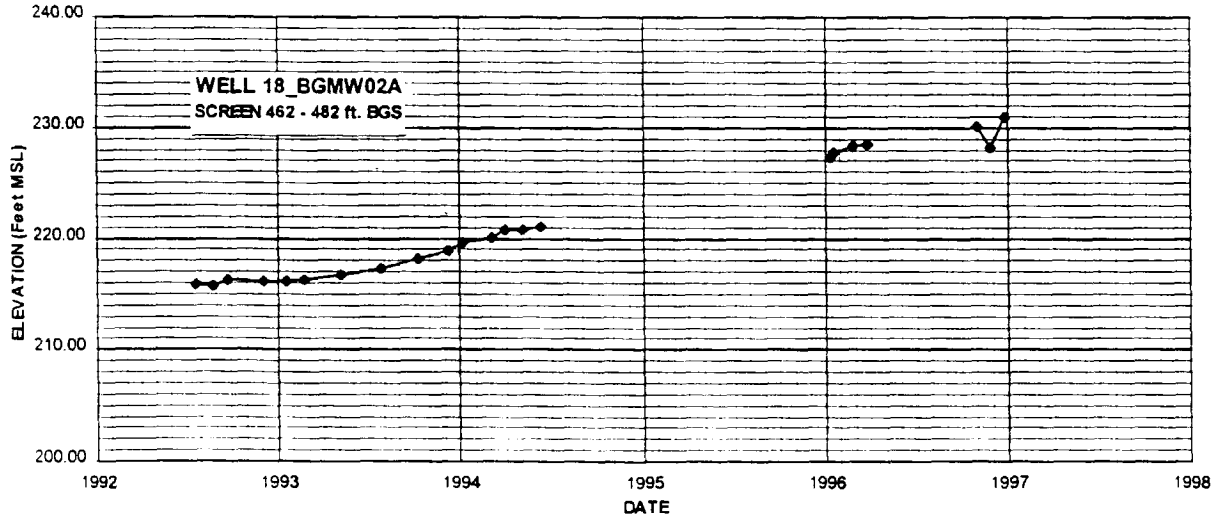
Groundwater Elevation Hydrographs
MCAS El Toro Upgradient Monitoring Wells

Figure 3-3







1992 - 1994 data from SWDIV (1994)

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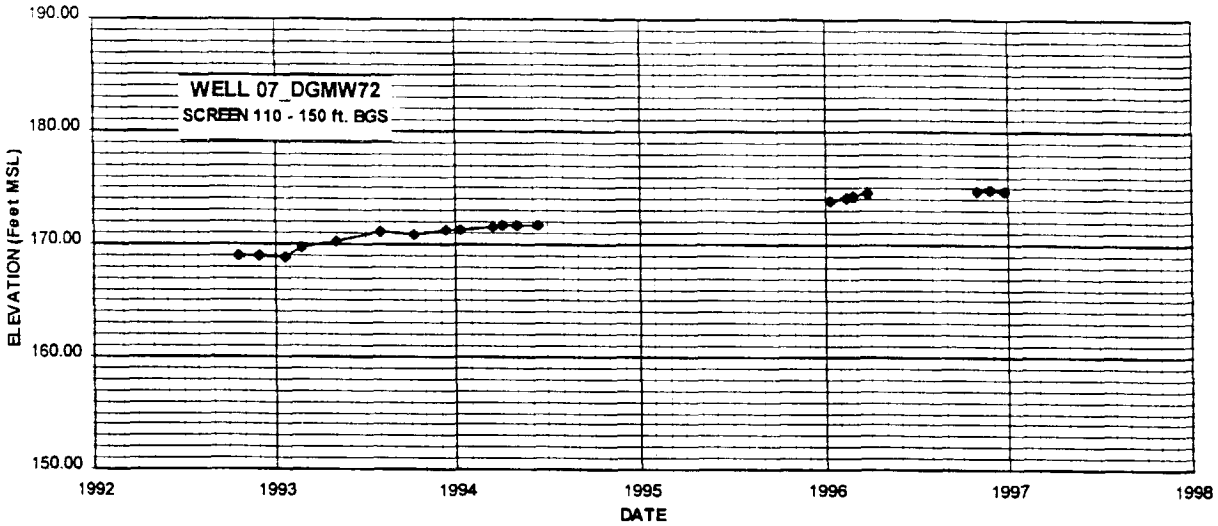
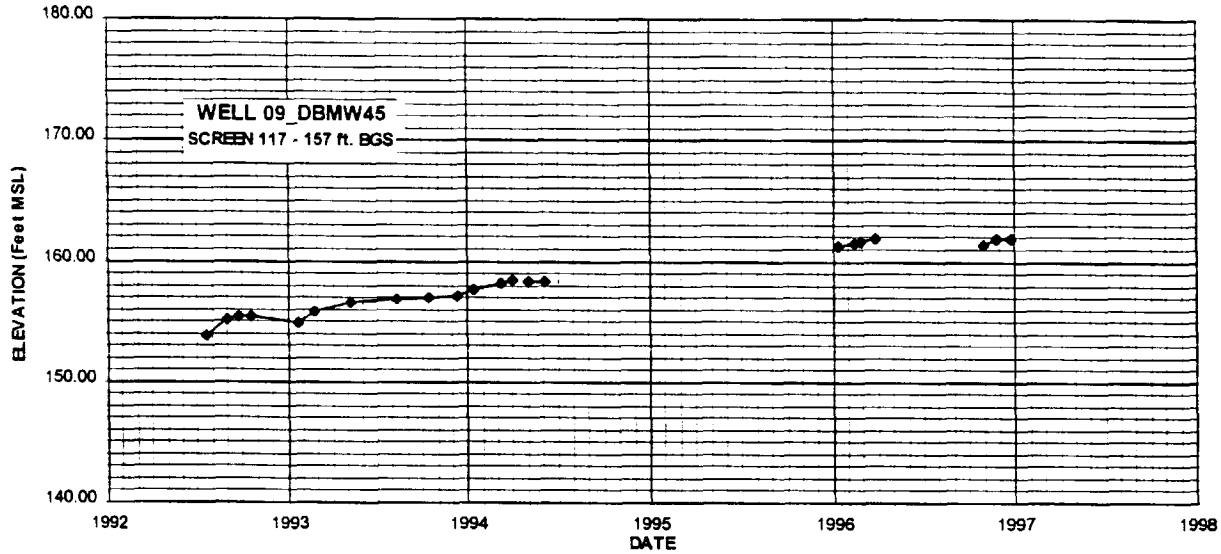
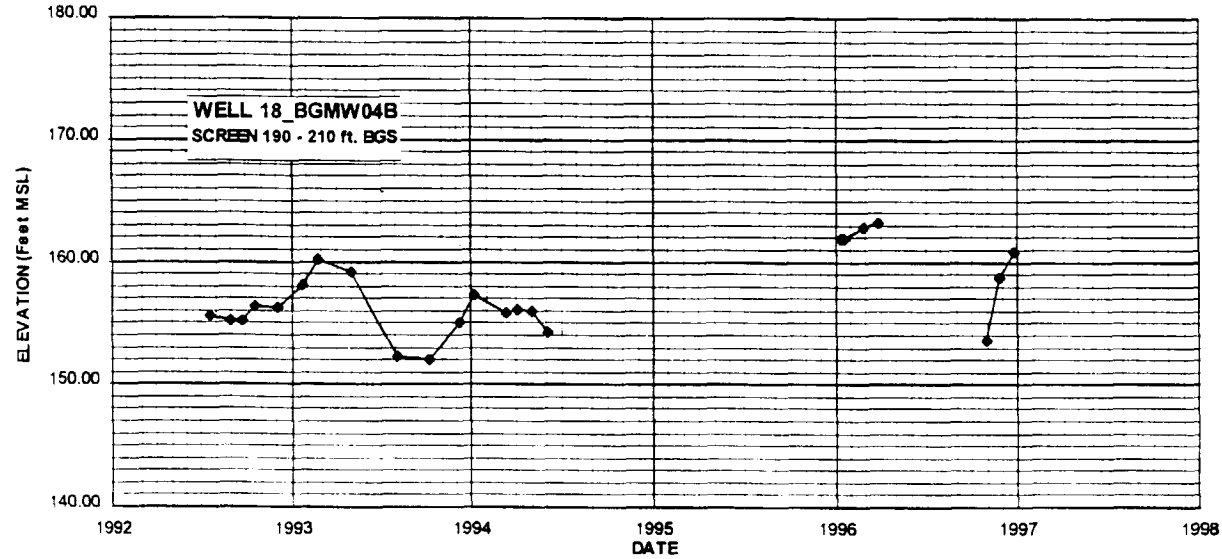
Groundwater Elevation Hydrographs
MCAS El Toro Monitoring Well Cluster 18_BGMW02

Figure 3-4







1992 - 1994 data from SWDIV (1994)

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Groundwater Elevation Hydrographs
MCAS El Toro Monitoring Wells, VOC Source Area

Figure 3-5

4.0 VOLATILE ORGANIC COMPOUND ANALYSES

During the November-December 1996 sampling round, groundwater samples were collected from 178 monitoring wells/monitoring ports in the MCAS El Toro GWMP and two additional groundwater test wells (02 NEW13 and 02 NEW14) 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 trichloroethene (TCE), tetrachloroethene (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, ethylbenzene, 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 characterized at MCAS El Toro:

- Regional VOC Plume is 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 for approximately 3 miles.

- Site 2 VOC Plume 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 located 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 (end of Section 4.0). 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.

The following sections briefly describe the distribution of the primary VOCs of concern detected during the November-December 1996 sampling round. Separate drawings have been prepared which present selected VOC groundwater results for monitoring wells/ports completed in the shallow groundwater unit (Figures 4-1, pocket plate) and the principal aquifer (Figures 4-2, pocket plate). Also presented on Figures 4-1 and 4-2 are summary tables listing the current sampling results for TCE, PCE, and CCl_4 and the maximum detected concentrations for these VOCs from prior sampling rounds.

4.2 TRICHLOROETHENE (TCE)

4.2.1 Shallow Groundwater Unit

The concentration and distribution of TCE concentrations detected in the shallow groundwater unit during the current sampling round are presented in Figure 4-1. TCE was detected above the contract-required detection limit (CRDL) of 1.0 μg/L in groundwater samples collected from a total of 53 wells and ports completed in the shallow groundwater unit (includes water table and saturated zones above the top of the intermediate horizon). Also shown on Figure 4-1 are the inferred isoconcentration contours for TCE in the shallow groundwater unit.

The highest concentrations of TCE were found in samples from the following monitoring wells in the on-Station VOC source area: Well 24 NEW4 (1,110 μg/L), Well 22 DBMW47 (990 μg/L), 09 DBMW45 (604 μg/L), Well 09 DBMW75 (468 μg/L), and Well 18 BGMW3E (196 μg/L). In off-Station monitoring ports/wells, TCE was detected in the shallow groundwater unit at 18 MCAS03-2 (115 μg/L), 18 MCAS01-3 (3 μg/L), 18 MCAS02-3 (3 μg/L), and 18 MCAS05A (4 μg/L) (Figure 4-1).

TCE in the shallow groundwater unit was found in three other areas outside of the regional VOC plume. The maximum TCE concentration detected in groundwater at the landfill sites was at Site 2 (203 μg/L, Well 02 DGMW60). TCE was detected in a group of wells at Site 6 and Site 19 during the current sampling round at concentrations ranging from 2 to 11 μg/L (Figure 4-1). These results are comparable to TCE concentrations detected at these locations in the last sampling round in January-February 1996 (Table 4-1, located at the end of this section). At Site 1 (Explosive Ordnance Disposal Range), TCE was detected at Well 01 MW101 (18 μg/L) and Well 01 MW102 (8 μg/L).

4.2.2 Principal Aquifer

A map indicating results of TCE analyses for the principal aquifer for the current sampling round is presented in Figure 4-2. A total of 57 monitoring wells/ports in the MCAS El Toro GWMP are completed in the principal aquifer or associated deeper saturated zones as identified in the inset table on Figure 4-2 and highlighted on the site map. TCE was detected above the CRDL of 1.0 μg/L in groundwater samples collected from 15 wells and ports completed in the principal aquifer. Figure 4-2 also indicates the inferred isconcentration contours for TCE concentrations for the regional VOC plume in the downgradient off-Station area.

The highest concentrations of TCE were found in samples from the following MP monitoring wells: 18 MCAS07 (45 and 33 μg/L), 18 MCAS01 (30 and 28 μg/L), and 18 MCAS02 (24

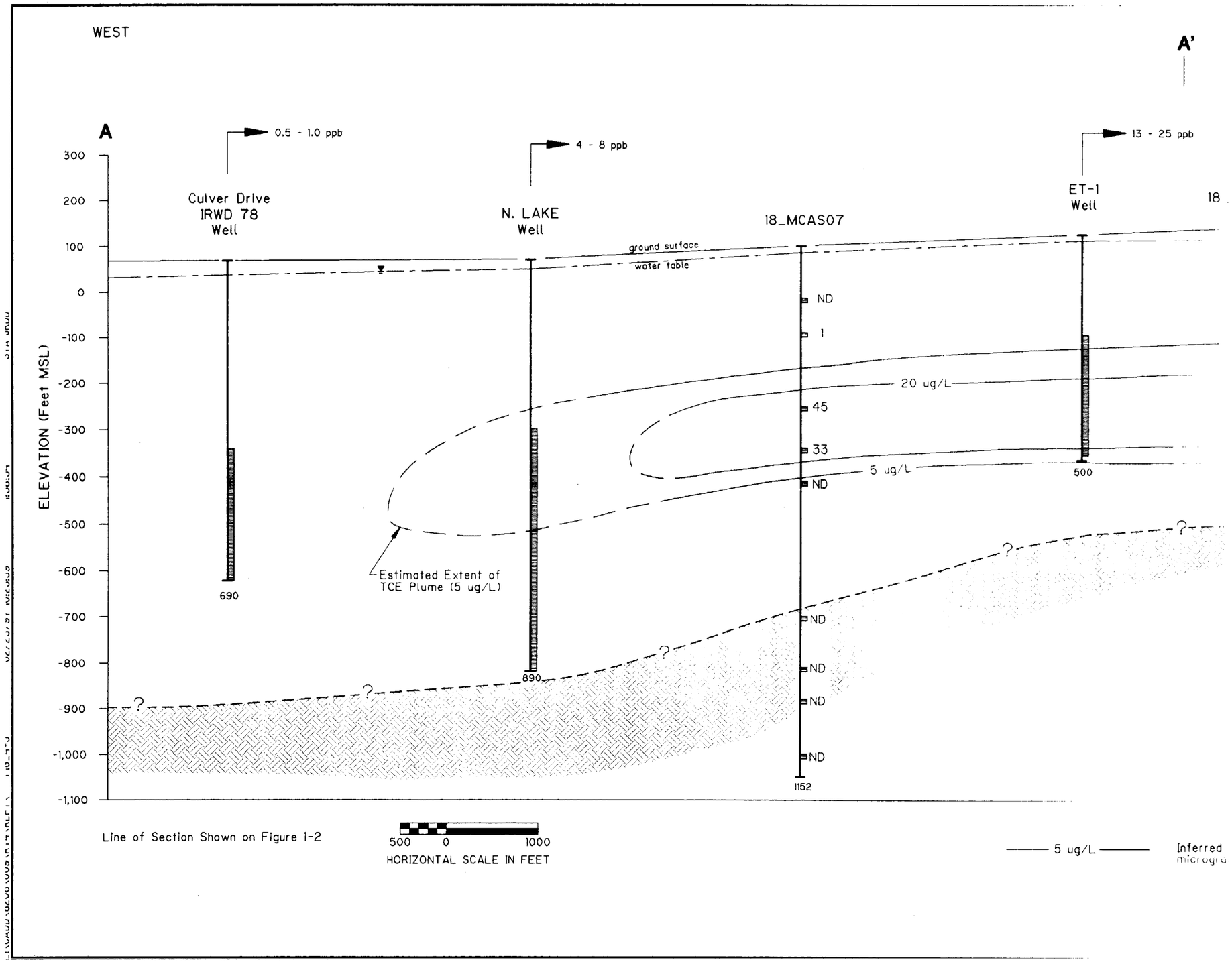
μg/L). TCE was also detected in downgradient monitoring wells 18 MCAS04 (11 μg/L), 18 MCAS06 (6 μg/L), and 18 MCAS10 (3 μg/L). In on-Station deep monitoring wells, TCE was detected above the CRDL of 1.0 μg/L in wells 18 DW450 (5 μg/L) and 18 DW540 (3 μg/L).

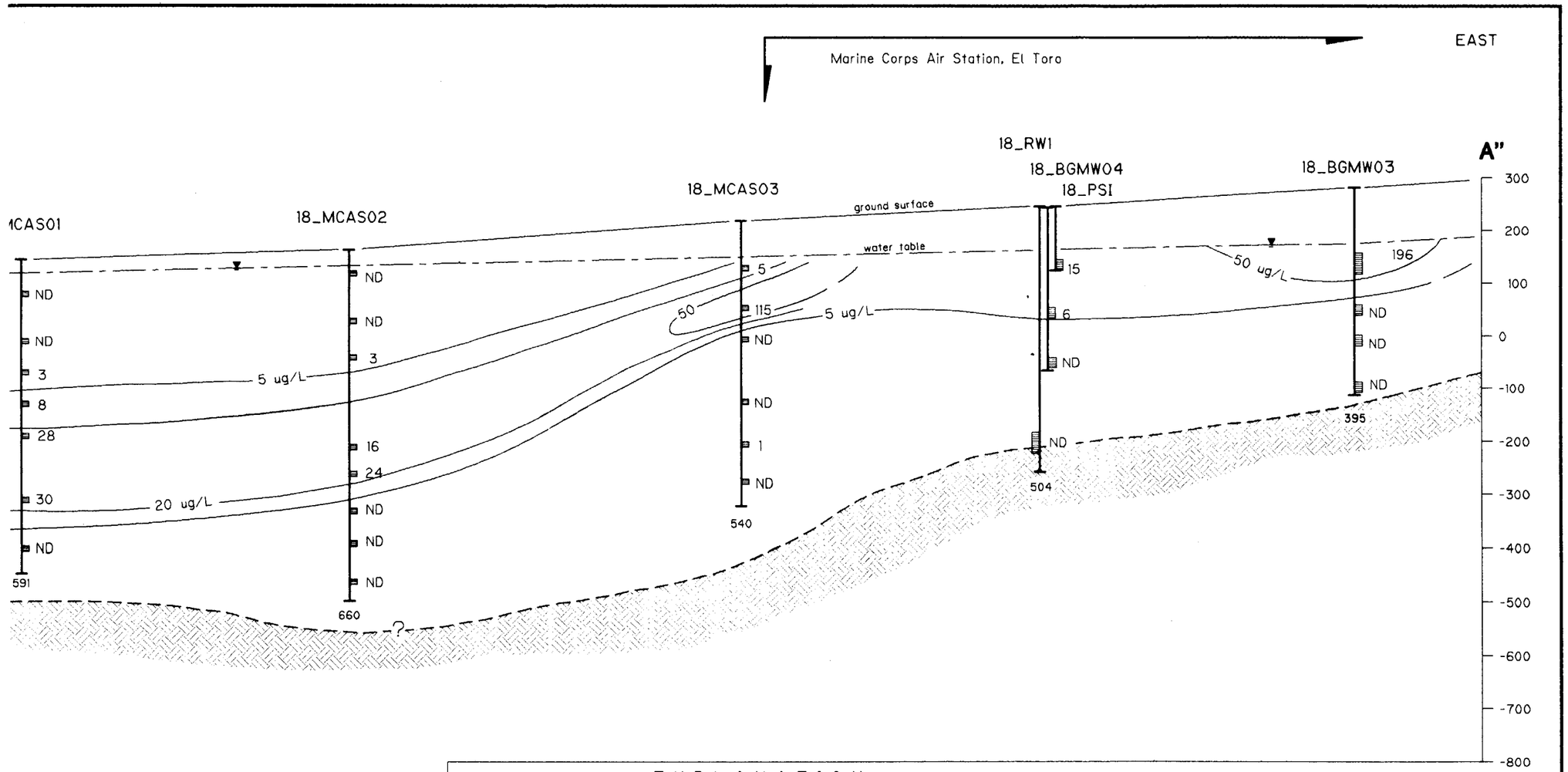
Overall, the current sampling results for the principal aquifer monitoring wells/ports are comparable to results obtained in January-February 1996 (Table 4-1). However, increasing TCE concentrations are evident in the samples collected from downgradient wells/ports 18 MCAS03-2, 18 MCAS04, 18 MCAS06, and 18 MCAS10.

The vertical distribution of TCE in monitoring stations located along the axis of the regional VOC plume is shown on Figure 4-3 (see Figure 1-2 for the location of regional cross section A-A"). TCE results are listed for the monitoring wells and ports sampled during the current monitoring round as well as representative TCE concentrations reported from several of the water supply wells where TCE has been detected. As shown in Figure 4-3, the highest concentrations of TCE are found in the shallow zone monitoring wells underlying MCAS El Toro. Downgradient of the Station, TCE is detected in monitoring ports completed in the principal aquifer up to a maximum concentration of 46 μg/L (MP well 18 MCAS07-3).

4.3 TETRACHLOROETHENE (PCE)

PCE was detected, at generally low concentrations, in groundwater samples collected at 42 wells in the shallow groundwater unit during the current sampling round (see table in Figure 4-1). The highest PCE concentrations were found in samples collected from Site 2 monitoring wells 02 DGMW61 (20 μg/L) and 02 NEW8A (19 μg/L). The highest detected PCE concentrations in the VOC source area include Well 18 BGMW05D (19 μg/L), Well 18 PS3 (17 μg/L), and Well 21 UGMW 37 (13 μg/L).


WEST
A
A'
0.5 - 1.0 ppb
4 - 8 ppb
13 - 25 ppb
Culver Drive
IRWD 78
Well
N. LAKE
Well
18_MCAS07
ET-1
Well
18
ground surface
water table
ND
1
20 ug/L
45
33
5 ug/L
ND
500
690
890
1152
ND
ND
ND
ND
Estimated Extent of
TCE Plume (5 ug/L)
ELEVATION (Feet MSL)
300
200
100
0
-100
-200
-300
-400
-500
-600
-700
-800
-900
-1,000
-1,100
Line of Section Shown on Figure 1-2
500 0 1000
HORIZONTAL SCALE IN FEET
5 ug/L
Inferred



EXPLANATION

4 - 8 ppb — Representative extracted TCE concentration in water supply well ppb = parts per billion (or ug/L)

Potentiometric surface
Upper saturated zone (water table)
November 1996

Screen interval of monitoring well/monitoring port

34 — TCE concentration, ug/L (Nov.-Dec. 1996)
ND = not detected

660 — Total depth of monitoring well, feet BGS

Semiconsolidated low-permeability sediments

CE Isoconcentration Contour
s per liter (ug/L)

Marine Corps Air Station, El Toro, California

TCE CONCENTRATIONS IN GROUNDWATER

Regional Section A-A"

November - December 1996

MCAS El Toro Groundwater Monitoring Report

CDM FEDERAL PROGRAMS CORPORATION
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Figure 4-3

During the current round, PCE was detected in the principal aquifer at only one location: well cluster 18 DW450/540 (2 and 1 μg/L).

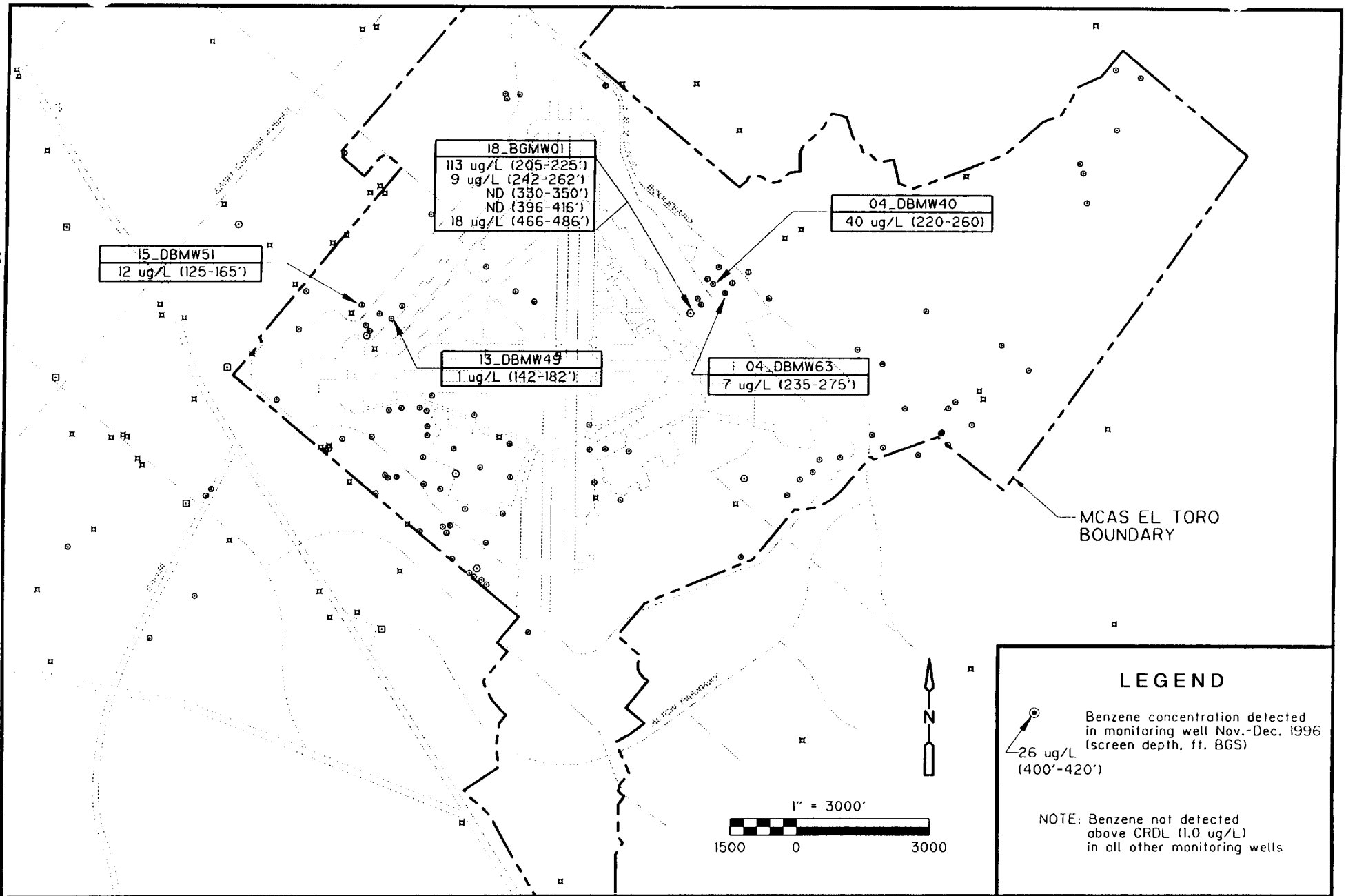
4.4 CARBON TETRACHLORIDE

Carbon tetrachloride was detected above the CRDL of 1.0 μg/L in samples collected from 15 monitoring wells completed in the shallow groundwater unit (Figure 4-1). The highest concentrations of CCl_4 were found at well cluster 18 DW135/250 (19 and 11 μg/L) and in wells 14 DBMW50 and 14 DBMW79 (9 μg/L each).

During the current sampling round, carbon tetrachloride was not detected in any groundwater samples collected from monitoring wells or ports completed in the principal aquifer (Figure 4-2). Based on current and prior sampling data, carbon tetrachloride appears to be confined to the shallow groundwater unit in the on-Station VOC source area.

4.5 BENZENE AND FUEL HYDROCARBONS

Benzene was detected above the CRDL of 1.0 μg/L in groundwater samples collected at seven wells in the areas of suspected fuel hydrocarbon releases (Site 3/4, Site 13, and Site 15). Figure 4-4 indicates the location and depth of groundwater samples where benzene was detected. The highest concentrations of benzene in the shallow groundwater unit were found in Well 18 BGMW01E (113 μg/L) and Well 04 DBMW40 (40 μg/L). Associated aromatic hydrocarbons toluene and xylenes were detected in a limited number of shallow groundwater wells at Site 3/4, with a maximum concentration of xylenes at Well 18 BGMW01E (20 μg/L). These results generally confirm BTEX detections in the shallow groundwater unit reported from prior sampling (Table 4-1).



Groundwater Monitoring Report
Marine Corps Air Station, El Toro, California

CDM FEDERAL PROGRAMS CORPORATION
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Figure 4-4
BENZENE CONCENTRATIONS IN GROUNDWATER
November - December 1996

E:\CADD\6206\009\RT4\ FIG_--- 02/17/97 16:28:02 2:05:21 STA JRDD

During the current sampling round, benzene was detected in only one deep zone monitoring well: 18 BGMW01A (18 μg/L). Benzene was not detected above the CRDL of 1.0 μg/L in any of the groundwater samples collected from off-Station monitoring wells or ports.

A total of 25 selected monitoring wells were sampled for total petroleum hydrocarbons (TPH) during the current sampling round. The results of TPH (gasoline and diesel) analyses are presented in Table 4-2. TPH was detected in only three of the wells sampled for fuel hydrocarbons. The maximum TPH (diesel) concentration detected was 390 μg/L in the sample collected at Well 18 BGMW01A. TPH gasoline was detected at concentrations of 120 μg/L (18 BGMW01D) and 70 μg/L (18 BGMW01A).

4.6 ADDITIONAL VOC SAMPLING RESULTS

For the November-December 1996 sampling round, the laboratory additionally analyzed for 1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113), as specified in the *Final Groundwater Monitoring Plan* (Jacobs, 1995). Freon 113 was detected in groundwater samples collected at eight monitoring wells (Table 4-1) with the maximum concentrations found at Well 12 DBMW48 (221 μg/L) and Well 09 DBMW45 (20 μg/L).

At the request of the California DTSC, groundwater VOC analyses were obtained during the current sampling round from the following two extraction test wells at Site 2: Well 02 NEW13 and Well 02 NEW14. These wells were installed in April 1996 as part of a groundwater extraction pilot study for the Phase II RI/FS (Bechtel, 1996). These test wells are not part of the groundwater monitoring program and, therefore, are not included in the data summary tables presented in this report.

The complete VOC analysis report for samples associated with these two wells is provided in Appendix E (APCL Analytical Report, 96-4656, dated December 16, 1996).

Table 4-2: RESULTS OF TOTAL PETROLEUM HYDROCARBON ANALYSES
MCAS El Toro Groundwater Monitoring Program

			TPH Analyses				
Well No.	Screen Interval (ft BGS)	Sample Date	**Gasoline** PQL= 50 ug/L		**Diesel** PQL= 250 ug/L		BTEX Compounds Detected
03_DGMW64	245 - 285	12-Nov-96		ND		ND	none
		12-Nov-96		ND		ND	none
04_ UGMW63	235 - 275	14-Nov-96		ND		ND	Benzene (7 ug/L)
		14-Nov-96		ND		ND	Benzene (7 ug/L)
07_DGMW70	125 - 165	21-Nov-96		ND		ND	none
		21-Nov-96		ND		ND	none
16_DGMW81	176 - 216	8-Jan-97		ND		ND	none
18_BGMW01A	466 - 486	8-Nov-96	70		390		Benzene (18 ug/L), Ethylbenzene (1 ug/L)
18_BGMW01B	396 - 416	6-Nov-96		ND		ND	none
18_BGMW01C	330 - 350	5-Nov-96		ND		ND	none
18_BGMW01D	242 - 262	1-Nov-96	120			ND	Benzene (9 ug/L), Xylenes (2 ug/L)
18_BGMW02A	462 - 482	16-Nov-96		ND		ND	none
18_BGMW02E	198 - 233	1-Nov-96		ND		ND	none
18_BGMW03B	280 - 300	7-Nov-96		ND		ND	none
18_BGMW03E	124 - 164	2-Nov-96		ND		ND	none
18_BGMW05A	462 - 482	9-Jan-97		ND		ND	none
18_BGMW05D	83 - 133	4-Dec-96		ND		ND	none
18_BGMW12	165 - 205	25-Nov-96		ND		ND	none
18_BGMW16	223 - 263	14-Nov-96		ND		ND	none
18_BGMW18	140 - 180	9-Jan-97		ND		ND	none
18_BGMW22	247 -287	14-Nov-96		ND		ND	none
18_BGMW19B	400 - 420	4-Nov-96		ND		ND	none
18_BGMW19E	98 - 138	20-Nov-96		ND		ND	none
18_DW250	215 - 250	5-Nov-96		ND		ND	none
18_DW350	310 - 350	6-Nov-96		ND		ND	none
18_DW450	420 - 460	5-Nov-96		ND		ND	none
18_PS5	106 - 126	11-Nov-96		ND		ND	none
20_UGMW36	183 - 223	14-Nov-96		ND		ND	none

EXPLANATION

TPH = Total Petroleum Hydrocarbons, results in micrograms per liter (ug/L)

PQL = practical quantitation limit, ND = not detected at or above the PQL

The concentrations of the VOCs detected in these samples are summarized below.

Compound	Well 02 NEW13	Well 02 NEW14
Chloroform	5 μg/L	ND
1,2-Dichloroethane	2 μg/L	ND
1,2-Dichloroethene (total)	5 μg/L	ND
Methylene chloride	3 μg/L	2 μg/L
Tetrachloroethene (PCE)	8 μg/L	8 μg/L
1,1,2-Trichloroethane	2 μg/L	ND
Trichloroethene (TCE)	62 μg/L	3 μg/L

Note: ND= not detected at or above the CRDL of 1.0 μg/L.

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	Freon-113	Compound	oncent.
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			
		8-Apr-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	0.5 U	1.0 U	1.0 U	10.0 U		
		20-Nov-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	10.0 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			
		5-Apr-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	0.5 UJ	1.0 U	1.0 U	10.0 U		
		18-Nov-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	10.0 U		
01_MW101	148	2-Apr-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	10.0 U		
		20-Nov-96	18.0	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	10.0 U	BROMODICHLOROMETHANE	2.0
															CHLORODIBROMOMETHANE	1.0
01_MW102	135	2-Apr-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	10.0 U		
		20-Nov-96	8.0	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	10.0 U		
01_MW201	57	8-Apr-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	0.5 UJ	1.0 U	1.0 U	10.0 U		
		18-Nov-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	10.0 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			
		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			
		4-Nov-96	0.7 J	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	10.0 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
															1,2-DICHLOROETHANE	0.6 J
		15-Aug-95	1.0 U	4.6 J	1.0 U	91.0	8.0 J	5.6 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1,2-DICHLOROETHANE	0.8 J
															1,1,2 TRICHLOROETHANE	1.7 J
		28-Nov-95	1.0 U	4.0 J	1.0 U	81.0	1.0 U	5.1	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		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
		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
		4-Nov-96	203.0	7.0	1.0 U	1.0 U	20.0	17.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1,1,2-TRICHLOROETHANE	6.0
															1,2-DICHLOROETHANE	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			
		16-Aug-95	1.0 U	13.0	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			
		29-Nov-95	1.0 U	19.0	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			
		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			
		4-Nov-96	1.0 U	20.0	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	10.0 U		
02_NEW1	135	26-Dec-95	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	1.0 U	1.0 U	10.0 U		
		4-Nov-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	10.0 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	Freon-113	Compound	oncent.
02_NEW2	95	21-Dec-95	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	10.0 U		
		26-Nov-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	10.0 U		
02_NEW3	225	28-Dec-95	1.0 U	0.4	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	10.0 U	TRICHLOROFLUOROMETHANE	2.0
		7-Nov-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	10.0 U		
02_NEW6	225	27-Dec-95	1.0 U	1.0	1.0 U	0.9	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1,3 DICHLOROBENZENE	0.7
		7-Nov-96	1.0 U	0.9 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	10.0 U		
02_NEW7	143	27-Dec-95	1.0 U	0.3 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	10.0 U		
		8-Jan-97	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	10.0 U	METHYLENE CHLORIDE	1.0
02_NEW8A	104	27-Dec-95	1.0 U	18.0	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	10.0 U		
		7-Nov-96	1.0 U	19.0	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	10.0 U		
02_NEW11	65	21-Dec-95	1.0 U	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	10.0 U		
		12-Nov-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	10.0 U		
02_NEW12	249	28-Dec-95	1.0 U	1.0 U	1.0 U	2.0	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		7-Nov-96	2.0	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	10.0 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			
		17-Aug-95	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	10.0 U		
		28-Nov-95	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	10.0 U		
		12-Nov-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	10.0 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			
		12-Nov-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 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			
		12-Nov-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	10.0 U		
		12-Nov-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	10.0 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	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			
		11-Nov-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	10.0 U		
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	10.0 U		
		14-Nov-96	1.0	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	10.0 U		
		14-Nov-96	1.0	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	10.0 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	Freon-113	Compound	oncent.
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	10.0 U		
		12-Nov-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	7.0	10.0 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	10.0 U		
		12-Nov-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	0.7 J	1.0 U	1.0 U	1.0 U	10.0 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	10.0 U		
		14-Nov-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	7.0	1.0 U	1.0 U	1.0 U	10.0 U		
		14-Nov-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	7.0	1.0 U	1.0 U	1.0 U	10.0 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			
		5-Dec-95	1.0 U	0.8 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	10.0 U		
		5-Dec-95	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	10.0 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	10.0 U		
		13-Nov-96	1.0 U	0.8 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	10.0 U	METHYLENE CHLORIDE	2.0
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			
		6-Dec-95	1.0 U	0.8 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	10.0 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	10.0 U		
		13-Nov-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	10.0 U	METHYLENE CHLORIDE	2.0
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			
		9-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	10.0 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	10.0 U		
		15-Nov-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	10.0 U		
05_NEW1	190	28-Dec-95	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	10.0 U		
		13-Nov-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	10.0 U	METHYLENE CHLORIDE	1.0
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			
		17-Aug-95	2.0 J	0.6 J	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 J	2.0 J	1.0 U	1.0 U	10.0 U	CHLOROBENZENE	1.0 J
		8-Dec-95	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	10.0 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	10.0 U		
		13-Nov-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	10.0 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	10.0 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	Freon-113	Compound	oncent.
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	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	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	10.0 U		
		4-Dec-96	9.0	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	1.4 J		
		4-Dec-96	9.0	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	1.7 J	METHYLENE CHLORIDE	1.0
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	10.0 U		
		21-Nov-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	10.0 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	10.0 U		
		21-Nov-96	2.0	1.0 U	4.0	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.9 J	METHYLENE CHLORIDE	1.0
		21-Nov-96	2.0	1.0 U	3.0	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
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	10.0 U		
		14-Nov-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	10.0 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	10.0 U		
		21-Nov-96	10.0	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	10.0 U	METHYLENE CHLORIDE	1.0
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	10.0 U		
		21-Nov-96	113.0	1.0	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	1.0 J	METHYLENE CHLORIDE	1.0
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	10.0 U		
		21-Nov-96	104.0	5.0	2.0	0.6 J	1.0	4.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 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	10.0 U		
		2-Dec-96	62.0	9.0	1.0 U	0.8 J	2.0	5.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		2-Dec-96	62.0	10.0	1.0 U	0.9 J	2.0	5.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 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	10.0 U	1,1-DICHLOROETHANE	0.9 J
		13-Nov-96	103.0 D	1.0	2.0	1.0	1.0	6.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 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	Freon-113	Compound	oncent.
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	10.0 U		
		25-Nov-96	17.0	1.0 U	1.0 U	1.0 U	1.0 U	0.7 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
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	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	30.0 JN		
		20-Nov-95	250.0	3.0 J	3.0 J			10.0								
		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	10.0 U		
		18-Nov-96	604.0	6.0	4.0	4.0	0.9 J	2.0	10.0 U	1.0 U	1.0 J	1.0 U	1.0 U	20.0	1,1,2,2-TETRACHLOROETHANE	0.8 J
															1,2-DICHLOROETHANE	1.0
															BROMODICHLOROMETHANE	0.9 J
															CHLOROBENZENE	2.0 J
															CHLORODIBROMOMETHANE	0.9 J
															METHYLENE CHLORIDE	2.0
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	10.0 U		
		4-Dec-96	468.0	9.0	3.0	3.0	1.0 U	2.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	12.0		
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	10.0 U		
		4-Dec-96	105.0	3.0	2.0	0.7 J	1.0 U	2.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3 J		
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	240.0 JN		
		27-Jul-93	0.7 J	14.0	0.8 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	10.0 U		
		13-Nov-96	0.8 J	13.0	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	221.0		
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	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		13-Nov-96	19.0	5.0	1.0 U	1.0 U	1.0 U	0.9 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	METHYLENE CHLORIDE	1.0
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			
		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	10.0 U		
		19-Nov-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	10.0 U		
		19-Nov-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	0.9 J	1.0 U	1.0 U	1.0 U	10.0 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	10.0 U		
		19-Nov-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	10.0 U	1,2-DICHLOROETHANE	1.0

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	Freon-113	Compound	oncent.
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	10.0 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	10.0 U		
		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	10.0 U		
		19-Nov-96	2.0	1.0 U	9.0	1.0 U	1.0 U	3.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
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	10.0 U		
		19-Nov-96	1.0	1.0 U	9.0	1.0 U	1.0 U	9.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 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	10.0 U	1,1,1-TRICHLOROETHANE	1.0
		4-Dec-96	39.0	6.0	1.0 U	1.0 U	1.0 U	1.0	10.0 U	12.0	1.0 U	1.0 U	2.0	10.0 U	1,1,1-TRICHLOROETHANE	2.0
															BROMODICHLOROMETHANE	0.7 J
															BROMOMETHANE	1.5 J
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	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	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	10.0 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	10.0 U		
		25-Nov-96	0.6 J	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	15.0	METHYLENE CHLORIDE	1.0
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	10.0 U		
		8-Jan-97	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	10.0 U	METHYLENE CHLORIDE	1.0
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	10.0 U		
		25-Nov-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	10.0 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
		6-Dec-95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.9 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		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	10.0 U		
		20-Nov-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	10.0 U		
17_NEW1	226	12-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	10.0 U		
		20-Nov-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	10.0 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	Freon-113	Compound	oncent.
17_NEW2	123	3-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	10.0 U		
		20-Nov-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	10.0 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	10.0 U		
		8-Nov-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	10.0 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	10.0 U		
		8-Nov-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	10.0 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	10.0 U		
		8-Nov-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	10.0 U		
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
															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	10.0 U		
		8-Nov-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	10.0 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	10.0 U		
		8-Nov-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	10.0 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	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	10.0 U		
		7-Nov-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	10.0 U		
18_BGMP08B	389	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		STATION ABANDONED 1993	
18_BGMP08C	307	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	10.0 U		
		7-Nov-96	0.9 J	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	10.0 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	Freon-113	Compound	oncent.
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			
		8-Nov-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	10.0 U		
18_BGMP08E	71	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	10.0 U	BROMODICHLOROMETHANE	2.0
															CHLORODIBROMOMETHANE	2.0
		8-Nov-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	BROMODICHLOROMETHANE	1.0
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	10.0 U		
		13-Nov-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	10.0 U	METHYLENE CHLORIDE	2.0
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	10.0 U		
		13-Nov-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	10.0 U	METHYLENE CHLORIDE	1.0
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	10.0 U		
		13-Nov-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	10.0 U	METHYLENE CHLORIDE	1.0
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	10.0 U		
		13-Nov-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	10.0 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	10.0 U		
		13-Nov-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	10.0 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	10.0 U		
		13-Nov-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	10.0 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	10.0 U		
		19-Nov-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	10.0 U	METHYLENE CHLORIDE	1.0

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	Freon-113	Compound	oncent.
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	10.0 U		
		19-Nov-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	10.0 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	10.0 U		
		19-Nov-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	10.0 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	10.0 U		
		19-Nov-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	10.0 U	METHYLENE CHLORIDE	1.0
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	10.0 U		
		19-Nov-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	10.0 U	METHYLENE CHLORIDE	1.0
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	10.0 U		
		19-Nov-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	10.0 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	10.0 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	61.0	1.0 U	0.9 J	0.5 J	10.0 U		
		8-Nov-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	18.0	1.0 U	1.0	1.0 U	10.0 U		
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	10.0 U		
		6-Nov-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	10.0 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	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	10.0 U		
		5-Nov-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	10.0 U	METHYLENE CHLORIDE	11.0
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	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	10.0	1.0 U	1.0 U	2.0	10.0 U		
		1-Nov-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	9.0	1.0 U	1.0 U	2.0	10.0 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	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	oncent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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
		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	10.0 U		
		1-Nov-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	110.0	0.6 J	1.0 U	20.0	10.0 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
															BROMODICHLOROMETHANE	11.0
															BROMOFORM	2.0
															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	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		19-Nov-96	0.6 J	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	10.0 U	METHYLENE CHLORIDE	1.0
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
															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	10.0 U		
		5-Nov-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	10.0 U	METHYLENE CHLORIDE	2.0
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
								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	10.0 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	1.0 U	1.0 U	10.0 U		
		6-Nov-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	10.0 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	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	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	10.0 U		
		1-Nov-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	10.0 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
															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	10.0 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	10.0 U		
		7-Nov-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	10.0 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	1.0 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	10.0 U		
		7-Nov-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	10.0 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	Freon-113	Compound	oncent.
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	10.0 U		
		7-Nov-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	10.0 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	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	10.0 U		
		21-Nov-96	196.0	1.0	0.7 J	1.0	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 J		
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	10.0 U		
		11-Nov-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	10.0 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	8.0	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	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		19-Jan-96	4.0	4.0	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	10.0 U		
		14-Nov-96	6.0	5.0	1.0 U	1.0 U	0.6 J	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1,1,2,2-TETRACHLOROETHANE	1.0 J
															CHLOROBENZENE	0.6 J
															CHLORODIBROMOMETHANE	0.7 J
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	10.0 U	CARBON DISULFIDE	2.0 J
		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	10.0 U		
		9-Jan-97	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	0.8 J	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	1.0
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	10.0 U		
		7-Nov-97	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	10.0 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	10.0 U		
		7-Nov-97	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	10.0 U	METHYLENE CHLORIDE	5.0

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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	Freon-113	Compound	oncent.
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
															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	10.0 U		
		4-Dec-96	23.0	19.0	1.0 U	1.0 U	1.0	0.5 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	1.0
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	10.0 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	10.0 U		
		25-Nov-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	10.0 U	METHYLENE CHLORIDE	1.0
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
															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	6.0	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	10.0 U		
		15-Nov-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	10.0 U		
		15-Nov-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	10.0 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
															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	10.0 U		
		8-Nov-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.7 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 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	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	1.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		14-Nov-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	10.0 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	10.0 U		
		8-Nov-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	10.0 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	10.0 U		
		9-Jan-97	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	10.0 U	METHYLENE CHLORIDE	1.0

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	Freon-113	Compound	oncent.
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	10.0 U		
		4-Nov-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	10.0 U	METHYLENE CHLORIDE	1.0
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	10.0 U		
		4-Nov-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	10.0 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	10.0 U		
		5-Nov-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	10.0 U		
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	10.0 U		
		4-Nov-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	10.0 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			
		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	10.0 U		
		20-Nov-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	10.0 U	BROMODICHLOROMETHANE	1.0
															CHLORODIBROMOMETHANE	1.0
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	10.0 U		
		14-Nov-96	1.0	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	10.0 U	1,1,2,2-TETRACHLOROETHANE	1.7 J
															1,2-DICHLOROETHANE	0.8 J
															BROMODICHLOROMETHANE	1.0
															BROMOFORM	1.0
															CHLOROBENZENE	1.0 J
															CHLORODIBROMOMETHANE	1.0
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	10.0 U		
		5-Dec-96	2.0	0.7 J	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	0.7 J	1.0 U	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	3.0
		5-Dec-96	2.0	0.8 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	10.0 U	METHYLENE CHLORIDE	2.0

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	Freon-113	Compound	oncent.
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	10.0 U		
		26-Nov-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	10.0 U		
		26-Nov-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	10.0 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	10.0 U		
		14-Nov-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	10.0 U		
		14-Nov-96	**20.0**	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	10.0 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	10.0 U		
		5-Nov-96	**18.0**	1.0 U	**19.0**	1.0 U	1.0 U	2.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	1.0 J
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	**5.0**	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	10.0 U		
		5-Nov-96	1.0 U	1.0 U	**11.0**	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	1.0
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	10.0 U	METHYLENE CHLORIDE	1.0
		6-Nov-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	10.0 U		
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	10.0 U		
		5-Nov-96	5.0	2.0	1.0 U	1.0 U	1.0	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 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	Freon-113	Compound	oncent.
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	10.0 U		
		6-Nov-96	3.0	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	10.0 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	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	10.0 U		
		18-Nov-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	10.0 U		
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	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	10.0 U		
		18-Nov-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	10.0 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	Freon-113	Compound	oncent.
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	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	10.0 U		
		18-Nov-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	10.0 U		
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	10.0 U		
		18-Nov-96	8.0	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	10.0 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	Freon-113	Compound	oncent.
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	38.1	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	10.0 U		
		18-Nov-96	28.0	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	10.0 U		
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				
		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				
		19-Mar-91	8.4	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	10.0 U		
		15-Nov-96	30.0	1.0 U	1.0 U	1.0 U	4.0	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 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	Freon-113	Compound	oncent.
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	10.0 U		
		15-Nov-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	10.0 U		
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	10.0 U		
		12-Nov-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	10.0 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	Freon-113	Compound	oncent.
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	10.0 U		
		12-Nov-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	10.0 U		
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	10.0 U	METHYLENE CHLORIDE	3.0
		12-Nov-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	10.0 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	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	oncent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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				
		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	26.6	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-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	10.0 U		
		12-Nov-96	16.0	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	10.0 U		
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	33.9	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				
		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	28.9	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	10.0 U		
		12-Nov-96	24.0	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	10.0 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	Freon-113	Compound	oncent.
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	10.0 U		
		12-Nov-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	10.0 U		
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	10.0 U		
		12-Nov-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	10.0 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	Freon-113	Compound	oncent.
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	10.0 U		
		12-Nov-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	0.9 J	1.0 U	1.0 U	1.0 U	10.0 U		
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	10.0 U		
		6-Nov-96	5.0	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	10.0 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	Freon-113	Compound	oncent.
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	20.6	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	1.6	0.6	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		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	10.0 U		
		6-Nov-96	115.0	2.0	1.0 U	1.0 U	4.0	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
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	10.0 U		
		6-Nov-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	10.0 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	Freon-113	Compound	oncent.
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	10.0 U		
		6-Nov-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	10.0 U		
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	10.0 U		
		6-Nov-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	10.0 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	Freon-113	Compound	oncent.
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	10.0 U		
		6-Nov-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	10.0 U	METHYLENE CHLORIDE	1.0
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	10.0 U		
		19-Nov-96	11.0	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	10.0 U	METHYLENE CHLORIDE	1.0 J

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	Freon-113	Compound	oncent.
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	10.0 U		
		20-Nov-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	10.0 U		
		20-Nov-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	10.0 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	10.0 U		
		19-Nov-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	10.0 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	Freon-113	Compound	oncent.
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	10.0 U		
		20-Nov-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	10.0 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	10.0 U		
		20-Nov-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	10.0 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	Freon-113	Compound	oncent.
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	10.0 U		
		20-Nov-96	45.0	1.0 U	1.0 U	1.0 U	0.5 J	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 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	26.5	0.5 U	0.5 U		5.3	0.5 U			0.5 U	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	10.0 U		
		20-Nov-96	33.0	1.0 U	1.0 U	1.0 U	8.0	1.0 U	10.0 U	1.0 U	1.0	1.0 U	0.6 J	10.0 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	Freon-113	Compound	oncent.
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	10.0 U		
		11-Nov-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	10.0 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	10.0 U		
		11-Nov-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	1.0 U	0.6 J	10.0 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	Freon-113	Compound	oncent.
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	10.0 U		
		11-Nov-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	10.0 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
															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*
															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	10.0 U		
		11-Nov-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	1.0 U	1.0 U	10.0 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	Freon-113	Compound	oncent.
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
															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*
															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	10.0 U		
		11-Nov-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	10.0 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	10.0 U		
		20-Nov-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	10.0 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	Freon-113	Compound	oncent.
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	10.0 U		
		19-Nov-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	10.0 U	METHYLENE CHLORIDE	2.0
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	10.0 U		
		19-Nov-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	10.0 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	10.0 U		
		25-Nov-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	10.0 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	10.0 U		
		25-Nov-96	12.0	1.0 U	1.0 U	1.0 U	0.7 J	1.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 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	Freon-113	Compound	oncent.
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	10.0 U	BROMODICHLOROMETHANE	2.0
		8-Jan-97	9.0	17.0	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	10.0 U	METHYLENE CHLORIDE	2.0
18_PS4	118	22-Jan-89	78.0	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	8.0	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	10.0 U		
		5-Dec-96	7.0	11.0	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	10.0 U	METHYLENE CHLORIDE	2.0
		5-Dec-96	8.0	13.0	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	10.0 U	METHYLENE CHLORIDE	1.0
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	10.0 U		
		11-Nov-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	1.0 J		
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		10.0 U		
		25-Nov-96	30.0	9.0	0.9 J	1.0 U	1.0 U	2.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		25-Nov-96	33.0	10.0	1.0	1.0 U	1.0 U	2.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 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	10.0 U		
		8-Nov-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	10.0 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	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	10.0 U	METHYLENE CHLORIDE	2.0
		26-Jan-96													1,1,1-TRICHLOROETHANE	0.8 J
		25-Nov-96	157.0	1.0	2.0	1.0 U	1.0 U	2.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	9.0 J	METHYLENE CHLORIDE	1.0
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	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	9.0	1.0 U	1.0 U	10.0 U		
		8-Nov-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	10.0 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	Freon-113	Compound	oncent.
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	10.0 U		
		8-Nov-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	10.0 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	10.0 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	10.0 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	10.0 U		
		3-Dec-96	2.0	3.0	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	10.0 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	10.0 U	BROMODICHLOROMETHANE	2.0
		3-Dec-96	5.0	4.0	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	10.0 U		
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	10.0 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	10.0 U		
		3-Dec-96	**10.0**	5.0	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	10.0 U		
		3-Dec-96	**11.0**	**10.0**	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	10.0 U		
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	10.0 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	10.0 U		
		21-Nov-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	1.0 J		
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	10.0 U		
		14-Nov-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	10.0 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	Freon-113	Compound	oncent.
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	10.0 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	10.0 U		
		25-Nov-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	10.0 U		
		25-Nov-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	10.0 U	METHYLENE CHLORIDE	1.0
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	10.0 U		
		14-Nov-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	10.0 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					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	10.0 U		
		13-Nov-96	7.0	4.0	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	10.0 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	10.0 U		
		26-Nov-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	1.0 J	METHYLENE CHLORIDE	1.0
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	10.0 U		
		11-Nov-96	25.0	13.0	1.0 U	1.0 U	2.0	1.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	1.0
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	10.0 U		
		2-Dec-96	990.0	5.0	3.0	3.0	1.0 U	2.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	15.0		
24_NEW1	245	30-Oct-95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0	10.0 U	0.4 J	0.8 J	1.0 U	0.3 J	10.0 U	ACETONE	5.0
															BROMODICHLOROMETHANE	2.0
															BROMOFORM	0.5 J
															DIBROMOCHLOROMETHANE	2.0
		2-Nov-95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 J	10.0 U	1.0 U	2.0	0.6 J	3.0	10.0 U	DIBROMOCHLOROMETHANE	0.4 J
		2-Dec-96	102.0	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	10.0 U		
24_NEW4	148	26-Oct-95	1000.0	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	10.0 U		
		2-Nov-95	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	10.0 U		
		3-Dec-96	1110.0	2.0	2.0	1.0	1.0 U	1.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.3 J		
24_NEW5	250	21-Nov-95	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	10.0 U	ACETONE	4.0 J
															BROMODICHLOROMETHANE	2.0
															BROMOFORM	3.0
															DIBROMOCHLOROMETHANE	2.0
		2-Dec-96	0.7 J	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	10.0 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	Freon-113	Compound	oncent.
24_NEW6	185	25-Oct-95	30.0 J	11.0 J	1.0 U	1.0 U	3.0	1.0 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	ACETONE	9.0 J
		2-Dec-96	29.0	13.0	1.0 U	1.0 U	3.0	1.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
24_NEW7	158	31-Oct-95	27.0	1.0 U	0.6 J	1.0	1.0 U	0.7 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	ACETONE	7.0 J
															1,1,1-TRICHLOROETHENE	1.0
															1,1,2,2-TETRACHLOROETHANE	1.0
															1,1,2-DICHLOROETHANE	1.0
		3-Dec-96	33.0	1.0	0.9 J	4.0	1.0 U	0.9 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
24_NEW8	162	1-Nov-95	1.0 U	1.0 U	0.5 J	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		3-Dec-96	4.0	1.0	2.0	1.0 U	1.0 U	0.7 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 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 November - December 1996 sample results listed are as reported in the APCL analytical reports (Appendix E, Groundwater Monitoring Report).

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:
Trichloroethene (TCE), Federal maximum contaminant level (MCL) 5.0 ug/L.
Tetrachloroethene (PCE), Federal MCL 5.0 ug/L.
Carbon Tetrachloride (CCl_4), State MCL 0.5 ug/L.
1,1 - Dichloroethene (1,1-DCE), State MCL 6.0 ug/L.
1,2 - Dichloroethene (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

VOC RESULTS – SHALLOW GROUNDWATER UNIT

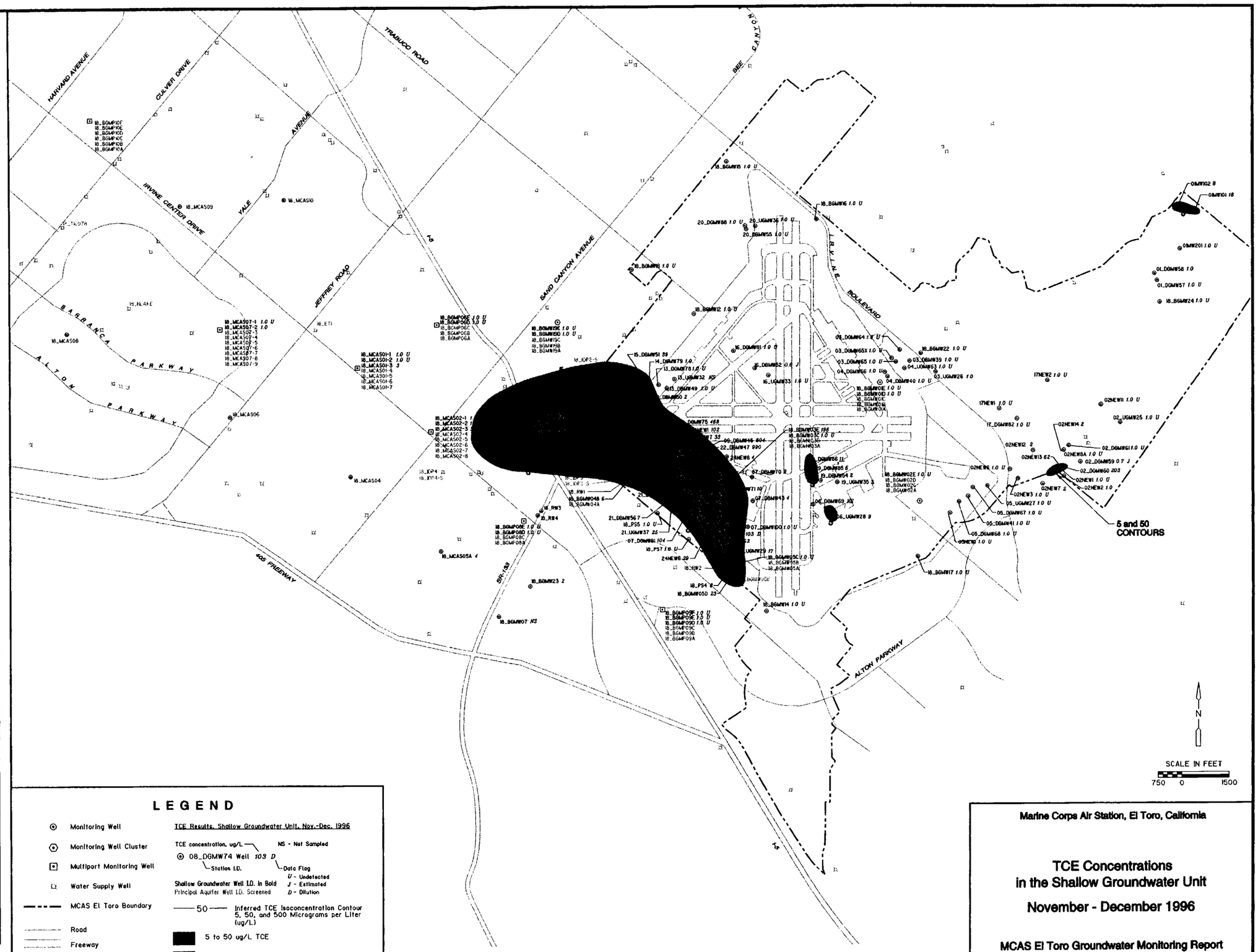
Current Sampling Results and Maximum Detected Concentrations

Concentrations in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (ft BGS)	Trichloroethene (TCE)			Tetrachloroethene (PCE)			Carbon Tetrachloride		
		Nov-Dec 1996	Max. Detected	Date	Nov-Dec 1996	Max. Detected	Date	Nov-Dec 1996	Max. Detected	Date
01_DGMW57	83	1.0 U	ND		1.0 U	ND		1.0 U	ND	
01_DGMW58	77	1.0	1.0	Nov-96	1.0 U	ND		1.0 U	ND	
01MW101	148	18.0	ND		1.0 U	ND		1.0 U	ND	
01MW102	135	8.0	ND		1.0 U	ND		1.0 U	ND	
01MW201	57	1.0 U	ND		1.0 U	ND		1.0 U	ND	
02_DGMW59	89	0.7J	0.6J	Dec-92	1.0 U	ND		1.0 U	ND	
02_DGMW60	100	203.0	98.0	Feb-96	7.0	8.0	Nov-92	1.0 U	ND	
02_DGMW61	100	1.0 U	2.0	Jun-93	20.0	14.0	Feb-96	1.0 U	ND	
02_UGMW25	75	1.0 U	0.9J	Sep-92	1.0 U	ND		1.0 U	ND	
02NEW1	135	1.0 U	ND		1.0 U	ND		1.0 U	ND	
02NEW2	95	1.0	ND		1.0 U	ND		1.0 U	ND	
02NEW3	225	1.0 U	ND		1.0 U	0.4J	Dec-95	1.0 U	ND	
02NEW5	225	1.0 U	ND		0.9J	1.0	Dec-95	1.0 U	ND	
02NEW7	143	2.0	2.0	Jan-97	1.0 U	0.3J	Dec-95	1.0 U	ND	
02NEW8A	104	1.0 U	ND		19.0	17.0	Dec-95	1.0 U	ND	
02NEW11	65	1.0 U	ND		1.0 U	NA		1.0 U	ND	
02NEW12	249	2.0	2.0	Dec-95	2.0	2.0		1.0 U	ND	
03_DGMW19	270	1.0 U	ND		1.0 U	ND		1.0 U	ND	
03_DGMW64	285	1.0 U	ND		1.0 U	ND		1.0 U	ND	
03_DGMW65X	270	1.0 U	ND		1.0 U	ND		1.0 U	ND	
03_UGMW26	270	1.0	0.3J	Feb-96	2.0	0.6J	Feb-96	1.0 U	ND	
04_DGMW40	260	1.0 U	ND		1.0 U	ND		1.0 U	ND	
04_DGMW66	290	1.0 U	ND		1.0 U	ND		1.0 U	ND	
04_UGMW63	275	1.0 U	ND		1.0 U	ND		1.0 U	ND	
05_DGMW41	222	1.0 U	ND		0.8J	0.8J	Nov-92	1.0 U	ND	
05_DGMW67	227	1.0 U	ND		1.0 U	ND		1.0 U	ND	
05_DGMW68	210	1.0 U	ND		1.0 U	ND		1.0 U	ND	
05_UGMW27	238	1.0 U	0.6J	Mar-93	1.0 U	0.9J	Mar-92	1.0 U	ND	
05NEW1	203	1.0 U	ND		1.0 U	ND		1.0 U	ND	
06_DGMW69	190	NS	ND		NS	ND		NS	ND	
06_UGMW28	180	9.0	19.0	Feb-96	2.0	ND		1.0 U	ND	
07_DGMW43	150	4.0	3.0	Feb-96	1.0 U	ND		1.0 U	0.3J	
07_DGMW70	165	2.0	1.0	Feb-96	1.0 U	ND		4.0	4.0	Jan-93
07_DGMW71	155	10.0	23.0	Dec-92	1.0 U	ND		1.0 U	ND	
07_DGMW72	150	83.0	120.0E	Nov-92	1.0	2.0	Oct-93	2.0	4.0	Nov-93
07_DGMW91	150	104.0	62.0	Feb-96	5.0	4.0	Feb-96	2.0	2.0	Feb-96
07_DGMW100	171	1.0 U	ND		1.0 U	ND		1.0 U	0.6J	Jun-93
08_DGMW73	130	62.0	160.0E	Feb-92	10.0	7.0	Feb-92	1.0 U	0.9J	Jul-93
08_DGMW74	130	103.0 D	100.0D	Jul-93	1.0	8.0	Nov-92	2.0	6.0	Nov-92
08_UGMW29	135	17.0	20.0	Aug-92	1.0 U	ND		1.0 U	ND	
09_DGMW45	157	604.0	2000.0E	Nov-92	6.0	8.0	Oct-92	4.0	7.0	Nov-92
09_DGMW75	154	468.0	293.0	Feb-96	9.0	8.0	Jan-92	3.0	3.0	Jan-92
10_DGMW77	170	105.0	61.0 D	Aug-93	3.0	8.0	Nov-92	2.0	3.0	Jan-92
12_DGMW48	135	0.8 J	19.0	Feb-96	13.0	18.0	Nov-92	1.0 U	0.6J	May-93
12_UGMW31	145	19.0	12.0	Feb-96	5.0	1.0	Feb-96	1.0 U	ND	
13_DGMW49	182	1.0 U	ND		1.0 U	ND		1.0 U	ND	
13_DGMW78	167	1.0 U	ND		1.0 U	ND		1.0 U	ND	
13_UGMW32	184	NS	ND		NS	ND		NS	ND	
14_DGMW50	160	2.0	3.0	Jun-93	1.0 U	ND		9.0	26.0	Jan-93
14_DGMW79	158	1.0	2.0	Nov-92	1.0 U	ND		9.0	5.0	Feb-96
15_DGMW51	165	39.0	ND		6.0	ND		1.0 U	ND	
16_DGMW52	222	0.6J	1.0	Jul-93	1.0 U	ND		1.0 U	ND	
16_DGMW81	215	1.0 U	ND		1.0 U	ND		1.0 U	ND	
16_UGMW33	220	1.0 U	0.8J	Jul-93	1.0 U	ND		1.0 U	ND	
17_DGMW82	255	1.0 U	ND		1.0 U	ND		1.0 U	ND	
17NEW1	226	1.0 U	ND		1.0 U	ND		1.0 U	ND	
17NEW2	123	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP06D	178	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP06E	115	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP08D	136	1.0 U	ND		1.0 U	0.5 J	Oct-92	1.0 U	ND	
18_BGMP08E	171	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP09D	232	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP09E	143	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP09F	69	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW0D	262	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW0E	225	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW02E	233	1.0 U	3.0J	Jan-93	1.0	1.0	Feb-96	1.0 U	ND	
18_BGMW03C	242	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW03E	164	196.0	370.0E	Dec-92	1.0	1.0	Dec-92	0.7J	1.0	Dec-92
18_BGMW04B	210	6.0	14.0	Sep-92	5.0	11.0	Sep-92	1.0 U	ND	
18_BGMW05C	245	1.0 U	1.0	Feb-96	1.0 U	ND		1.0 U	ND	
18_BGMW05D	133	23.0	56.0	Dec-93	19.0	30.0	Mar-92	1.0 U	ND	
18_BGMW07	85	NS	2.0	Jun-93	NS	ND		NS	ND	
18_BGMW12	205	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW14	115	1.0 U	6.0	Feb-96	1.0 U	ND		1.0 U	ND	
18_BGMW15	215	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW16	263	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW17	255	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW18	160	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW19D	170	1.0 U	6.0	Feb-96	1.0 U	ND		1.0 U	ND	
18_BGMW19E	158	1.0 U	1.0	Dec-92	1.0 U	ND		1.0 U	ND	
18_BGMW22	287	1.0	0.7J	Sep-92	1.0 U	ND		1.0 U	ND	
18_BGMW23	104	2.0	6.0	Feb-96	0.8J	ND		1.0 U	ND	
18_BGMW24	71	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW101	130	21.0	29.0	Nov-92	1.0 U	ND		1.0 U	ND	
18_DW195	138	18.0	12.0	Feb-96	1.0 U	ND		19.0	61.0	Sep-88
18_DW250	250	1.0 U	1.0	Jun-93	1.0 U	ND		11.0	15.0	Sep-88
18_MCAS01-1	170	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_MCAS01-2	160	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_MCAS01-3	220	3.0	3.4	May-92	1.0 U	ND		1.0 U	ND	
18_MCAS02-1	50	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_MCAS02-2	140	1.0 U	0.5J	Sep-91	1.0 U	ND		1.0 U	ND	
18_MCAS02-3	210	3.0	4.0	Jan-96	1.0 U	ND		1.0 U	ND	
18_MCAS03-1	95	5.0	2.0	Feb-96	1.0 U	ND		1.0 U	ND	
18_MCAS03-2	170	115.0	52.4	Nov-93	2.0	2.2	Oct-91	1.0 U	ND	
18_MCAS03-3	230	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_MCAS06A	130	4.0	1.0	Feb-96	1.0 U	ND		1.0 U	ND	
18_MCAS07-1	100	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_MCAS07-2	200	1.0	3.2	Jan-89	1.0 U	ND		1.0 U	ND	
18_PS1	122	15.0	19.0	Dec-88	1.0 U	0.8J	Feb-93	1.0 U	1.0 J	Feb-93
18_PS2	133	12.0	4.0	Jan-96	1.0 U	ND		1.0 U	ND	
18_PS3	122	9.0	79.00	Jul-93	17.0	81.0	Jan-89	1.0 U	0.4	Jan-89
18_PS4	118	8.0	78.0	Jan-89	13.0	46.0	Jan-89	1.0 U	ND	
18_PS5	126	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_PS6	150	33.0	11.0	Jan-89	10.0	3.0	Jan-96	1.0	1.3	Jan-89
18_PS7	126	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_PS8	145	157.0	90.0	Jan-89	1.0	1.0	Dec-92	2.0	3.0	Dec-92
19_DGMW54	181	2.0	4.0	Feb-96	3.0	1.0	Jan-93	1.0 U	ND	
19_DGMW85	183	5.0	5.0	Feb-96	4.0	ND		1.0 U	ND	
19_DGMW86	198	11.0	3.0	Feb-96	10.0	ND		1.0 U	ND	
19_UGMW35	186	3.0	ND		2.0	1.0	Feb-96	1.0 U	ND	
20_DGMW55	227	1.0 U	0.5J	Sep-92	1.0 U	ND		1.0 U	ND	
20_DGMW88	225	1.0 U	ND		1.0 U	ND		1.0 U	ND	
20_UGMW36	223	1.0 U	ND		1.0 U	ND		1.0 U	ND	
21_DGMW56	132	7.0	47.0	Feb-96	4.0	1.0	Feb-96	1.0 U	ND	
21_DGMW90	135	3.0	3.0	Feb-96	2.0	2.0	Feb-96	1.0 U	ND	
21_UGMW37	130	25.0	12.0	Nov-92	13.0	7.0	Nov-92	1.0 U	ND	
22_DGMW47	156	990.0	1200.00	Jul-93	5.0	7.0	Sep-92	3.0	5.0	Jul-93
24NEW1	245	102.0	1.0	Oct-95	2.0	ND		1.0 U	ND	
24NEW4	148	1110.0	1000.0	Oct-95	2.0	ND		2.0	ND	
24NEW5	250	0.7J	ND		2.0	ND		1.0 U	ND	
24NEW6	185	29.0	30.0	Oct-95	13.0	11.0	Oct-95	1.0 U	ND	
24NEW7	158	33.0	27.0	Oct-95	1.0	ND		0.9J	0.6J	Oct-95
24NEW8	152	4.0	ND		1.0	ND		2.0	0.5J	Nov-95

EXPLANATION

For Nov-Dec 1996 (Round 4) sampling, table lists TCE, PCE, and carbon tetrachloride results with following laboratory qualification codes:
U = compound was analyzed for but not detected above the listed detection limit; J = estimated value.
NS = not sampled during Round 4.
"Maximum Detected" results are from sampling rounds conducted prior to Nov-Dec 1996, as listed in Table 4-1 of the Monitoring Report.
ND = not detected; J = estimated value; D = result obtained from diluted sample; E = result exceeds instrument calibration range.



LEGEND

- Monitoring Well
- Monitoring Well Cluster
- Multiport Monitoring Well
- Water Supply Well
- MCAS El Toro Boundary
- Road
- Freeway

TCE Results, Shallow Groundwater Unit, Nov.-Dec. 1996

TCE concentration, ug/L — NS - Not Sampled

08_DGMW74 Well *103* *D*

Station I.D. — Data Flag

U - Undetected
J - Estimated
D - Dilution

Shallow Groundwater Well I.D. in Bold
Principal Aquifer Well I.D. Screened

—50— Inferred TCE Isoconcentration Contour 5, 50, and 500 Micrograms per Liter (ug/L)

- 5 to 50 ug/L TCE
- 50 to 500 ug/L TCE
- greater than 500 ug/L TCE

Map Source: CLEAN II, Bechtel National, Inc.

Marine Corps Air Station, El Toro, California

TCE Concentrations in the Shallow Groundwater Unit

November - December 1996

MCAS El Toro Groundwater Monitoring Report

CDM FEDERAL PROGRAMS CORPORATION
a subsidiary of Camp Dresser & McKee Inc.

Figure 4-1

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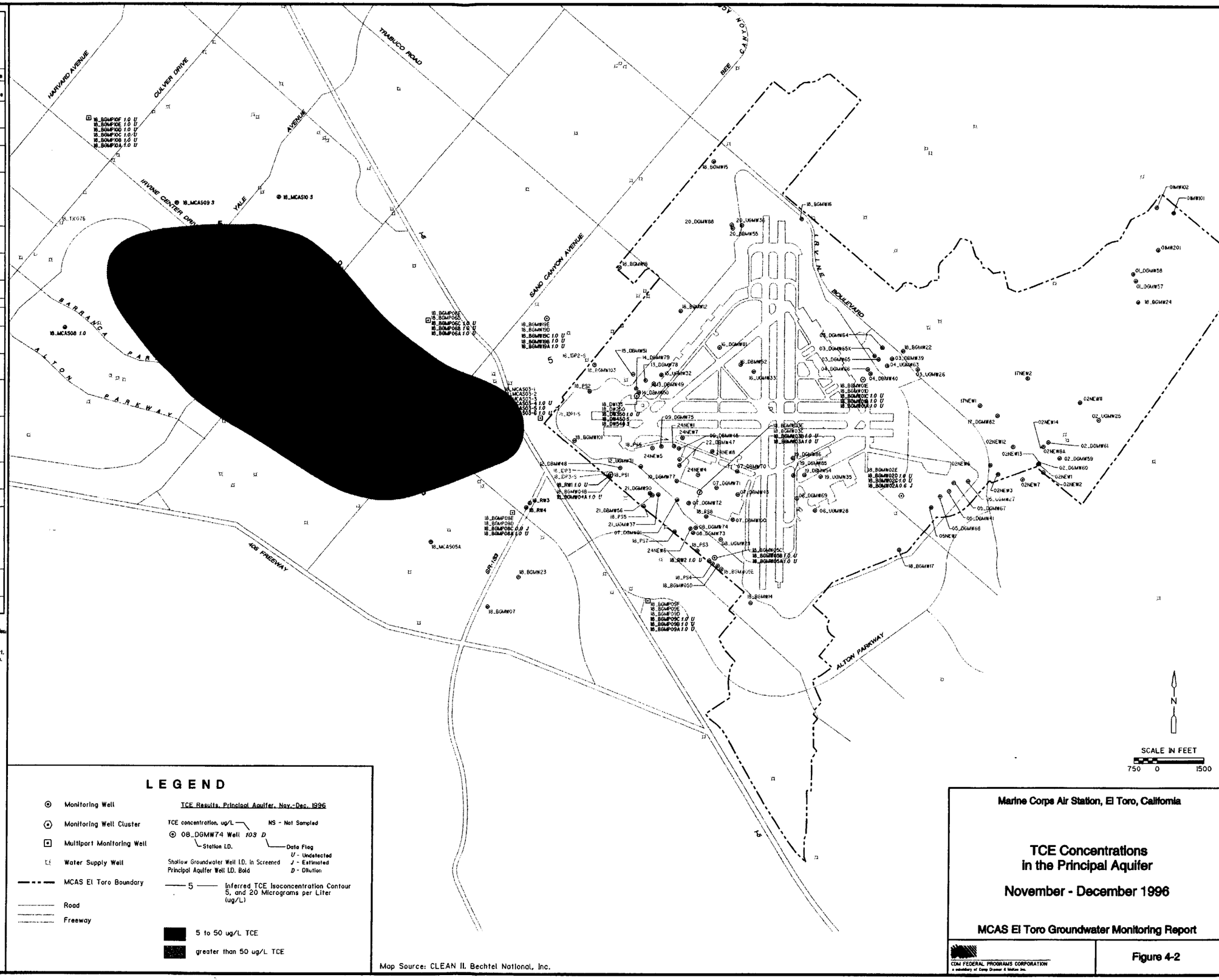
VOC ANALYSES – PRINCIPAL AQUIFER AND DEEP GROUNDWATER UNITS

Current Sampling Results and Maximum Detected Concentrations

Concentrations in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (ft BGS)	Trichloroethene (TCE)			Tetrachloroethene (PCE)			Carbon Tetrachloride		
		Nov-Dec 1996	Max. Detected	Date	Nov-Dec 1996	Max. Detected	Date	Nov-Dec 1996	Max. Detected	Date
18_BGMP06A	455	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP06B	390	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP06C	305	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP08A	449	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP08C	307	0.9J	1.0	Jan-96	1.0 U	ND		1.0 U	ND	
18_BGMP09A	463	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP09B	384	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP09C	278	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP10A	1011	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP10B	897	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP10C	762	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP10D	573	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP10E	439	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP10F	299	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW01A	486	1.0 U	1.0	Nov-92	1.0 U	ND		1.0 U	ND	
18_BGMW01B	416	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW01C	350	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW02A	482	0.6J	1.0	Jan-96	1.0 U	0.5J	Dec-92	1.0 U	ND	
18_BGMW02C	378	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW02D	314	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW03A	390	1.0 U	1.0	Jan-96	1.0 U	ND		1.0 U	ND	
18_BGMW03B	300	1.0 U	0.8J	Jul-93	1.0 U	ND		1.0 U	ND	
18_BGMW04A	306	1.0 U	1.0	Jan-96	1.0 U	ND		1.0 U	ND	
18_BGMW05A	482	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW05B	341	1.0 U	2.0	Feb-96	1.0 U	ND		1.0 U	ND	
18_BGMW19A	468	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMW19B	420	1.0 U	0.7J	Dec-92	1.0 U	ND		1.0 U	ND	
18_BGMW19C	277	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_DW350	350	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_DW450	460	5.0	4.0	Jan-96	2.0	1.0	Jan-96	1.0 U	ND	
18_DW540	540	3.0	4.0	Jan-96	1.0	1.0	Jan-96	1.0 U	ND	
18_MCAS01-4	280	8.0	8.1	May-89	1.0 U	ND		1.0 U	ND	
18_MCAS01-5	340	28.0	48.2	Nov-91	1.0 U	ND		1.0 U	ND	
18_MCAS01-6	460	30.0	46.1	May-89	1.0 U	ND		1.0 U	ND	
18_MCAS01-7	550	1.0 U	0.5J	Apr-89	1.0 U	ND		1.0 U	ND	
18_MCAS02-4	380	16.0	37.2	Oct-89	1.0 U	0.5	Jun-93	1.0 U	ND	
18_MCAS02-5	430	24.0	38.9	Dec-88	1.0 U	ND		1.0 U	ND	
18_MCAS02-6	500	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_MCAS02-7	560	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_MCAS02-8	630	1.0 U	0.5J	Sep-91	1.0 U	ND		1.0 U	ND	
18_MCAS03-4	350	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_MCAS03-5	430	1.0	0.5J	Jul-91	1.0 U	ND		1.0 U	ND	
18_MCAS03-6	500	1.0 U	0.5J	Jul-91	1.0 U	ND		1.0 U	ND	
18_MCAS04	238	11.0	4.0	May-93	1.0 U	0.5J	Nov-90	1.0 U	ND	
18_MCAS06	222	6.0	3.4	Jul-92	1.0 U	ND		1.0 U	ND	
18_MCAS07-3	360	45.0	53.4	Oct-91	1.0 U	0.5J	Nov-90	1.0 U	ND	
18_MCAS07-4	450	33.0	46.1	Dec-92	1.0 U	ND		1.0 U	ND	
18_MCAS07-5	520	1.0 U	1.3	Mar-93	1.0 U	ND		1.0 U	ND	
18_MCAS07-6	810	1.0 U	ND		1.0 U	0.7	Nov-88	1.0 U	ND	
18_MCAS07-7	920	1.0 U	0.5J	Jul-91	1.0 U	0.8	Nov-88	1.0 U	ND	
18_MCAS07-8	990	1.0 U	0.5J	Jul-91	1.0 U	0.7	Oct-88	1.0 U	ND	
18_MCAS07-9	1110	1.0 U	ND		1.0 U	0.7	Oct-88	1.0 U	ND	
18_MCAS08	410	1.0	ND		1.0 U	ND		1.0 U	ND	
18_MCAS09	445	3.0	2.5	Apr-93	1.0 U	ND		1.0 U	ND	
18_MCAS10	375	3.0	ND		1.0 U	ND				
18_RW1	470	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_RW2	310	1.0 U	ND		1.0 U	ND		1.0 U	ND	

For Nov-Dec 1996 (Round 4) sampling, table lists TCE, PCE, and carbon tetrachloride results with following laboratory qualification codes:
U = compound was analyzed for but not detected above the listed detection limit; J = estimated value.
NS = not sampled during Round 4.
"Maximum Detected" results are from sampling rounds conducted prior to Nov-Dec 1996, as listed in Table 4-1 of the Monitoring Report.
ND = not detected; J = estimated value; D = result obtained from diluted sample; E = result exceeds instrument calibration range.



LEGEND

- Monitoring Well
- Monitoring Well Cluster
- Multiport Monitoring Well
- Water Supply Well
- MCAS El Toro Boundary
- Road
- Freeway

TCE Results, Principal Aquifer, Nov.-Dec. 1996

TCE concentration, ug/L — NS - Not Sampled

08_DGMW74 Well 103 D

Station I.D. — Data Flag: U - Undetected; J - Estimated; D - Dilution

Shallow Groundwater Well I.D. in Screened
Principal Aquifer Well I.D. Bold

5 — Inferred TCE Isoconcentration Contour 5, and 20 Micrograms per Liter (ug/L)

5 to 50 ug/L TCE

greater than 50 ug/L TCE

Map Source: CLEAN II, Bechtel National, Inc.

Marine Corps Air Station, El Toro, California

TCE Concentrations in the Principal Aquifer

November - December 1996

MCAS El Toro Groundwater Monitoring Report

CDM FEDERAL PROGRAMS CORPORATION
a subsidiary of Camp Dresser & McKee Inc.

Figure 4-2

5.0 SEMIVOLATILE ORGANIC COMPOUND ANALYSES

During the November-December 1996 sampling round, groundwater samples were collected from 79 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 (1992-1993) and Phase II RI (1995-1996). 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 Appendix E (Volume II).

Semivolatile TCL compounds were detected above the CRDL of 10 μg/L in groundwater samples collected from a total of 13 monitoring wells of the 79 wells sampled. The primary SVOCs found in the samples were diethyl phthalate (detected in 14 samples) and di-n-butyl phthalate (detected in 11 samples). The samples with the highest concentrations of diethyl phthalate were collected from Well 18 MCAS05A (69 μg/L) and Well 20 DBMW55 (40 μg/L). The samples with the highest concentrations of di-n-butyl phthalate were collected from Well 04 UGMW63 (25 μg/L) and Well 03 UGMW26 (20 μg/L). Other SVOCs detected include napthalene (Well 18 BGMW01D, 46 μg/L) and N-nitrosodiphenylamine (Wells 18 BGMW01A, 24 μg/L, and 18 BGMW02A, 15 μg/L).

All of the SVOCs detected in the current sampling round were found in the prior groundwater sampling rounds except 2-methylnaphthalene, which was detected at a concentration of 4.2 J μg/L in sample Well 18 BGMW01D.

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	49.00		4.0	2
		7-Feb-96	64	0					
		8-Apr-96	64	0					
		20-Nov-96	64	0					
01_DGMW58	77	14-Dec-92	64	0					
		14-Jun-93	64	0					
		14-Jun-93	64	0					
		5-Apr-96	64	0					
		18-Nov-96	64	1	DIETHYL PHTHALATE	26.00			NA
01_MW101	148	2-Apr-96	64	0					
		20-Nov-96	64	0					
01_MW102	135	2-Apr-96	64	0					
		20-Nov-96	64	0					
01_MW201	57	8-Apr-96	64	1	FLUORENE	0.14			NA
		18-Nov-96	64	3	BUTYL BENZYL PHTHALATE	3.00	J		NA
					DIETHYL PHTHALATE	5.80	J		NA
					DI-N-BUTYL PHTHALATE	1.90	J		NA
02_DGMW59	89	15-Dec-92	64	0					
		23-Jun-93	64	0					
		15-Aug-95	64	0					
		28-Nov-95	64	0					
		6-Feb-96	64	0					
		4-Nov-96	64	0					
02_DGMW60	100	18-Nov-92	64	0					
		23-Jun-93	64	0					
		15-Aug-95	64	0					
		28-Nov-95	64	17	ACENAPHTHENE	1.70			NA
					ANTHRACENE	1.60			NA
					ACENAPHTHYLENE	1.70			NA
					ANTHRACENE	1.60			NA
					BENZO ANTHRACENE	0.19			NA
					BENZO PYRENE	0.17			NA
					BENZO FLUORANTHENE	0.19			NA
					BENZO PERYLENE	0.17			NA
					BENZO FLUROANTHENE	0.10			NA
					CHRYSENE	0.19			NA
					DIBENZO ANTHRACENE	0.13			NA
					FLUORANTHENE	0.19			NA
					FLUORENE	1.70			NA
					INDENO PYRENE	0.17			NA
					NAPHTHALENE	1.40			NA
					PHENANTHRENE	1.70			NA
					PYRENE	0.19			NA
		6-Feb-96	64	0					
		4-Nov-96	64	0					
02_DGMW61	100	14-Dec-92	64	0					
		22-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	2.00	J	4.0	2
		1-Aug-95	64	0					
		1-Nov-95	64	0					
		8-Feb-96	64	0					
		4-Nov-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
02_UGMW25	75	9-Dec-92	64	0					
		22-Jun-93	64	0					
		17-Aug-95	64	0					
		28-Nov-95	64	1	BENZO PERYLENE	0.03			NA
		7-Feb-96	64	0					
		12-Nov-96	64	0					
02_NEW1	135	26-Dec-95	64	3	BIS(2-ETHYLHEXYL)PHTHALATE	2.00	B	40.0	2
					DI-N-BUTYL PHTHALATE	0.60	JB		NA
					PHENOL	0.30	J		NA
		4-Nov-96	64	0					
02_NEW2	95	21-Dec-95	64	9	BENZO ANTHRACENE	0.10			NA
					BENZO PYRENE	0.10			NA
					BENZO PERYLENE	0.20	J		NA
					BENZO PERYLENE	0.03			NA
					BENZO FLUROANTHENE	0.20			NA
					BIS(2-ETHYLHEXYL)PHTHALATE	2.00	B	40.0	2
					DI-N-BUTYL PHTHALATE	0.10	JB		NA
					DIBENZO ANTHRACENE	0.20			NA
					INDENO PYRENE	0.20	J		NA
		26-Nov-96	64	0					
		21-Dec-96	64	0					
02_NEW3	225	28-Dec-95	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	2.00	B	40.0	2
					DI-N-BUTYL PHTHALATE	0.60	JB		NA
		7-Nov-96	64	0					
02_NEW6	225	##########	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	1.00	B	40.0	2
					DI-N-BUTYL PHTHALATE	0.50	JB		NA
		7-Nov-96	64	0					
02_NEW7	143	27-Dec-95	64	3	BIS(2-ETHYLHEXYL)PHTHALATE	3.00	B	40.0	2
					DI-N-BUTYL PHTHALATE	0.60	JB		NA
					PYRENE	0.20	J		NA
		8-Jan-97	64	0					
02_NEW8A	104	27-Dec-95	64	3	BIS(2-ETHYLHEXYL)PHTHALATE	2.00	B	40.0	2
					DI-N-BUTYL PHTHALATE	0.20	JB		NA
					NAPHTHALENE	0.10	J		NA
		7-Nov-96	64	0					
02_NEW11	65	21-Dec-95	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	11.00	B	40.0	2
					DI-N-BUTYL PHTHALATE	0.30	JB		NA
		12-Nov-96	64	0					
02_NEW12	249	28-Dec-95	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	2.00	B	40.0	2
					DI-N-BUTYL PHTHALATE	0.50	JB		NA
03_DBMW39	270	9-Oct-92	64	0					
		21-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	9.00	J	4.0	2
		21-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	14.00		4.0	2
		30-Jan-96	64	0					
		12-Nov-96	64	0					
03_DGMW64	285	15-Jan-93	64	0					
		2-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	6.00	J	4.0	2
		26-Feb-96	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	11.00		4.0	2
		12-Nov-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
03_DGMW65X	270	18-Jan-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	2.00	J	4.0	2
		7-Jul-93	64	0					
		26-Feb-96	64	0					
		11-Nov-96	64	1	DIETHYL PHTHALATE	6.00	J		NA
03_UGMW26	270	1-Oct-92	64	0					
		23-Jun-93	64	0					
		27-Feb-96	64	0					
		14-Nov-96	64	1	DIETHYL PHTHALATE	13.00			NA
		14-Nov-96	64	1	DI-N-BUTYL PHTHALATE	20.00			NA
04_DBMW40	260	3-Dec-92	64	0					
		24-Jun-93	64	0					
		26-Feb-96	64	0					
		12-Nov-96	64	0					
04_DGMW66	290	20-Nov-92	64	0					
		24-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	3.00	J	4.0	2
		26-Feb-96	64	0					
		12-Nov-96	64	0					
04_UGMW63	275	24-Nov-92	64	0					
		25-Jun-93	64	0					
		30-Jan-96	64	0					
		14-Nov-96	64	1	DIETHYL PHTHALATE	26.00			NA
		14-Nov-96	64	1	DI-N-BUTYL PHTHALATE	25.00			NA
05_DBMW41	222	16-Nov-92	64	0					
		16-Nov-92	64	0					
		20-Oct-93	64	0					
		5-Dec-95	64	0					
		7-Feb-96	64	0					
		13-Nov-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	12.00		4.0	2
		6-Dec-95	64	1	DI-N-BUTYL PHTHALATE	0.20	J		NA
		9-Feb-96	64	0					
		13-Nov-96	64	0					
05_DGMW68	210	17-Dec-92	64	0					
		29-Jun-93	64	0					
		9-Jan-96	64	0					
		27-Feb-96	64	0					
		15-Nov-96	64	0					
05_NEW1	203	17-Aug-95	64	1	DI-N-BUTYL PHTHALATE	0.50	J		NA
		28-Dec-95	64	0					
		13-Nov-96	64	0					
05_UGMW27	238	3-Dec-92	64	0					
		3-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	8.00	J	4.0	2
		3-Jun-93	64	0					
		3-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	8.00	J	4.0	2
		3-Jun-93	64	0					
		17-Aug-95	64	0					
		8-Dec-95	64	0					
		29-Jan-96	64	0					
		13-Nov-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
06_DGMW69	190	2-Dec-92	64	1	PHENOL	14.00		5.0	3
		7-Jul-93	64	0					
		2-Feb-96	64	0					
06_UGMW28	180	13-Nov-92	64	1	BENZYL BUTYL PHTHALATE	3.00	J		NA
		9-Jul-93	64	0					
		16-Feb-96	64	0					
		3-Dec-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	4.00	J	4.0	2
		13-Feb-96	64	0					
		21-Nov-96	64	1	DIETHYL PHTHALATE	20.00			NA
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					
		20-Nov-95	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	19.00			NA
		13-Aug-93	64	0					
		14-Feb-96	64	0					
		3-Dec-96	64	1	BUTYL BENZYL PHTHALATE	1.60	J		NA
12_DBMW48	135	17-Nov-92	64	0					
		27-Jul-93	64	0					
		16-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
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	3.00	J	4.0	2
		30-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	5.00	J	4.0	2
		30-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	3.00	J	4.0	2
		30-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	5.00	J	4.0	2
		6-Feb-96	64	0					
		19-Nov-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	26.00		4.0	2
		28-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	4.00	J	4.0	2
		5-Feb-96	64	0					
14_DBMW50	160	2-Dec-92	64	0					
		29-Jun-93	64	0					
		5-Feb-96	64	1	DIETHYL PHTHALATE (DEP)	27.00			NA
		5-Feb-96	64	1	DIETHYL PHTHALATE (DEP)	38.00			NA
14_DGMW79	158	20-Nov-92	64	0					
		16-Jun-93	64	0					
		5-Feb-96	64	1	DIETHYL PHTHALATE (DEP)	21.00			NA
15_DBMW51	165	4-Dec-92	64	0					
		13-Aug-93	64	0					
		8-Oct-93	64	1	PHENOL	3.00	J	5.0	3
		6-Feb-96	64	0					
		3-Dec-96	64	1	BUTYL BENZYL PHTHALATE	2.20	J		NA
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	7.00	J	4.0	2
		3-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	10.00	J	4.0	2
		6-Dec-95	64	0					
		9-Feb-96	64	0					
		20-Nov-96	64	0					
17_NEW1	226	6-Dec-95	64	0					
		12-Jan-96	64	3	BIS(2-ETHYLHEXYL)PHTHALATE	0.80	BJ	4.0	2
					DI-N-BUTYL PHTHALATE	0.20	BJ		NA
		20-Nov-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
17_NEW2	123	3-Jan-96	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	5.00	BJ	4.0	2
					DI-N-BUTYL PHTHALATE	1.00	BJ		NA
		20-Nov-96	64	0					
		20-Nov-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					
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					

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_BGMP10B	896	25-Jan-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	2.00	J	4.0	2
		25-Jan-93	64	0					
		30-Jul-93	64	0					
		23-Jan-96	64	1	DIETHYL PHTHALATE	11.00			NA
		19-Nov-96	64	0					
18_BGMP10C	762	23-Jan-93	64	0					
		1-Jul-93	64	0					
18_BGMP10D	573	22-Jan-93	64	0					
		28-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	4.00	J	4.0	2
		23-Jan-96	64	0					
		19-Nov-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	7.00	J	4.0	2
		1-Jul-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	15.00		4.0	2
					N-NITROSODIPHENYLAMINE	43.00			NA
		1-Jul-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	10.00	J	4.0	2
					N-NITROSODIPHENYLAMINE	38.00			NA
		1-Jul-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	15.00		4.0	2
					N-NITROSODIPHENYLAMINE	43.00			NA
		1-Jul-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	10.00	J	4.0	2
					N-NITROSODIPHENYLAMINE	38.00			NA
		26-Jan-96	64	1	N-NITROSODIPHENYLAMINE	49.00			NA
		26-Jan-96	64	1	N-NITROSODIPHENYLAMINE	51.00			NA
		8-Nov-96	64	1	N-NITROSODIPHENYLAMINE	24.00			
18_BGMW01B	416	14-Dec-92	64	0					
		22-Jun-93	64	1	N-NITROSODIPHENYLAMINE	5.00	J		NA
		26-Jan-96	64	0					
		6-Nov-96	64	0					
18_BGMW01C	350	16-Dec-92	64	0					
		24-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	2.00	J	4.0	2
		23-Jan-96	64	0					
		5-Nov-96	64	0					
18_BGMW01D	262	9-Dec-92	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	2.00	J	4.0	2
		23-Jan-96	64	1	NAPHTHALENE	35.00			NA
		1-Nov-96	64	3	2-METHYLNAPHTHALENE	4.20	J		NA
					DI-N-BUTYL PHTHALATE	4.30	J		NA
					NAPHTHALENE	46.00			NA
18_BGMW01E	225	27-Oct-92	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	19.00		4.0	2
		27-Oct-92	64	0					
		18-Jun-93	64	0					
		5-Feb-96	64	0					
		1-Nov-96	64	1	DI-N-BUTYL PHTHALATE	3.40	J		NA
18_BGMW02A	482	21-Dec-92	64	0					
		8-Jun-93	64	1	N-NITROSODIPHENYLAMINE	11.00			NA
		19-Jan-96	64	0					
		19-Nov-96	64	1	N-NITROSODIPHENYLAMINE	15.00			NA
18_BGMW02C	378	22-Dec-92	64	0					
		22-Dec-92	64	0					
		9-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_BGMW02D	314	18-Dec-92	64	0					
		15-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	5.00	J	4.0	2
		15-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	5.00	J	4.0	2
		15-Jun-93	64	0					
		15-Jun-93	64	0					
		17-Jan-96	64	0					
		6-Nov-96	64	0					
18_BGMW02E	233	21-Sep-92	64	0					
		15-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	5.00	J	4.0	2
		1-Feb-96	64	0					
		1-Nov-96	64	1	DI-N-BUTYL PHTHALATE	4.10	J		NA
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	5.00	J	4.0	2
		14-Jul-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	6.00	J	4.0	2
		29-Feb-96	64	1	DIETHYL PHTHALATE (DEP)	13.00			NA
		7-Nov-96	64	0					
18_BGMW03C	242	17-Dec-92	64	0					
		15-Jul-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	8.00	J	4.0	2
		12-Feb-96	64	0					
		7-Nov-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	2.00	J	4.0	2
		13-Jul-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	4.00	J	4.0	2
		19-Jan-96	64	0					
		14-Nov-96	64	0					
18_BGMW05A	482	15-Dec-92	64	0					
		8-Jul-93	64	1	N-NITROSODIPHENYLAMINE	57.00			NA
		8-Jul-93	64	1	N-NITROSODIPHENYLAMINE	57.00			NA
		26-Jan-96	64	1	N-NITROSODIPHENYLAMINE	12.00			NA
		26-Jan-96	64	1	N-NITROSODIPHENYLAMINE	15.00			NA
		9-Jan-97	64	0					
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	3.00	J	4.0	2
		29-Feb-96	64	0					
		7-Nov-96	64	0					
18_BGMW05D	133	3-Nov-92	64	0					
		12-Jul-93	64	0					
		3-Dec-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_BGMW07	65	9-Dec-92	64	0					
		18-Jun-93	64	0					
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					
		8-Nov-96	64	0					
18_BGMW16	263	23-Oct-92	64	0					
		23-Oct-92	64	0					
		19-Jul-93	64	1	BENZYL BUTYL PHTHALATE	4.00	J		NA
		19-Jan-96	64	0					
		14-Nov-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	14.00		4.0	2
		11-Jun-93	64	0					
		11-Mar-96	64	0					
		4-Nov-96	64	1	DI-N-BUTYL PHTHALATE	3.70	J		NA
18_BGMW19C	277	24-Sep-92	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	3.00	J	4.0	2
		24-Sep-92	64	0					
		28-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	8.00	J	4.0	2
		29-Feb-96	64	0					
		5-Nov-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	3.00	J	4.0	2
		28-Jun-93	64	0					
		22-Jan-96	64	0					
		14-Nov-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					
18_BGMW101	130	13-Nov-92	64	0					
		19-Jul-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	5.00	J	4.0	2
		29-Jan-96	64	0					
		14-Nov-96	64	1	DIETHYL PHTHALATE	11.00			
18_DW135	135	22-Dec-92	64	0					
		22-Dec-92	64	0					

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

			ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
Station ID	Base Screen Depth (Ft BGS)	Sample Date	Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_DW250	250	21-Dec-92	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	17.00		4.0	2
					DIMETHYL PHTHALATE	200.00			NA
		6-Jul-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	10.00	J	4.0	2
					DIMETHYL PHTHALATE	140.00			NA
		31-Jan-96	64	0					
		5-Nov-96	64	0					
18_DW350	350	11-Jan-93	64	1	DIMETHYL PHTHALATE	220.00			
		15-Jun-93	64	1	DIMETHYL PHTHALATE	150.00			
		29-Jan-96	64	0					
		6-Nov-96	64	0					
18_DW450	450	12-Jan-93	64	1	DIMETHYL PHTHALATE	130.00			NA
		30-Jun-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	8.00	J	4.0	2
					DIMETHYL PHTHALATE	540.00	D		NA
		29-Jan-96	64	0					
		5-Nov-96	64	0					
18_DW540	540	13-Jan-93	64	1	DIMETHYL PHTHALATE	120.00			NA
		1-Jul-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	4.00	J	4.0	2
					DIMETHYL PHTHALATE	520.00	D		NA
		30-Jan-96	64	0					
		6-Nov-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					
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					
		6-Nov-96	64	0					
18MCAS03-3	230	19-Nov-93	64	1	BENZYL BUTYL PHTHALATE	0.80	J		NA
		6-Feb-96	64	0					
		6-Nov-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
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	120.00			NA
		9-Feb-96	64	0					
		19-Nov-96	64	1	DIETHYL PHTHALATE	3.90	J		NA
18_MCAS05	148	16-Jun-93	64	1	DIMETHYL PHTHALATE	74.00			NA
		16-Jun-93	64	1	DIMETHYL PHTHALATE	87.00			NA
18_MCAS05A	130	6-Feb-96	64	0					
		20-Nov-96	64	1	DIETHYL PHTHALATE	69.00			
		20-Nov-96	64	1	DIETHYL PHTHALATE	3.90	J		
18_MCAS06	222	16-Jun-93	64	1	DIMETHYL PHTHALATE	150.00			NA
		6-Feb-96	64	0					
		19-Nov-96	64	1	DIETHYL PHTHALATE	23.00			NA
18MCAS07-1	100	27-Oct-93	64	0					
		27-Oct-93	64	0					
		11-Nov-96	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					
18MCAS07-7	920	29-Oct-93	64	1	DIMETHYL PHTHALATE	41.00			NA
		8-Feb-96	64	0					
		20-Nov-96	64	0					
18MCAS07-8	990	1-Nov-93	64	1	4-METHYLPHENOL	41.00			NA
		8-Feb-96	64	0					
		20-Nov-96	64	0					
18MCAS07-9	1110	2-Nov-93	64	2	4-METHYLPHENOL	29.00			NA
					BIS(2-ETHYLHEXYL)PHTHALATE	2.00	J	4.0	2
		25-Jan-96	64	0					
		20-Nov-96	64	0					
18_MCAS08	410	5-Aug-93	64	1	DIMETHYL PHTHALATE	150.00			NA
		1-Feb-96	64	0					
		20-Nov-96	64	0					
18_MCAS09	445	5-Nov-93	64	1	DIMETHYL PHTHALATE	200.00	D		NA
		16-Jan-96	64	0					
		19-Nov-96	64	1	DI-N-BUTYL PHTHALATE	2.60	J		NA
18_MCAS10	375	4-Nov-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	3.00	J	4.0	2
					DIMETHYL PHTHALATE	310.00	D		NA
		19-Jan-96	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	31.00		4.0	2
		19-Nov-96	64	1	DI-N-BUTYL PHTHALATE	3.20	J		NA
18_PS1	122	2-Jul-93	64	1	DIMETHYL PHTHALATE	110.00			NA

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_PS2	133	15-Dec-92	64	0					
		12-Jul-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	8.00	J	4.0	2
					DIMETHYL PHTHALATE	700.00	D		NA
		18-Jan-96	64	0					
		25-Nov-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	5.00	J	4.0	2
					DIMETHYL PHTHALATE	740.00	D		NA
		22-Jan-96	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	10.00		4.0	2
					DIMETHYL PHTHALATE	27.00			NA
		11-Nov-96	64	0					
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	410.00	D		NA
		22-Jan-96	64	0					
		8-Nov-96	64	0					
18_PS8	145	14-Dec-92	64	0					
		6-Jul-93	64	1	DIMETHYL PHTHALATE	360.00	D		NA
		26-Jan-96	64	0					
		25-Nov-96	64	1	DIETHYL PHTHALATE	13.00			NA
18_RW1	470	14-Dec-92	64	0					
		15-Dec-92	64	0					
		8-Jul-93	64	1	DIMETHYL PHTHALATE	420.00	D		NA
		23-Jan-96	64	0					
		8-Nov-96	64	1	DIETHYL PHTHALATE	16.00			NA
18_RW2	310	22-Dec-92	64	0					
		13-Jul-93	64	1	DIMETHYL PHTHALATE	130.00			NA
		24-Jan-96	64	0					
		8-Nov-96	64	0					
18_RW3	390	4-Jun-93	64	1	DIMETHYL PHTHALATE	270.00	D		NA
18_RW4	85	7-Jun-93	64	2	BIS(2-ETHYLHEXYL)PHTHALATE	8.00	J	4.0	2
					DIMETHYL PHTHALATE	83.00			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					

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
20_DBMW55	227	9-Dec-92	64	0					
		17-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	23.00		4.0	2
		27-Feb-96	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	34.00		4.0	2
		14-Nov-96	64	1	DIETHYL PHTHALATE	40.00			
20_DGMW88	225	4-Nov-92	64	0					
		17-Jun-93	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	22.00		4.0	2
		1-Feb-96	64	0					
		25-Nov-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					
22_DBMW47	156	29-Sep-92	64	0					
		13-Jul-93	64	0					
		15-Feb-96	64	0					
24_NEW1	245	30-Oct-95	64	0					
24_NEW4	148	2-Nov-95	64	0					
24_NEW5	250	26-Oct-95	64	0					
24_NEW6	185	26-Oct-95	64	0					
24_NEW7	158	31-Oct-95	64	0					
24_NEW8	162	1-Nov-95	64	0					

EXPLANATION:

1) 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 Appendix G of the Quarterly Monitoring Report for qualifications from data validation.

2) Regulatory Standard Codes: 1 = Federal MCL, 2 = State MCL, 3 = State Action Level
TCL = target compound list, MCL = maximum contaminant level
J = estimated value, B = present in blank

3) = Result exceeds regulatory standard

6.0 PESTICIDE AND HERBICIDE ANALYSES

During the November-December 1996 sampling round, groundwater samples were collected from a limited group of monitoring wells/ports and analyzed for organochlorine pesticides and PCBs using the 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 Appendix E (Volume II).

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 and Phase II RI. A total of 32 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 32 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					
		15-Aug-95	28	0					
		28-Nov-95	28	0					
		6-Feb-96	28	0					
		6-Feb-96	28	0					
		4-Nov-96	28	0					
02_DGMW60	100	18-Nov-92	28	0					
		23-Jun-93	28	0					
		15-Aug-95	28	0					
		28-Nov-95	28	0					
		6-Feb-96	28	0					
		6-Feb-96	28	0					
		4-Nov-96	28	0					
02_DGMW61	100	14-Dec-92	28	0					
		22-Jun-93	28	0					
		15-Aug-95	28	0					
		28-Nov-95	28	0					
		8-Feb-96	28	0					
		4-Nov-96	28	0					
02_NEW1	135	26-Dec-95	28	0					
		4-Nov-96	28	0					
02_NEW2	95	21-Dec-95	28	0					
		26-Nov-96	28	0					
02_NEW3	225	28-Dec-95	28	0					
		7-Nov-96	28	0					
02_NEW6	225	27-Dec-95	28	0					
		7-Nov-96	28	0					
02_NEW7	143	27-Dec-95	28	0					
		8-Jan-97	28	0					
02_NEW8A	104	27-Dec-95	28	0					
		7-Nov-96	28	0					
02_NEW11	65	21-Dec-95	28	0					
		12-Nov-96	28	0					
02_NEW12	249	28-Dec-95	28	1	HEPTACHLOR	0.03		0.01	2
		7-Nov-96	28	0					
02_UGMW25	75	9-Dec-92	28	0					
		22-Jun-93	28	0					
		17-Aug-95	28	0					
		28-Nov-95	28	0					
		7-Feb-96	28	0					
		12-Nov-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
03_DBMW39	270	9-Oct-92	28	0					
		21-Jun-93	28	0					
		21-Jun-93	28	0					
		30-Jan-96	28	0					
		12-Nov-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					
		12-Nov-96	28	0					
03_DGMW65X	270	18-Jan-93	28	0					
		7-Jul-93	28	0					
		26-Feb-96	28	0					
		11-Nov-96	28	0					
03_UGMW26	270	1-Oct-92	28	0					
		23-Jun-93	28	0					
		27-Feb-96	28	0					
		14-Nov-96	28	0					
04_DBMW40	260	3-Dec-92	28	0					
		24-Jun-93	28	0					
		26-Feb-96	28	0					
		12-Nov-96	28	0					
04_DGMW66	290	20-Nov-92	28	0					
		24-Jun-93	28	0					
		26-Feb-96	28	0					
		12-Nov-96	28	0					
04_UGMW63	275	24-Nov-92	28	0					
		25-Jun-93	28	0					
		30-Jan-96	28	0					
		14-Nov-96	28	0					
05_DBMW41	222	16-Nov-92	28	0					
		16-Nov-92	28	0					
		20-Oct-93	28	0					
		5-Dec-95	28	0					
		5-Dec-95	28	0					
		7-Feb-96	28	0					
		13-Nov-96	28	0					
05_DGMW67	227	30-Nov-92	28	0					
		30-Nov-92	28	0					
		3-Jun-93	28	0					
		6-Dec-95	28	0					
		9-Feb-96	28	0					
		13-Nov-96	28	0					
05_DGMW68	210	17-Dec-92	28	0					
		29-Jun-93	28	0					
		9-Jan-96	28	0					
		27-Feb-96	28	0					
		15-Nov-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
05_UGMW27	238	3-Dec-92	28	0					
		3-Jun-93	28	0					
		3-Jun-93	28	0					
		17-Aug-95	28	0					
		8-Dec-95	28	0					
		29-Jan-96	28	0					
		13-Nov-96	28	0					
05_NEW1		28-Dec-95	28	0					
		13-Nov-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					
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					
		25-Nov-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					

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
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					
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					
		6-Dec-95	28	0					
		9-Feb-96	28	0					
		20-Nov-96	28	0					
17_NEW1	226	12-Jan-96	28	0					
		20-Nov-96	28	0					
17_NEW2	123	3-Jan-96	28	0					
		20-Nov-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					

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_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					
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					
18_BGMW01B	416	14-Dec-92	28	0					
		22-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_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					
		1-Nov-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					
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					

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_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					
		5-Nov-96	28	0					
18_BGMW19D	170	25-Sep-92	28	0					
		14-Jun-93	28	0					
18_BGMW19E	138	12-Nov-92	28	4	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					
		20-Nov-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					

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_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					
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					
18_PS6	125	15-Dec-92	28	0					
		15-Dec-92	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_PS7	126	16-Dec-92	28	1	ENDOSULFAN SULFATE	0.003			NA
		2-Jul-93	28	0					
		22-Jan-96	28	0					
		8-Nov-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					
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

1) The November - December 1996 sample results listed in this table are as reported in the APCL laboratory analytical reports (Appendix E, Groundwater Monitoring Report).
Refer to Appendix D of the Groundwater Monitoring Report for qualifications from data validation.

2) Regulatory Standard Codes: 1 = Federal MCL, 2 = State MCL, 3 = State Action Level, NA = not applicable or established
TCL = target compound list, MCL = maximum contaminant level
J = estimated value

3) = 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					
		15-Aug-95	10	0					
		28-Nov-95	10	0					
		6-Feb-96	8	0					
		4-Nov-96	8	0					
02_DGMW60	100	18-Nov-92	10	0					
		23-Jun-93	10	0					
		15-Aug-95	10	0					
		28-Nov-95	10	0					
		6-Feb-96	8	0					
		4-Nov-96	8	0					
02_DGMW61	100	14-Dec-92	10	0					
		22-Jun-93	10	0					
		15-Aug-95	10	0					
		28-Nov-95	10	0					
		8-Feb-96	8	0					
		4-Nov-96	8	0					
02_NEW1	135	26-Dec-95	10	0					
		4-Nov-96	8	0					
02_NEW2	95	21-Dec-95	10	0					
		26-Nov-96	8	0					
02_NEW3	225	28-Dec-95	10	0					
		7-Nov-96	8	0					
02_NEW6	225	27-Dec-95	10	0					
		7-Nov-96	8	0					
02_NEW7	143	27-Dec-95	10	0					
		8-Jan-97	8	0					
02_NEW8A	104	27-Dec-95	10	0					
		7-Nov-96	8	0					
02_NEW11	65	21-Dec-95	10	0					
		12-Nov-96	8	0					
02_NEW12	249	28-Dec-95	10	0					
		7-Nov-96	8	0					
02_UGMW25	75	9-Dec-92	10	0					
		22-Jun-93	10	0					
		17-Aug-95	10	0					
		28-Nov-95	10	0					
		7-Feb-96	8	0					
		12-Nov-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					
		12-Nov-96	8	0					
03_DGMW64	285	15-Jan-93	10	0					
		2-Jun-93	10	0					
		26-Feb-96	8	0					
		12-Nov-96	8	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
03_DGMW65X	270	18-Jan-93	10	1	DALAPON	2.20			NA
		7-Jul-93	10	0					
		26-Feb-96	8	0					
		11-Nov-96	8	0					
03_UGMW26	270	1-Oct-92	10	0					
		23-Jun-93	10	0					
		27-Feb-96	8	0					
		14-Nov-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					
		5-Dec-95	8	0					
		5-Dec-95	8	0					
		7-Feb-96	8	0					
		13-Nov-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					
		6-Dec-95	8	0					
		9-Feb-96	8	0					
		13-Nov-96	8	0					
05_DGMW68	210	17-Dec-92	10	0					
		29-Jun-93	10	0					
		9-Jan-96	8	0					
		27-Feb-96	8	0					
		15-Nov-96	8	0					
05_NEW1	203	28-Dec-95	8	0					
		13-Nov-96	8	0					
05_UGMW27	238	3-Jun-93	10	0					
		3-Jun-93	10	0					
		17-Aug-95	8	0					
		8-Dec-95	8	0					
		29-Jan-96	8	0					
		13-Nov-96	8	0					
07_DGMW72	150	21-Jul-93	10	0					
		15-Oct-93	10	0					
07_DGMW91	150	18-Dec-92	10	0					
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					

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
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					
		13-Nov-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					
		6-Dec-95	8	0					
		9-Feb-96	8	0					
		20-Nov-96	8	0					
17_NEW1	226	12-Jan-96	8	0					
		20-Nov-96	8	0					
17_NEW2	123	3-Jan-96	8	0					
		20-Nov-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					
		7-Nov-96	8	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					
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			NA
		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					

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_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					
		19-Nov-96	8	0					
18_BGMW02C	378	22-Dec-92	10	0					
		22-Dec-92	10	0					
		9-Jun-93	10	0					
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					

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_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					
18_BGMW16	263	23-Oct-92	10	1	DINOSEB	0.42		7.00	1
		23-Oct-92	10	0					
		19-Jul-93	10	0					
		14-Nov-96	8	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					

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_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					
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					
		8-Nov-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

1) The November - December 1996 sample results listed in this table are as reported in the APCL laboratory analytical reports (Appendix E, Goundwater Monitoring Report).
Refer to Appendix D of the Groundwater Monitoring Report for qualifications from data validation.

2) Regulatory Standard Codes: 1 = Federal maximum contaminant level (MCL), 2 = State MCL, NA = not applicable or established

3) Data Qualification Flags: J = estimated value

4) = Result exceeds regulatory standard

7.0 METALS ANALYSES

During the November-December 1996 sampling round, groundwater samples were collected from 51 selected 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) and additionally, chromium VI. Table 7-1 lists the analytical results from the current sampling round as well as metals results from the Phase I and Phase II RI sampling rounds. Table 7-1 distinguishes samples collected during the January-February 1996 round, both filtered and unfiltered before analysis (see CDM Federal, 1996b).

7.1 CLP METALS

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 was 380 milligrams per liter (mg/L), found in the well sample 15 DBMW51. The highest sodium concentration was found in the well sample 08 DGMW73 (206 mg/L).

During Round 4 sampling, elevated levels of iron, manganese, and nickel were detected in groundwater samples collected at several monitoring wells. Iron was detected in most of the samples analyzed at levels ranging from 30 μg/L to a maximum of 2,350 μg/L (Well 01 MW102). The maximum detected concentration of manganese was found in a sample from Well 13 DGMW78 (1,480 μg/L). The highest concentrations of nickel reported during this sampling round were from wells 08 UGMW29 (1,280 μg/L), and 17 NEW1 (1,220 μg/L).

As described in the *Final Groundwater Monitoring Plan* (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).

7.2 HEXAVALENT CHROMIUM

As described in Section 2.2, groundwater samples from the 51 selected monitoring wells sampled for TAL metals were additionally analyzed for hexavalent chromium (chromium VI). During the current sampling round, chromium VI was detected above the CRDL of 1.0 μg/L in samples collected at 10 monitoring wells.

Laboratory analysis results for all samples analyzed for chromium VI are provided in Appendix E (APCL Analytical Reports). The chromium VI concentrations detected in groundwater samples are summarized below.

Well No.	Concentration Cr VI	Well No.	Concentration Cr VI
01 MW102	17.0 μg/L	04 DGMW66	3.0 μg/L
02 NEW6	4.0 μg/L	16 UGMW33	8.0 μg/L
02 NEW11	3.0 μg/L	16 DBMW55	8.0 μg/L
02 UGMW25	2.0 μg/L	24 NEW5	2.0 μg/L
03 UGMW26	4.0 μg/L	24 NEW6	9.0 μg/L

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	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	94,800	3.7 U	1.4 B	2.3 U	0.6 U	37,800	74.7	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	74,400	2.9 U	2.7 B	14.6 B	0.4 U	30,600	44.4	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	68,000	10.0 U	25.0 U	100.0 U	3.0 U	27,000	37.0	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	68,000	10.0 U	25.0 U	100.0 U	3.0 U	28,000	62.0	40.0 U	2,580 J	7.0	10.0 U	62,000	50 U	20.0 U
		8-Apr-96	F	55.9			12.3	70,400	1.2	2.9			29,600	44.7	35.4	3,360 J	12.8		75,400	4.7	8.6
		20-Nov-96	F	12.2 B	60.0 U	10.0 U	11.5 B	62,800	10.0 U	3.3 B	100.0 U	1.1 B	26,500	5.4 B	64.7	2,870 B	5.0 U	10.0 U	63,700	3.1 B	5.9 B
01_DGMW58	77	14-Dec-92	F	31.0 U	12.1 U	1.4 B	16.8 B	87,000	3.7 U	1.0 B	17.2 B	0.6 U	13,200	45.4	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	90,300	2.9 U	0.7 U	13.2 B	0.4 U	12,100	2.4 B	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	89,400	2.9 U	0.7 U	8.2 U	0.4 U	12,000	2.2 B	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	81,000	13.0	25.0 U	184.0	3.0	11,000	18.0	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	82,000	11.0	25.0 U	340.0	4.0	13,000	51.0	110.0	1,750 J	5.0 U	10.0 U	36,000	50 U	31.0
		5-Apr-96	F	34.5 U			23.1	78,900	1.7	2.0			11,000	1.2	98.5	1,150 J	3.9		40,900	12.1	7.2
		18-Nov-96	F	200.0 U	60.0 U	10.0 U	25.2 B	83,900	10.0 U	25.0 U	100.0 U	5.0 U	11,300	15.0 U	89.4	1,070 B	5.0 U	10.0 U	36,400	10.6 B	6.9 B
01_MW101	148	2-Apr-96	F	57.7 U			7.6	55,500	2.1	2.0 U			16,000	96.1	22.3	7,630 J	3.4 U		87,800	4.9	6.6
		20-Nov-96	F	53.3 B	60.0 U	10.0 U	25.5 B	42,300	10.0 U	1.8 B	100.0 U	0.9 B	13,200	16.2	12.1 B	8,940	5.0 U	10.0 U	66,700	2.9 B	9.1 B
01_MW102	135	2-Apr-96	F	34.9 U			29.1	129,000	530.0	3.9 U			19,800	158.0	852.0	9,760 J	3.4 U		170,000	7.7	55.5
		20-Nov-96	F	94.6 B	60.0 U	2.9 B	9.2 B	102,000	70.9	12.6 B	2350.0	5.0 U	8,100	35.9	227.0	4,400 B	5.0 U	10.0 U	82,300	4.6 B	15.5 B
01_MW201	57	8-Apr-96	F	34.5 U			8.3	104,000	24.2	5.2			16,600	19.4	44.4	9,680 J	3.4 U		121,000	4.0	6.3 U
		18-Nov-96	F	200.0 U	60.0 U	10.0 U	5.2 B	88,000	2.8 B	2.1 B	112.0	2.1 B	6,270	123.0	548.0	3,520 B	5.0 U	10.0 U	52,200	50.0 U	18.3 B
02_DGMW59	89	15-Dec-92	F	672.0	12.1 U	1.8 B	49.9 B	128,000	3.7 U	2.5 B	805.0	0.6 U	34,100	239.0	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	93,200	2.9 U	0.8 B	41.4 B	0.4 U	80,400	65.0	183.0	8,200	15.0 N	1.2 U	126,000	5.9 B	5.1 B
		16-Aug-95	F	12.2 U	2.4 U	2.2 B	110.0 B	189,000	1.3 U	4.5 B	26.6 J	1.7 U	47,400	367.0 J	15.5 B	2,800 B	4.9 B	1.5 U	104,000	6.4 B	10.8 B
		30-Nov-95	F	26.0 U	2.2 U	3.3 B	80.6 B	161,000	0.9 J	4.8 B	54.5 J	1.5 U	38,800	60.9 J	11.7 J	2,400 B	11.2 J	0.8 U	105,000	7.8 B	10.6 J
		6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	162,000	10.0 U	25.0 U	100.0 U	3.0 U	42,000	15.0 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	165,000	21.0	30.0	1200.0	3.0 U	41,000	64.0	40.0 U	2,290 J	20.0	10.0 U	109,000	50 U	20.0 U
		6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	162,000	10.0 U	25.0 U	100.0 U	3.0 U	42,000	43.0	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	163,000	21.0	25.0 U	660.0	3.0 U	42,000	56.0	40.0 U	2,310 J	17.0	10.0 U	111,000	50 U	20.0 U
		4-Nov-96	F	40.7 B	60.0 U	2.8 B	103.0 B	180,000	2.1 B	5.6 B	30.3 B	5.0 U	43,100	84.9	16.5 B	2,180 B	3.5 B	10.0 U	102,000	8.3 B	11.8 B
02_DGMW60	100	18-Nov-92	F	31.0 U	12.1 U	0.7 U	59.8 B	72,400	3.7 U	4.1 B	57.1 B	0.6 U	64,000	24.1	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	38.7 B	118,000	2.9 U	1.9 B	31.8 B	0.4 U	29,500	42.2	31.3 B	4,390 B	3.3 BSN	1.2 U	77,400	6.9 B	8.0 B
		15-Aug-95	F	12.1 U	2.4 U	2.1 U	77.1 B	98,800	1.3 U	1.5 B	24.1 UJ	1.7 U	96,500	4.6 J	8.0 B	10,700	13.3	1.5 U	126,000	7.7 B	1.2 B
		28-Nov-95	F	12.1 U	2.2 U	3.0 U	69.4 B	98,500	0.7 B	0.7 U	18.5 U	1.5 U	94,900	1.6 B	5.3 B	10,600	15.2	0.8 U	131,000	7.1 B	1.5 U
		6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	106,000	10.0 U	25.0 U	100.0 U	3.0 U	89,000	15.0 U	40.0 U	8,090	6.0	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	111,000	23.0	25.0 U	500.0	3.0 U	82,000	46.0	43.0	7,350	10.0	10.0 U	120,000	50 U	20.0 U
		6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	109,000	10.0 U	25.0 U	100.0 U	15.0	91,000	17.0	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	117,000	10.0 U	25.0 U	123.0	6.0	84,000	88.0	43.0	7,700	12.0	10.0 U	126,000	50 U	20.0 U
		4-Nov-96	F	45.3 B	60.0 U	2.0 B	79.7 B	93,700	4.1 B	3.6 B	24.7 B	5.0 U	87,900	3.1 B	40.0 U	8,880	9.8	10.0 U	121,000	4.9 B	7.2 B
02_DGMW61	100	14-Dec-92	F	31.0 U	12.1 U	0.7 B	40.3 BE	94,800 E	3.7 U	0.9 U	4.1 B	0.6 U	22,600 E	115.0	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	99,800	2.9 U	0.7 U	71.1 B	0.4 U	22,800	90.0	7.1 U	3,710 B	10.5 N*	1.2 U	57,800	1.7 U	3.2 B
		16-Aug-95	F	12.2 U	2.4 U	2.1 U	42.3 B	124,000	1.3 U	1.1 U	24.2 UJ	1.7 U	28,900	62.9 J	1.6 U	4,730 B	53.1	1.5 U	65,300	1.3 B	1.3 B
		29-Nov-95	F	22.6 U	2.2 U	3.3 U	39.8 B	138,000	0.8 B	0.7 U	21.6 B	1.5 U	30,100	20.2	1.0 B	4,300 B	95.5	0.8 U	67,400	1.1 U	2.9 U
		8-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	130,000	10.0 U	25.0 U	100.0 U	3.0 U	30,000	15.0 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	129,000	10.0 U	25.0 U	100.0 U	3.0 U	30,000	15.0 U	40.0 U	3,570 J	46.0	10.0 U	61,000	50 U	20.0 U
		4-Nov-96	F	53.2 B	60.0 U	3.2 B	49.5 B	131,000	4.1 B	3.4 B	100.0 U	5.0 U	28,900	3.0 B	40.0 U	3,870 B	34.3	10.0 U	61,600	50 U	8.6 B
02_UGMW25	75	9-Dec-92	F	31.0 U	12.1 U	4.7 B	34.4 B	93,500	3.7 U	1.6 B	275.0	0.6 U	20,600	70.8	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	81,500	2.9 U	3.9 B	19.1 B	0.4 U	17,700	2.0 B	7.1 U	590 B	7.2 SN*	1.2 U	54,900	14.5 B	2.1 B
		17-Aug-95	F	13.4 U	2.4 U	4.0 B	93.9 B	205,000	1.3 U	4.6 B	24.1 UJ	1.7 U	45,200	2.1 J	6.7 B	968 B	21.7	1.5 U	98,100	11.4 B	2.5 B
		28-Nov-95	F	20.7 U	2.2 U	3.1 U	98.8 B	254,000	1.1 B	2.5 B	38.1 B	1.5 U	52,900	1.2 B	9.4 B	1,130 B	9.8	0.8 U	127,000	10.4 B	5.3 U
		7-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	280,000	10.0 U	25.0 U	100.0 U	3.0 U	61,000	15.0 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	279,000	10.0 U	25.0 U	100.0 U	3.0 U	61,000	15.0 U	40.0 U	986 J	5.0 U	10.0 U	143,000	50 U	20.0 U
		12-Nov-96	F	29.4 B	60.0 U	8.1 B	138.0 B	275,000	7.8 B	9.8 B	42.3 B	3.0 B	61,000	2.2 B	6.5 B	3,020 B	5.0 U	10.0 U	162,000	10.3 B	15.7 B
02_NEW1	135	26-Dec-95	F	16.6 B	2.5 U	2.8 U	5.4 U	42,100	0.6 B	1.0 U	161.0	1.6 U	31,400	105.0	1.4 U	5,420	2.2 U	0.7 U	65,800	1.6 U	6.0 B
		4-Nov-96	F	46.7 B	60.0 U	3.5 B	11.2 B	45,300	2.5 B	3.3 B	38.7 B	2.1 B	32,600	55.5	6.2 B	3,940 B	5.0 U	10.0 U	63,700	50.0 U	8.7 B

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
02_NEW2	95	21-Dec-95	F	11.3 U	2.5 U	3.4 B	77.8 B	169,000	1.7 B	2.7 B	30.3 B	1.6 U	45,700	14.2 B	6.5 B	2,270 B	7.8	0.7 U	89,200	14.3 B	3.5 B
		26-Nov-96	F	27.4 B	60.0 U	3.5 B	67.1 B	123,000	1.7 B	3.8 B	50.5 B	1.5 B	33,600	6.8 B	12.9 B	1,730 B	5.9	10.0 U	76,400	13.8 B	12.9 B
02_NEW3	225	28-Dec-95	F	30.7 B	2.5 U	2.8 U	68.4 B	158,000	0.7 B	2.1 B	37.6 B	1.6 U	43,700	27.0	25.5 B	2,280 B	6.6	0.7 U	87,000	9.7 B	33.6
		7-Nov-96	F	24.1 B	60.0 U	3.5 B	83.7 B	163,000	4.3 B	4.2 B	63.6 B	1.3 B	42,600	10.6 B	32.5 B	2,150 B	10.1	10.0 U	87,100	10.3 B	14.2 B
02_NEW6	225	27-Dec-95	F	18.7 B	2.5 U	2.8 U	38.8 B	146,000	1.9 B	1.1 B	19.3 B	1.6 U	41,400	3.7 B	5.8 B	2,320 B	5.2	0.7 U	95,500	7.7 B	4.6 B
		7-Nov-96	F	16.3 B	60.0 U	10.0 U	56.8 B	149,000	3.8 B	4.2 B	31.8 B	5.0 U	40,600	5.0 B	9.4 B	1,950 B	6.9	10.0 U	84,700	6.6 B	6.7 B
02_NEW7	143	27-Dec-95	F	12.2 B	2.5 U	3.8 B	90.5 B	153,000	1.5 B	1.1 B	15.6 B	1.6 U	41,700	0.5 U	2.9 B	1,810 B	10.2	0.7 U	78,500	12.6 B	1.1 B
		8-Jan-97	F	24.0 J	2.5 J	5.8 J	90.0 J	125,000	2.7 J	3.3 J	34.2 J	2.0 J	32,800	2.9 J	2.8 J	1,250 J	16.0		68,500	14.0 J	11.0 J
02_NEW8A	104	27-Dec-95	F	11.3 U	2.5 U	2.8 U	17.1 B	139,000	2.1 B	1.4 B	24.8 B	1.6 U	24,000	14.0 B	6.5 B	1,990 B	16.4	0.7 U	57,800	5.1 B	6.5 B
		7-Nov-96	F	25.8 B	60.0 U	2.1 B	49.3 B	131,000	3.2 B	3.3 B	5.9 B	1.1 B	24,100	5.8 B	22.7 B	1,830 B	19.0	10.0 U	57,500	4.3 B	6.2 B
02_NEW11	65	21-Dec-95	F	11.8 B	2.5 U	2.8 U	91.4 B	163,000	2.3 B	1.6 B	55.5 B	1.6 U	48,200	43.4	98.2	3,500 B	7.2	0.7 U	101,000	11.3 B	4.5 B
		12-Nov-96	F	45.1 B	60.0 U	4.8 B	82.8 B	107,000	3.9 B	2.9 B	45.7 B	1.2 B	29,800	21.8	153.0	2,380 B	5.0 U	10.0 U	82,000	10.6 B	13.1 B
02_NEW12	249	28-Dec-95	F	28.9 B	2.5 U	12.4	58.3 B	162,000	1.8 B	1.0 U	49.1 B	1.6 U	26,800	58.4	130.0	2,160 B	5.3	0.7 U	95,400	37.0 B	4.0 B
		7-Nov-96	F	39.2 B	60.0 U	9.1 B	70.1 B	135,000	4.0 B	7.4 B	157.0	1.8 B	22,400	61.4	438.0	2,400 B	7.8	10.0 U	90,400	27.4 B	10.1 B
03_DBMW39	270	9-Oct-92	F	31.0 U	12.1 U	10.7 W	62.9 B	27,300	3.7 U	0.9 U	11.0 B	0.3 U	14,900	9.9 B	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	6.2 B	74.1 BE	30,900	3.2 B	0.8 B	76.6 B	0.4 U	16,600	29.0	567.0	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	31,200	5.0 B	0.7 U	57.8 B	0.4 U	16,800	29.0	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	57,000	10.0 U	25.0 U	100.0 U	3.0 U	32,000	20.0	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	56,000	98.0	25.0 U	4080.0	3.0 U	31,000	68.0	550.0	2,720 J	5.0 U	10.0 U	179,000	50 U	20.0 U
		12-Nov-96	F	37.1 B	60.0 U	4.2 B	158.0 B	59,900	4.8 B	2.2 B	56.3 B	5.0 U	32,600	19.1	496.0	3,030 B	5.1	10.0 U	167,000	28.3 B	15.1 B
03_DGMW64	285	15-Jan-93	F	31.0 U	12.1 U	3.1 B	35.9 B	57,100	3.7 U	6.2 B	11.0 B	0.6 U	35,300	161.0	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	58,700	2.9 B	0.9 B	16.0 B	0.4 U	35,400	300.0	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	68,000	46.0	25.0 U	1500.0	7.0	42,000	70.0	870.0	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	69,000	81.0	25.0 U	2270.0	5.0	45,000	95.0	720.0	4,830 J	5.0 U	10.0 U	202,000	50 U	42.0
		12-Nov-96	F	30.2 B	60.0 U	10.0 U	37.8 B	60,400	3.3 B	2.6 B	35.2 B	5.0 U	35,300	40.2	711.0	4,110 B	8.6	10.0 U	169,000	8.9 B	30.3
		15-Nov-96	F	37.4 B	60.0 U	3.0 B	35.9 B	60,200	3.6 B	1.5 B	44.3 B	5.0 U	36,800	23.1	536.0	4,090 B	7.2	10.0 U	175,000	11.6 B	12.8 B
03_DGMW65X	270	18-Jan-93	F	47.5 B	12.1 U	2.6 B	46.4 B	51,700	3.7 U	4.3 B	4.1 B	0.6 U	27,300	236.0	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	48,000	4.4 B	1.2 B	31.1 B	0.4 U	24,400	189.0	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	73,000	190.0	25.0 U	5370.0	7.0	38,000	55.0	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	76,000	150.0	29.0	3940.0	5.0	37,000	130.0	620.0	4,130 J	5.0 U	10.0 U	170,000	50 U	44.0
		11-Nov-96	F	34.6 B	60.0 U	4.3 B	60.4 B	65,800	6.9 B	4.3 B	26.0 B	1.3 B	37,400	12.0 B	567.0	3,470 B	17.4	10.0 U	155,000	18.9 B	21.2
03_UGMW26	270	1-Oct-92	F	31.0 U	12.1 U	6.0 B	120.0 B	64,500	5.6 B	2.7 B	5.1 B	0.6 U	30,900	20.0	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	76,500	4.3 B	0.7 U	35.9 B	0.4 U	34,000	5.7 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	78,000	110.0	25.0 U	1300.0	3.0 U	36,000	17.0	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	81,000	110.0	25.0 U	1300.0	3.0 U	37,000	32.0	66.0	3,420 J	5.0 U	10.0 U	13,000	50 U	28.0
		14-Nov-96	F	200.0 U	60.0 U	5.2 B	129.0 B	79,800	4.7 B	25.0 U	33.7 B	1.1 B	33,000	6.5 B	62.3	3,060 B	5.1	10.0 U	127,000	33 B	7.4 B
		19-Nov-96	F	200.0 U	60.0 U	6.8 B	130.0 B	81,800	4.6 B	1.8 B	27.0 B	1.1 B	32,400	5.7 B	58.1	2,990 B	5.5	10.0 U	126,000	33.3 B	7.8 B
04_DBMW40	260	3-Dec-92	F	69.0 B	12.1 U	2.7 BW	57.6 B	78,500	3.7 U	0.9 U	34.1 B	0.6 U	50,900	11.7 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	12.6 B	1.9 B	52.5 BE	80,900	2.9 U	1.6 B	51.7 B	0.4 U	46,500	33.5	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	83,000	81.0	25.0 U	3600.0	8.0	41,000	120.0	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	82,000	50.0	25.0 U	2000.0	8.0	40,000	110.0	79.0	4,700 J	9.0	10.0 U	186,000	50 U	210.0
		12-Nov-96	F	34.9 B	60.0 U	3.5 B	89.7 B	92,300	1.9 B	1.9 B	100.0 U	5.0 U	63,500	64.8	5.0 B	4,960 B	5.0	10.0 U	157,000	22.8 B	21.7
04_DGMW66	290	20-Nov-92	F	31.0 U	12.1 U	2.8 B	41.1 BE	82,500	3.7 U	0.9 U	36.5 B	0.6 U	30,600	16.8	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	87,200	2.9 U	0.7 U	20.6 B	0.4 U	31,200	4.8 B	136.0	2,780 B	17.4 B	1.2 U	108,000	18.6 B	2.2 B
		26-Feb-96	F	820.0	60.0 U	10.0 U	200.0 U	95,000	547.0	25.0 U	3980.0	5.0	33,000	24.0	110.0	3,600 J	5.0 U	10.0 U	104,000	50 U	62.0
		26-Feb-96	UF	410.0	60.0 U	10.0 U	200.0 U	96,000	370.0	28.0	3940.0	6.0	33,000	53.0	130.0	3,580 J	5.0 U	10.0 U	105,000	50 U	100.0
		12-Nov-96	F	61.7 B	60.0 U	6.4 B	68.1 B	94,400	6.7 B	4.8 B	33.7 B	2.4 B	31,900	4.7 B	121.0	3,140 B	13.8	10.0 U	107,000	20.6 B	11.6 B

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 / Type		Aluminum 50.0	Antimony 6.0	Arsenic 50.0	Barium 1000.0	Calcium	Chromium 50.0	Copper 1000.0	Iron 300.0	Lead 15.0	Magnesium	Manganese 50.0	Nickel 100.0	Potassium	Selenium 50.0	Silver 50.0	Sodium	Vanadium	Zinc 5000.0
04_UGMW63	275	24-Nov-92	F	31.3 B	14.7 B	0.9 B	76.8 BE	134,000	3.7 U	0.9 U	142.0	0.6 U	67,200	337.0	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	142,000	2.9 U	1.0 B	8.2 U	0.4 U	70,600	359.0	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	129,000	10.0 U	25.0 U	100.0 U	5.0	58,000	42.0	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	124,000	18.0	25.0 U	310.0	3.0 U	55,000	37.0	530.0	2,590 J	21.0	10.0 U	82,000	50 U	22.0
		14-Nov-96	F	200.0 U	60.0 U	4.1 B	85.7 B	130,000	10.0 U	25.0 U	100.0 U	2.3 B	59,100	543.0	82.9	3,140 B	7.3	1.3 B	76,400	20.4 B	11.0 B
		19-Nov-96	F	33.1 B	60.0 U	3.7 B	86.1 B	129,000	10.0 U	1.8 B	28.4 B	2.2 B	58,500	531.0	80.1	3,110 B	7.3	10.0 U	75,900	20.1 B	11.3 B
05_DBMW41	222	16-Nov-92	F	31.0 U	12.1 U	1.4 B	22.6 B	99,200	3.7 U	0.9 U	14.1 B	0.6 U	29,100	6.5 B	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	98,900	3.7 U	0.9 U	17.8 B	0.6 U	28,900	6.5 B	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	47.6 B	110,000	2.8 U	4.5 B	12.8 B	0.5 U	32,000	15.0 U	17.8 B	2,610 B	8.2 B	1.8 U	124,000	11.8 B	2.0 B*
		5-Dec-95	F	16.0 U	2.2 U	2.4 B	54.8 B	123,000	3.5 J	1.9 B	46.3 J	1.5 U	35,400	1.9 J	14.5 J	3,150 B	5.5 J	0.8 U	154,000	11.8 B	1.7 UJ
		7-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	112,000	10.0 U	25.0 U	100.0 U	3.0 U	33,000	15.0 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	110,000	10.0 U	25.0 U	100.0 U	3.0 U	33,000	15.0 U	40.0 U	2,140 J	6.0	10.0 U	143,000	50 U	20.0 U
		13-Nov-96	F	200.0 U	60.0 U	4.2 B	66.0 B	123,000	2.7 B	3.0 B	100.0 U	1.0 B	33,200	1.8 B	16.5 B	3,170 B	4.8 B	10.0 U	141,000	11.2 B	5.8 B
05_DGMW67	227	30-Nov-92	F	38.9 B	12.1 U	2.6 B	68.5 B	128,000	3.7 U	0.9 U	2.3 U	0.6 U	36,100	1.5 B	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	131,000	3.7 U	0.9 U	2.3 U	0.6 U	36,700	2.3 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	18.6 B	4.4 BWN	62.2 B	128,000	2.9 U	2.1 B	13.6 B	0.4 U	35,400	1.6 B	13.0 B	2,400 B	8.7 B	1.8 B	117,000	14.6 B	2.7 B
		6-Dec-95	F	9.9 U	2.2 U	2.2 B	71.4 B	156,000	0.6 J	0.7 U	18.5 UJ	1.5 U	43,400	0.5 J	4.7 J	2,290 B	3.7 UJ	0.8 U	116,000	10.0 B	1.7 UJ
		9-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	118,000	10.0 U	25.0 U	100.0 U	3.0 U	43,000	15.0 U	40.0 U	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	150,000	10.0 U	25.0 U	100.0 U	3.0 U	44,000	15.0 U	40.0 U	1,960 J	5.0 U	10.0 U	116,000	50 U	20.0 U
		13-Nov-96	F	244.0	3.1 B	4.4 B	86.4 B	160,000	1.2 B	25.0 U	69.5 B	1.6 B	42,400	4.9 B	21.4 B	2,500 B	2.9 B	10.0 U	115,000	9.5 B	6.3 B
05_DGMW68	210	17-Dec-92	F	31.0 U	20.8 B	1.6 B	29.2 B	116,000	3.7 U	1.2 B	17.7 B	0.6 U	33,700	20.6	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	18.1 B	1.1 B	31.2 BE	122,000	3.0 B	0.7 U	33.4 B	0.4 U	35,800	5.1 B	138.0	3,400 B	9.4 B	1.2 U	120,000	12.5 B	2.6 B
		9-Jan-96	F	15.2 B	2.5 U	2.8 U	24.7 B	118,000	2.7 B	1.0 U	40.7 U	1.6 U	35,100	9.2 B	86.8	3,220 B	9.8 U	0.7 U	114,000	9.6 B	73.5
		27-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	136,000	40.0	25.0 U	210.0	3.0 U	42,000	15.0 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	137,000	263.0	25.0 U	2630.0	3.0 U	42,000	37.0	130.0	4,050 J	5.0 U	10.0 U	126,000	50 U	45.0
		15-Nov-96	F	12.6 B	60.0 U	10.0 U	30.4 B	140,000	2.5 B	3.0 B	29.0 B	1.8 B	36,500	3.0 B	68.6	3,650 B	5.2	10.0 U	119,000	11.6 B	5.1 B
05_NEW01	203	28-Dec-95	F	11.3 U	2.5 U	2.8 U	91.2 B	108,000	7.0 B	1.8 B	145.0	1.6 U	31,400	85.1	201.0	3,740 B	9.8	0.7 U	102,000	9.8 B	5.0 U
		13-Nov-96	F	28.5 B	60.0 U	2.4 B	136.0 B	126,000	4.8 B	2.6 B	39.7 B	0.7 B	33,500	73.6	444.0	3,600 B	6.4	10.0 U	103,000	9.4 B	6.7 B
05_UGMW27	238	3-Dec-92	F	31.0 U	12.1 U	4.0 B	45.2 B	121,000	3.7 U	1.2 B	6.4 B	0.6 U	33,000	2.3 B	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	124,000	2.9 U	0.9 B	32.2 B	0.4 U	34,400	1.1 B	7.1 U	2,240 B	7.0 B	1.2 U	108,000	15.1 B	6.0 B
		17-Aug-95	F	13.8 U	2.4 U	4.1 B	52.3 B	132,000	1.3 U	1.1 U	24.1 UJ	1.7 U	37,400	0.6 J	1.6 U	2,150 B	7.6	1.5 U	116,000	12.3 B	0.6 B
		8-Dec-95	F	13.3 B	2.5 U	2.8 U	52.9 B	134,000	1.2 U	1.1 B	35.8 U	1.6 U	37,400	0.5 U	1.5 B	2,280 B	6.6	0.7 U	116,000	12.9 B	1.3 U
		29-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	133,000	10.0 U	25.0 U	100.0 U	3.0 U	37,000	15.0 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	138,000	10.0 U	25.0 U	100.0 U	3.0 U	37,000	15.0 U	40.0 U	1,860 J	13.0	10.0 U	119,000	50 U	20.0 U
		13-Nov-96	F	17.8 B	60.0 U	5.8 B	62.7 B	136,000	10.0 U	2.4 B	36.8 B	1.7 B	34,800	15.0 U	2.4 B	2,290 B	4.3 B	10.0 U	121,000	12.3 B	6.6 B
06_DGMW69	190	2-Dec-92	F	43.9 B	12.9 B	0.7 U	48.0 B	189,000	3.7 U	0.9 U	104.0	0.6 U	47,800	167.0	866.0	3,350 B	31.4	2.1 U	76,000	5.7 B	4.4 B
		7-Jul-93	F	16.1 B	19.8 B	0.7 B	53.1 B	170,000	2.9 U	0.7 U	64.0 B	0.4 U	47,900	15.0 B	434.0	3,180 B	36.6 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	166,000	10.0 U	25.0 U	109.0	6.0	48,000	15.0	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	168,000	56.0	25.0 U	530.0	3.0 U	48,000	30.0	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	264,000	3.7 U	0.9 U	54.5 B	0.6 U	73,000	197.0	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	266,000	2.9 U	2.5 B	294.0	0.4 U	70,300	37.7	843.0	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	269,000	10.0 U	25.0 U	100.0 U	4.0	72,000	15.0 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	286,000	61.0	25.0 U	430.0	10.0	79,000	15.0 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	122,000	3.7 U	0.9 U	9.0 B	0.6 U	33,400	90.8	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	150,000	2.9 U	2.8 B	23.4 B	0.4 U	39,200	34.2	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	93,000	10.0 U	25.0 U	119.0	4.0	24,000	44.0	870.0	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	97,000	585.0	45.0	4810.0	10.0	24,000	180.0	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	181,000	3.7 U	0.9 U	73.9 B	0.6 U	56,100	28.5	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	137,000	8.3 B	0.7 U	60.7 B	0.4 U	38,200	14.4 B	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	148,000	10.0 U	25.0 U	100.0 U	3.0 U	42,000	15.0 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	153,000	43.0	25.0 U	440.0	3.0 U	42,000	15.0 U	125.0	2,350 J	23.0	10.0 U	118,000	50 U	116.0

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
07_DBMW100	171	8-Dec-92	F	31.0 U	16.6 B	0.7 UW	100.0 B	104,000	3.7 U	0.9 U	28.8 B	0.6 U	32,800	42.9	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	104,000	3.7 U	0.9 U	26.1 B	0.6 U	32,900	44.5	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	107,000	5.7 B	0.7 U	50.6 B	0.4 U	33,800	8.9 B	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	103,000	10.0 U	25.0 U	100.0 U	3.0	33,000	15.0 U	150.0	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	101,000	64.0	25.0 U	500.0	4.0	32,000	22.0	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	139,000 E	3.7 U	0.9 U	12.0 B	0.6 U	35,500 E	16.0	49.6	2,700 B	17.8 B	2.6 B	85,100 E	15.0 B	4.4 B
		22-Jun-93	F	19.6 B	15.8 B	0.7 BW	42.9 BE	141,000	2.9 U	0.8 B	48.7 B	0.4 U	36,500	11.1 B	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	141,000	10.0 U	25.0 U	100.0 U	3.0 U	37,000	15.0 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	141,000	33.0	25.0 U	545.0	3.0 U	37,000	15.0 U	57.0	2,400 J	5.0 U	10.0 U	86,000	50 U	20.0 U
07_DGMW72	150	19-Nov-92	F	31.0 U	16.1 B	0.7 U	51.1 BE	136,000	3.7 U	0.9 U	24.1 B	0.6 U	40,300	8.4 B	11.6 B	2,250 B	5.4 BN	2.1 U	88,800	15.8 B	2.9 B
		21-Jul-93	F	23.4 B	26.7 B	2.1 B	32.2 B	186,000	2.9 U	1.5 B	8.2 U	0.4 UW	115,000	38.0	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	129,000	2.8 U	3.6 B	30.9 B	0.5 U	39,000	10.3 B	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	124,000	10.0 U	25.0 U	100.0 U	3.0 U	37,000	15.0 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	136,000	22.0	25.0 U	240.0	3.0 U	42,000	15.0 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	146,000	3.7 U	0.9 U	61.0 B	0.6 U	41,100	102.0	567.0	2,540 B	10.9 S	2.1 U	74,800	11.3 B	2.2 U
		21-Jul-93	F	23.7 B	14.9 B	1.1 B	32.7 B	143,000	2.9 U	0.9 B	17.2 B	0.4 U	38,000	13.1 B	336.0	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	148,000	10.0 U	25.0 U	100.0 U	3.0 U	43,000	15.0 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	147,000	31.0	25.0 U	380.0	3.0 U	44,000	15.0 U	260.0	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	120,000	3.7 U	0.9 U	21.5 B	0.6 U	33,600	25.2	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	18.6 B	1.9 B	137.0 B	115,000	5.2 B	0.7 U	112.0	0.4 U	29,800	11.9 B	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	117,000	5.1 B	0.7 U	108.0	0.4 U	30,300	12.4 B	171.0	2,330 B	4.6 B	1.2 U	164,000	22.1 B	1.8 B
		14-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	117,000	10.0 U	25.0 U	100.0 U	3.0 U	32,000	17.0	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	125,000	10.0	25.0 U	210.0	3.0 U	33,000	19.0	190.0	2,690 J	5.0 U	10.0 U	245,000	50 U	20.0 U
		6-Dec-96	F	22.0 B	60.0 U	2.8 B	169.0 B	113,000	5.7 B	25.0 U	98.3 B	1.3 B	29,100	9.6 B	97.2	2,850 B	5.0 U	10.0 U	206,000	22.6 B	5.0 B
		6-Dec-96	F	15.5 B	60.0 U	3.1 B	166.0 B	111,000	4.3 B	25.0 U	59.5 B	1.4 B	28,100	7.0 B	90.2	2,750 B	5.0 U	10.0 U	202,000	22.4 B	9.9 B
08_DGMW74	130	16-Nov-92	F	31.0 U	12.1 U	1.9 B	64.6 B	95,700	3.7 U	1.4 B	38.2 B	0.6 U	26,000	24.8	136.0	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	99,800	2.9 U	1.1 B	46.8 B	0.4 U	26,300	6.2 B	130.0	2,260 B	4.6 B	1.2 U	145,000	22.6 B	1.8 B
		14-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	102,000	10.0 U	25.0 U	100.0 U	3.0 U	28,000	15.0 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	96,000	38.0	25.0 U	470.0	3.0 U	27,000	15.0 U	76.0	2,340 J	5.0 U	10.0 U	185,000	50 U	20.0 U
		13-Nov-96	F	27.2 B	60.0 U	2.1 B	93.1 B	82,300	5.9 B	6.3 B	32.5 B	1.9 B	22,100	21.6	78.6	2,390 B	2.9 B	10.0 U	156,000	25.5 B	35.8
08_UGMW29	135	8-Dec-92	F	31.0 U	12.1 U	0.7 BW	54.6 B	97,900	3.7 U	1.4 B	34.6 B	0.6 U	30,800	110.0	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	102,000	2.9 U	0.7 U	48.7 B	0.4 U	30,000	46.7	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	106,000	3.4 B	1.9 B	55.0 B	0.4 U	30,300	48.3	246.0	3,840 B	8.1 S	1.3 B	98,900	12.6 B	2.4 B
		14-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	129,000	10.0 U	25.0 U	100.0 U	3.0 U	40,000	32.0	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	130,000	59.0	25.0 U	610.0	3.0 U	40,000	34.0	700.0	3,500 J	8.0	10.0 U	113,000	50 U	20.0 U
		25-Nov-96	F	18.8 B	60.0 U	10.0 U	84.2 B	109,000	1.9 B	2.7 B	64.4 B	1.9 B	32,400	21.7	1280.0	3,470 B	5.0 U	10.0 U	106,000	4.1 B	18.2 B
09_DBMW45	157	10-Dec-92	F	33.1 B	12.1 U	0.7 U	25.5 B	173,000	3.7 U	0.9 U	5.9 B	0.6 U	45,000	4.3 B	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	169,000	3.7 U	0.9 U	2.3 U	0.6 U	43,700	4.9 B	18.4 B	2,300 B	22.0 B	2.1 U	70,100	17.0 B	2.2 U
		13-Jul-93	F	14.3 B	11.5 B	1.8 B	24.6 B	173,000	2.9 U	2.9 B	11.3 B	0.4 U	46,200	2.4 B	17.0 B	2,300 B	19.6 BN	1.2 U	75,700	16.8 B	2.9 B
		20-Nov-95	F	37.6 U	2.2 U	2.1 U	24.8 B	179,000	6.2 B	1.4 B	179.0 J	3.3	47,400	6.6 B	26.8 B	2,580 B	22.4	0.8 U	78,200 J	14.9 B	7.4 B
		15-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	196,000	10.0 U	25.0 U	100.0 U	3.0 U	56,000	15.0 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	206,000	26.0	25.0 U	230.0	3.0 U	58,000	15.0 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	14.6 B	0.7 U	20.8 B	216,000	3.7 U	0.9 U	2.3 U	0.6 U	58,900	12.1 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	17.6 B	1.5 B	19.7 BE	211,000	4.2 B	0.7 U	39.2 B	0.4 U	55,200	6.0 B	144.0	2,420 B	44.3	1.2 U	117,000	13.9 B	1.4 B
		14-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	225,000	10.0 U	25.0 U	100.0 U	3.0 U	65,000	36.0	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	216,000	340.0	25.0 U	4180.0	6.0	62,000	66.0	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	158,000	3.7 U	1.2 B	28.8 B	0.6 U	41,400	19.3	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	156,000	3.6 B	2.0 B	23.7 B	1.7 B	43,100	2.8 B	112.0	2,570 B	18.4 BN	1.8 U	72,200	17.0 B	3.4 B
		14-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	181,000	10.0 U	25.0 U	100.0 U	3.0	54,000	15.0 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	175,000	170.0	25.0 U	1900.0	4.0	53,000	29.0	69.0	3,730 J	22.0	10.0 U	87,000	50 U	20.0 U

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
12_DBMW48	135	17-Nov-92	F	34.6 B	16.0 B	0.7 U	26.7 B	316,000	3.7 U	0.9 U	101.0	0.6 U	79,000	22.3	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	298,000	2.8 U	1.1 U	71.1 B	0.5 U	77,100	13.4 B	243.0	2,690 B	52.2	1.8 U	112,000	14.2 B	1.5 B
		16-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	277,000	10.0 U	25.0 U	100.0 U	3.0 U	77,000	84.0	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	288,000	150.0	25.0 U	2000.0	7.0	81,000	76.0	220.0	3,650 J	26.0	10.0 U	122,000	50 U	140.0
		13-Nov-96	F	13.4 B	60.0 U	10.0 U	32.2 B	264,000	16.9	25.0 U	223.0	2.0 B	62,700	14.6 B	294.0	2,830 B	30.2	10.0 U	96,300	13.3 B	16.4 B
12_UGMW31	145	8-Oct-92	F	60.2 B	22.2 B	0.7 U	27.6 B	177,000	3.7 U	0.9 U	20.6 B	0.6 U	50,700	33.4	12.1 B	2,510 B	20.5 SN	2.1 U	77,100	14.9 B	5.4 B
		7-Jul-93	F	13.9 B	15.9 B	1.1 B	28.7 B	173,000	2.9 U	5.0 B	57.5 B	0.4 U	49,900	12.1 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	178,000	10.0 U	25.0 U	100.0 U	4.0	53,000	15.0 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	181,000	10.0 U	25.0 U	100.0 U	3.0 U	54,000	19.0	50.0	3,130 J	9.0	10.0 U	87,000	50 U	20.0 U
		13-Nov-96	F	200.0 U	60.0 U	2.1 B	38.3 B	162,000	3.9 B	25.0 U	100.0 U	5.0 U	42,700	15.0 U	15.1 B	2,450 B	12.1	10.0 U	74,000	15.9 B	10.2 B
13_DBMW49	182	16-Nov-92	F	31.0 U	19.5 B	0.7 U	34.3 B	290,000	3.7 U	0.9 U	2.3 U	0.6 U	110,000	99.2	7.7 U	4,860 B	20.4 BN	2.1 U	160,000	24.0 B	5.0 B
		30-Jun-93	F	22.9 B	16.9 B	1.9 B	28.7 B	289,000	2.9 U	0.7 U	10.8 B	0.4 U	109,000	87.9	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	257,000	10.0 U	25.0 U	100.0 U	3.0 U	101,000	80.0	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	254,000	10.0 U	25.0 U	100.0 U	4.0	103,000	100.0	40.0 U	4,700 J	45.0	10.0 U	152,000	50 U	20.0 U
		6-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	262,000	10.0 U	25.0 U	100.0 U	6.0	103,000	110.0	40.0 U	4,840 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	260,000	10.0 U	25.0 U	150.0	3.0 U	104,000	92.0	40.0 U	4,800 J	45.0	10.0 U	154,000	50 U	20.0 U
		19-Nov-96	F	14.2 B	60.0 U	2.6 B	28.2 B	249,000	10.0 U	1.8 B	100.0 U	2.1 B	95,400	45.2	5.0 B	5,270	38.7	10.0 U	151,000	22.9 B	4.0 B
		22-Nov-96	F	11.4 B	60.0 U	3.9 B	28.3 B	247,000	10.0 U	7.6 B	100.0 U	1.5 B	96,300	44.6	5.7 B	5,380	36.3	10.0 U	149,000	22.4 B	7.2 B
13_DGMW78	187	23-Nov-92	F	51.9 B	23.7 B	0.7 UW	23.6 B	383,000	3.7 U	2.0 B	17.3 B	0.6 UW	199,000	1800.0	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	328,000	2.9 U	0.7 U	8.2 U	0.4 U	150,000	1230.0	12.2 B	4,050 B	7.0 U	1.2 U	173,000	14.4 B	12.0 B
		1-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	257,000	10.0 U	25.0 U	100.0 U	3.0 U	128,000	2300.0	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	242,000	10.0 U	25.0 U	100.0 U	3.0 U	117,000	2130.0	40.0 U	3,180 J	25.0	10.0 U	200,000	50 U	20.0 U
		19-Nov-96	F	200.0 U	60.0 U	7.2 B	28.6 B	284,000	10.0 U	25.0 U	100.0 U	2.0 B	135,000	1480.0	18.4 B	5,440	30.7	10.0 U	190,000	14.1 B	8.7 B
13_UGMW32	184	28-Oct-92	F	31.0 U	17.4 B	0.7 U	32.5 BE	202,000	3.7 U	4.8 B	2.3 U	0.6 U	96,400	85.5	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	25.6 B	1.5 B	28.4 B	181,000	2.9 U	1.4 B	17.3 B	0.4 U	80,200	197.0	7.1 U	4,180 B	30.8 N	1.2 U	103,000	15.6 B	9.2 B
		5-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	174,000	10.0 U	25.0 U	100.0 U	3.0 U	78,000	96.0	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	156,000	10.0 U	25.0 U	134.0	3.0 U	71,000	92.0	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	66.4 B	28.0 B	0.7 U	32.4 B	275,000	3.7 U	2.9 B	2.3 U	0.6 U	102,000	542.0	27.2 B	4,450 B	38.4	2.4 B	139,000	18.5 B	72.2
		25-Jun-93	F	16.8 B	19.8 B	0.8 U	26.6 BE	287,000	2.9 U	1.6 B	48.9 B	0.4 U	106,000	353.0	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	254,000	10.0 U	25.0 U	100.0 U	3.0 U	103,000	58.0	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	240,000	52.0	25.0 U	860.0 U	3.0 U	104,000	220.0	83.0	4,010 J	35.0	10.0 U	152,000	50 U	35.0
		5-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	250,000	10.0 U	25.0 U	100.0 U	3.0 U	102,000	55.0	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	234,000	29.0	25.0 U	580.0	3.0 U	101,000	210.0	78.0	3,970 J	35.0	10.0 U	149,000	50 U	32.0
		19-Nov-96	F	32.1 B	60.0 U	10.0 U	19.3 B	248,000	2.0 B	9.2 B	100.0 U	2.7 B	96,200	74.0	62.1	4,240 B	56.1	10.0 U	137,000	13.7 B	9.9 B
14_DGMW79	158	20-Nov-92	F	31.0 U	19.0 B	0.7 UW	21.1 BE	307,000	3.7 U	1.3 B	5.9 B	0.6 U	127,000	119.0	10.5 B	4,580 B	6.0 BN	2.1 U	172,000	16.7 B	69.1
		16-Jun-93	F	57.8 B	22.5 B	2.0 B	21.1 BE	319,000	2.9 U	0.7 U	13.8 B	0.4 U	133,000	125.0	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	266,000	10.0 U	25.0 U	100.0 U	3.0 U	122,000	91.0	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	258,000	56.0	25.0 U	530.0	3.0 U	121,000	86.0	40.0 U	3,880 J	25.0	10.0 U	164,000	50 U	20.0 U
		19-Nov-96	F	200.0 U	2.5 B	3.5 B	17.4 B	263,000	10.0 U	1.9 B	100.0 U	2.2 B	116,000	84.8	5.9 B	4,110 B	38.8	10.0 U	169,000	16.7 B	10.5 B
15_DBMW51	165	4-Dec-92	F	31.0 U	40.7 B	0.7 U	38.3 B	869,000	3.7 U	0.9 U	69.8 B	3.0 U	351,000	298.0	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	783,000	2.8 U	8.2 B	18.7 B	1.1 BW	318,000	184.0	10.4 B	6,800	117.0 N	1.8 U	229,000	14.8 B	120.0
		8-Oct-93	F	33.8 B	54.6 B	3.0 BW	29.4 B	651,000	2.8 U	1.1 U	19.8 B	0.9 BWN	298,000	811.0	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	531,000	10.0 U	25.0 U	100.0 U	3.0 U	252,000	345.0	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	602,000	10.0 U	25.0 U	100.0 U	3.0 U	288,000	250.0	40.0 U	7,210	77.0	10.0 U	233,000	50 U	58.0
		3-Dec-96	F	18.5 B	60.0 U	9.4 B	24.9 B	380,000	10.0 U	1.9 B	20.2 B	2.1 B	169,000	704.0	11.1 B	5,910	16.2	10.0 U	203,000	14.8 B	48.7
16_DBMW52	222	4-Nov-92	F	49.1 B	20.5 B	0.7 U	35.2 B	141,000	3.7 U	0.9 U	2.3 U	0.6 U	106,000	157.0	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	149,000	5.2 B	1.5 B	20.8 B	0.4 U	107,000	12.0 B	184.0	5,330		1.2 U	135,000	11.8 B	7.3 B
		7-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	129,000	10.0 U	25.0 U	100.0 U	3.0 U	105,000	15.0 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	133,000	45.0	25.0 U	710.0	3.0 U	109,000	18.0	98.0	3,570 J	39.0	10.0 U	155,000	50 U	20.0 U
		7-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	119,000	10.0 U	25.0 U	100.0 U	3.0 U	103,000	15.0 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	150,000	28.0	25.0 U	510.0	3.0	121,000	40.0	120.0	4,100 J	41.0	10.0 U	170,000	50 U	20.0 U
		25-Nov-96	F	21.1 B	60.0 U	4.1 B	23.5 B	102,000	8.8 B	3.8 B	34.3 B	1.6 B	84,500	2.7 B	48.2	4,030 B	21.8	10.0 U	166,000	24.8 B	6.8 B

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
16_DGMW81	216	11-Dec-92	F	36.6 B	20.2 B	0.7 U	37.3 B		3.7 U	0.9 U	13.8 B	0.6 UW	112,000	110.0	229.0	5,310		2.3 B	166,000	17.1 B	10.7 B
		24-Jun-93	F	19.8 B	20.3 B	0.8 UW	32.7 BE	256,000	2.9 U	0.9 U	23.3 B	0.4 U	120,000	14.2 B	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	252,000	2.9 U	0.7 B	24.2 B	0.4 U	118,000	13.7 B	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	196,000	10.0 U	25.0 U	100.0 U	3.0 U	95,000	15.0 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	195,000	30.0	25.0 U	230.0	3.0 U	94,000	15.0 U	110.0	4,720 J	105.0	10.0 U	183,000	50 U	20.0 U
		8-Jan-97	F																		
16_UGMW33	220	17-Dec-92	F	31.0 U	15.5 B	17.0 W	22.5 B		3.7 U	2.1 B	14.0 B	0.6 U	37,400	5.1 B	7.7 U	3,410 B		2.1 U	88,700	20.8 B	15.0 B
		14-Jul-93	F	20.3 B	17.2 B	3.9 B	24.2 B	68,900	5.5 B	1.9 B	16.2 U	0.4 U	43,100	1.5 B	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	70,500	6.5 B	2.1 B	8.2 B	0.4 U	43,700	1.7 B	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	72,000	10.0 U	25.0 U	100.0 U	3.0 U	47,000	15.0 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	73,000	10.0 U	25.0 U	107.0	3.0 U	47,000	33.0	40.0 U	3,310 J	5.0 U	10.0 U	87,000	50 U	20.0 U
		25-Nov-96	F	21.0 B	60.0 U	3.6 B	35.1 B	62,700	8.5 B	2.4 B	29.5 B	1.3 B	43,900	2.7 B	3.5 B	3,800 B	5.0 U	10.0 U	79,300	30.5 B	8.7 B
17_DGMW82	255	8-Feb-93	F	40.5 B	12.1 U	5.6 B	30.8 BE		3.7 U	3.8 B	2.3 U	0.6 U	32,400	51.3	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	91,200	2.9 U	0.7 U	9.0 B	0.4 U	32,600	115.0	7.1 U	5,710	7.0 U	1.2 U	139,000	9.0 B	3.7 B
		3-Jun-93	F	13.6 B	9.0 U	5.7 BN	25.8 B	92,400	2.9 U	0.7 U	8.2 U	0.4 U	33,200	126.0	10.1 B	5,830	7.0 U	1.2 U	135,000	8.0 B	3.5 B
		6-Dec-95	F	14.1 U	2.2 U	5.0 B	23.4 B	74,400	0.9 J	0.7 U	89.8 J	1.5 U	25,100	16.4 J	14.5 J	4,780 B	3.7 U	0.8 U	146,000	9.7 B	7.3 UJ
		9-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	72,000	10.0 U	25.0 U	100.0 U	3.0 U	26,000	18.0	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	77,000	38.0	29.0	4370.0	29.0	28,000	15.0 U	51.0	4,450 J	5.0 U	10.0 U	149,000	50 U	120.0
		20-Nov-96	F	10.2 B	60.0 U	3.4 B	26.0 B	74,300	10.0 U	25.0 U	100.0 U	5.0 U	25,100	2.5 B	33.4 B	5,000	5.0 U	10.0 U	138,000	8.5 B	22.5
17_NEW1	226	12-Jan-96	F	11.7 B	2.5 U	6.7 B	39.0 B	81,400	2.8 B	1.0 U	41.9 B	1.6 U	23,500	87.7	197.0	2,870 B	15.1	0.7 U	46,200	17.5 B	4.6 B
		20-Nov-96	F	10.5 B	2.6 B	3.7 B	107.0 B	74,300	2.4 B	4.4 B	100.0 U	1.2 B	20,800	39.1	1220.0	1,960 B	5.0 U	10.0 U	43,000	12.3 B	11.3 B
17_NEW2	123	3-Jan-96	F	21.5 B	2.5 U	2.8 U	17.2 B	50,300	1.5 B	1.0 U	28.5 B	1.6 U	28,900	74.8	3.2 B	7,490	55.3	0.7 U	100,000	7.4 B	2.8 B
		20-Nov-96	F	17.8 B	60.0 U	10.0 U	35.1 B	29,300	10.0 U	2.4 B	100.0 U	5.0 U	18,100	76.5	92.7	5,190	5.0 U	10.0 U	91,100	4.5 B	4.7 B
18_BGMP06A	455	8-Oct-92	F	31.0 U	12.5 B	1.3 BW	30.8 B		3.7 U	0.9 U	2.3 U	0.6 U	28,000	32.7	7.7 U	3,190 B		2.1 U	91,300	17.8 B	105.0
		12-Aug-93	F	12.5 B	12.7 U	3.4 B	31.3 B		3.9 B	1.1 U	7.2 U	0.6 B	23,900	2.6 B	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	74,000	10.0 U	25.0 U	100.0 U	3.0 U	26,000	15.0 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	76,000	10.0 U	25.0 U	164.0	3.0 U	26,000	15.0 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	15.8 B	1.2 B	30.1 B		3.7 U	0.9 U	2.3 U	0.6 U	27,600	27.4	7.9 B	3,040 B	4.5 BN*	2.1 U	87,900	23.7 B	55.7
		11-Aug-93	F	16.4 B	12.7 U	2.6 B	31.6 B	90,500	2.8 U	1.1 U	10.6 B	0.5 U	26,000	25.9	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	94,000	10.0 U	25.0 U	100.0 U	3.0 U	28,000	33.0	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	97,000	10.0 U	25.0 U	100.0 U	3.0 U	28,000	24.0	40.0 U	2,930 J	23.6	10.0 U	87,000	50 U	20.0 U
18_BGMP06C	305	7-Oct-92	F	31.0 U	12.1 U	2.5 B	39.2 B	80,200	3.7 U	2.0 B	2.3 U	0.6 U	40,500	6.7 B	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	77,800	2.8 U	1.1 U	7.2 U	0.6 BW	28,800	8.9 B	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	59,000	10.0 U	25.0 U	100.0 U	3.0 U	25,000	23.0	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	61,000	10.0 U	25.0 U	116.0	3.0 U	26,000	54.0	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	112,000	3.7 U	1.8 B	2.3 U	0.6 U	51,900	6.3 B	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	168,000	2.8 U	1.1 U	7.2 U	0.5 U	54,800	14.7 B	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	184,000	10.0 U	25.0 U	100.0 U	3.0 U	56,000	16.0	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	186,000	10.0 U	25.0 U	100.0 U	3.0 U	56,000	16.0	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	92,500	3.7 U	2.7 B	10.7 B	0.6 U	66,000	6.6 B	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	30.8 B	2.9 B	32.2 B	230,000	2.8 U	1.1 U	7.2 U	0.5 U	73,100	0.9 B	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	247,000	10.0 U	25.0 U	100.0 U	3.0 U	80,000	15.0 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	255,000	10.0 U	25.0 U	100.0 U	3.0 U	84,000	15.0 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	84,600	3.7 U	0.9 U	2.3 U	0.6 U	25,500	59.4	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	97,000	2.9 U	1.9 B	8.2 U	1.3 B	26,100	12.6 B	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	110,000	10.0 U	25.0 U	100.0 U	3.0 U	28,000	37.0	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	108,000	10.0 U	25.0 U	100.0 U	3.0 U	27,000	15.0 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	28.2 B	72,400	3.7 U	1.0 B	2.3 U	0.6 U	19,000	34.3	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	80,100	2.9 U	0.7 U	16.4 B	0.4 U	20,400	1.4 B	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	89,000	10.0 U	25.0 U	100.0 U	3.0 U	22,000	15.0 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	89,000	10.0 U	25.0 U	100.0 U	3.0 U	22,000	15.0 U	40.0 U	2,840 J	5.0 U	10.0 U	150,000	50 U	30.0

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
18_BGMP08C	136	13-Oct-92	F	31.0 U	12.1 U	1.3 B	21.9 B	81,300	3.7 U	1.2 B	3.5 B	0.6 U	21,600	19.6	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	81,400	3.7 U	1.4 B	6.1 B	0.6 U	21,600	19.2	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	95,100	2.9 U	1.7 B	8.2 U	0.4 U	21,500	1.5 B	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	96,500	2.9 U	0.7 U	8.2 U	0.4 U	21,600	2.4 B	7.1 U	2,940 B	11.0 B	1.2 U	138,000	8.7 B	88.6
		16-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	107,000	10.0 U	25.0 U	100.0 U	3.0 U	24,000	15.0 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	107,000	10.0 U	25.0 U	100.0 U	3.0 U	25,000	15.0 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	283,000	3.7 U	1.3 B	2.3 U	0.6 U	63,800	313.0	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	284,000	2.9 U	30.8	9.4 B	0.4 U	63,400	6.7 B	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	233,000	10.0 U	25.0 U	100.0 U	3.0 U	52,000	15.0 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	231,000	10.0 U	25.0 U	100.0 U	3.0 U	53,000	15.0 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	34,500	3.7 U	0.9 U	10.1 B	0.6 U	11,800	41.8	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	50,400	2.9 U	0.7 U	13.4 B	0.4 U	14,700	71.8	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	67,000	10.0 U	25.0 U	100.0 U	3.0 U	22,000	47.0	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	70,000	10.0 U	25.0 U	100.0 U	3.0 U	23,000	51.0	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	26,300	3.7 U	0.9 U	73.6 B	0.6 U	11,100	7.8 B	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	49,100	2.9 U	0.7 U	10.3 B	0.4 U	16,700	10.9 B	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	67,000	10.0 U	25.0 U	100.0 U	3.0 U	18,000	15.0 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	65,000	10.0 U	25.0 U	100.0 U	6.0	18,000	15.0 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	51,400	3.7 U	0.9 U	14.4 B	0.6 U	19,200	25.6	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	42,200	2.9 U	3.0 B	16.8 B	0.4 U	17,900	1.2 B	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	48,000	10.0 U	25.0 U	100.0 U	3.0 U	23,000	15.0 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	43,000	10.0 U	25.0 U	100.0 U	3.0 U	21,000	15.0 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	76,000	3.7 U	0.9 U	2.3 U	0.6 U	17,300	1.4 B	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	84,800	2.9 U	0.7 U	8.2 U	0.4 U	17,600	1.0 B	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	93,000	10.0 U	25.0 U	100.0 U	3.0 U	20,000	15.0 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	92,000	10.0 U	25.0 U	100.0 U	3.0 U	19,000	15.0 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	111,000	3.7 U	0.9 U	2.3 U	0.6 U	26,400	5.2 B	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	112,000	3.7 U	1.2 B	6.4 B	0.6 U	26,200	5.2 B	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	123,000	2.9 U	1.2 B	8.2 U	0.4 U	27,200	2.1 B	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	120,000	2.9 U	1.4 B	16.6 B	0.4 U	26,400	2.1 B	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	140,000	10.0 U	25.0 U	100.0 U	3.0 U	32,000	15.0 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	140,000	10.0 U	25.0 U	100.0 U	3.0 U	31,000	15.0 U	40.0 U	3,420 J	5.0 U	10.0 U	144,000	50 U	20.0 U
18_BGMP09F	69	19-Oct-92	F	69.9 B	12.1 U	12.6	26.6 B	177,000	3.7 U	0.9 U	19.7 B	0.6 U	44,300	57.0	9.7 B	3,690 B	5.8 BN	2.1 U	213,000	7.8 B	13.7 B
		18-Jun-93	F	38.3 B	15.0 B	11.1	31.5 B	164,000	2.9 U	0.7 U	15.4 B	0.4 U	46,200	11.2 B	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	185,000	10.0 U	25.0 U	100.0 U	3.0 U	46,000	15.0 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	181,000	10.0 U	25.0 U	100.0 U	3.0 U	45,000	15.0 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	134,000	3.7 U	2.6 B	2.3 U	0.6 U	59,600	51.6	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	58,900	2.8 U	4.6 B	1450.0	0.5 B	39,300	83.2	7.5 U	5,050	5.8 B	1.8 U	167,000	1.8 U	161.0
		19-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	6,470	10.0 U	25.0 U	100.0 U	3.0	7,160	15.0 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	5,910	10.0 U	25.0 U	140.0	3.0 U	7,000	15.0 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	109,000	3.7 U	0.9 U	2.3 U	0.6 U	42,300	99.6	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	110,000	3.7 U	0.9 U	4.8 B	0.6 U	42,600	101.0	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	105,000	2.8 U	1.1 U	29.4 B	0.5 U	39,300	355.0	7.5 U	3,990 B	3.5 U	1.8 U	151,000	2.0 B	6.2 B
		23-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	39,000	10.0 U	25.0 U	100.0 U	5.0	15,000	99.0	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	40,000	10.0 U	25.0 U	184.0	3.0 U	14,000	97.0	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	125,000	3.7 U	0.9 U	2.6 U	0.6 U	48,000	119.0	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	48,300	2.9 U	0.7 U	12.1 B	0.4 U	17,200	95.6	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	19,000	10.0 U	25.0 U	100.0 U	3.0 U	11,000	15.0 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	20,000	10.0 U	25.0 U	100.0 U	3.0 U	11,000	15.0 U	40.0 U	3,050 J	5.0 U	10.0 U	100,000	50 U	190.0

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
18_BGMP10D	573	22-Jan-93	F	31.0 U	12.1 U	12.4	37.3 BE	59,400	3.7 U	0.9 U	2.6 B	0.6 U	22,400	84.8	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	60,500	2.9 U	0.7 U	47.8 B	0.4 U	21,000	82.8	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	46,000	10.0 U	25.0 U	196.0	3.0 U	15,000	85.0	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	45,000	10.0 U	25.0 U	220.0	3.0 U	15,000	85.0	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	133,000	3.7 U	0.9 U	2.3 U	0.6 U	50,900	183.0	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	57,000	2.9 U	0.7 U	12.8 B	0.4 U	20,900	41.3	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	56,100	2.9 U	0.7 U	11.9 B	0.4 U	20,700	40.4	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	52,000	10.0 U	25.0 U	109.0	3.0 U	19,000	44.0	40.0 U	2,810 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	52,000	10.0 U	25.0 U	128.0	3.0 U	19,000	45.0	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	133,000	3.7 U	1.1 B	3.5 B	0.6 U	51,200	202.0	12.5 B	3,910 B	1.4 BW	2.6 B	165,000	1.9 U	105.0 E
		25-Jun-93	F	14.1 B	17.2 B	2.0 B	57.3 BE	134,000	2.9 U	0.7 U	11.2 B	0.4 U	57,300	64.6	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	152,000	10.0 U	25.0 U	100.0 U	5.0	60,000	150.0	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	152,000	10.0 U	25.0 U	100.0 U	6.0	60,000	150.0	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	32,200	12.7	4.5 B	2280.0	2.7 B	19,500	235.0	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	39,300	2.9 U	0.7 U	64.7 B	0.4 U	19,500	173.0	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	39,600	2.9 U	0.7 U	69.9 B	0.4 U	19,600	172.0	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	47,000	10.0 U	25.0 U	730.0	3.0	24,000	260.0	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	47,000	10.0 U	25.0 U	920.0	4.0	24,000	290.0	40.0 U	5,910	5.0 U	10.0 U	374,000	50 U	20.0 U
		26-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	47,000	10.0 U	25.0 U	740.0	3.0 U	24,000	260.0	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	47,000	10.0 U	25.0 U	860.0	4.0	24,000	260.0	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	52,500	3.7 U	0.9 U	37.0 B	0.6 U	21,800	96.3	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	54,700	2.9 U	0.8 B	45.0 B	0.4 U	22,800	193.0	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	61,000	10.0 U	25.0 U	100.0 U	4.0	25,000	110.0	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	61,000	10.0 U	25.0 U	109.0	3.0 U	25,000	110.0	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	85,200	3.7 U	0.9 U	25.5 B	0.6 U	30,100	25.4	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	89,900	2.9 U	0.7 U	14.8 B	0.4 U	32,100	26.9	183.0	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	94,000	10.0 U	25.0 U	100.0 U	3.0 U	33,000	15.0 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	95,000	15.0	25.0 U	290.0	3.0 U	33,000	15.0 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	117,000	3.7 U	0.9 U	24.2 B	0.6 U	53,600	90.7	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	125,000	10.0 U	25.0 U	100.0 U	4.0	56,000	15.0 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	127,000	10.0 U	25.0 U	124.0	4.0	57,000	15.0 U	180.0	3,100 J	16.0	10.0 U	89,000	50 U	20.0 U
18_BGMW01E	225	27-Oct-92	F	31.0 U	13.3 B	2.0 B	109.0 B	94,500	3.7 U	1.2 B	7.5 B	0.6 U	60,000	32.0	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	108.0 B	93,200	3.7 U	1.2 B	6.7 B	0.6 U	59,100	31.3	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	94,800	2.9 U	1.4 B	8.2 U	0.4 U	59,400	58.6	8.3 B	3,950 B	20.1 B	1.4 B	129,000	18.6 B	5.7 B
		5-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	88,000	10.0 U	25.0 U	100.0 U	3.0 U	58,000	94.0	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	86,000	10.0 U	25.0 U	100.0 U	3.0 U	57,000	100.0	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	51,900	3.7 U	0.9 U	46.7 B	0.6 U	22,900	129.0	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	54,200	2.9 U	0.7 U	58.3 B	0.4 U	23,000	160.0	7.1 U	5,800	0.7 UN	1.2 U	94,400	1.7 U	2.5 B
		19-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	53,000	10.0 U	25.0 U	100.0 U	3.0	24,000	170.0	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	54,000	10.0 U	25.0 U	101.0	3.0 U	25,000	180.0	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	71,600	3.7 U	0.9 U	22.3 B	1.7 B	22,100	99.8	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	74,800	2.9 U	0.7 U	29.0 B	0.4 U	22,600	107.0	78.0	3,340 B	7.5 N	1.2 U	85,500	16.6 B	1.9 B
		18-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	78,000	10.0 U	25.0 U	100.0 U	3.0 U	24,000	31.0	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	73,000	13.0	25.0 U	660.0	3.0 U	24,000	43.0	200.0	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	88,100	3.7 U	0.9 U	9.5 B	0.6 U	24,800	103.0	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	89,900	2.9 U	0.7 U	20.1 B	0.4 U	25,500	20.0	7.8 B	3,860 B	16.0 B	1.2 U	79,800	16.8 B	3.6 B
		17-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	94,000	10.0 U	25.0 U	100.0 U	3.0 U	27,000	26.0	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	95,000	10.0 U	25.0 U	2390.0	3.0 U	29,000	57.0	40.0 U	3,810 J	8.0	10.0 U	82,000	50 U	20.0 U
		17-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	93,000	10.0 U	25.0 U	100.0 U	3.0 U	27,000	25.0	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	97,000	10.0 U	25.0 U	1900.0	3.0 U	28,000	59.0	40.0 U	3,530 J	9.0	10.0 U	76,000	50 U	20.0 U

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
18_BGMW02E	233	21-Sep-92	F	31.0 U	13.2 B	3.2 B	49.3 B	109,000	3.7 U	1.4 B	26.2 B	0.6 U	33,200	65.0	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	109,000	2.9 U	0.7 U	56.6 B	0.4 U	32,400	17.2	294.0	3,610 B	14.0 B	1.2 U	89,400	9.2 B	6.1 B
		1-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	118,000	10.0 U	25.0 U	100.0 U	3.0 U	35,000	15.0	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	119,000	80.0	25.0 U	820.0	3.0 U	36,000	40.0	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	75,900	3.7 U	0.9 U	2.3 U	0.6 U	23,400	3.2 B	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	78,200	2.9 U	2.7 B	27.4 B	0.4 U	24,500	13.5 B	237.0	2,610 B	14.4 SN	1.2 U	101,000	14.6 B	5.3 B
		29-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	78,000	10.0 U	25.0 U	100.0 U	3.0 U	24,000	42.0	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	75,000	10.0 U	25.0 U	175.0	3.0 U	23,000	45.0	160.0	5,230	7.0	10.0 U	89,000	50 U	140.0
		29-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	78,000	10.0 U	25.0 U	100.0 U	3.0 U	24,000	40.0	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	79,000	10.0 U	25.0 U	136.0	3.0 U	24,000	44.0	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	71,600	3.7 U	0.9 U	3.6 B	0.6 U	21,500	5.0 B	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	70,700	3.7 U	0.9 U	4.5 B	0.6 U	21,400	5.0 B	67.4	2,170 B	11.2 SN	2.1 U	86,100	19.9 B	4.7 B
		14-Jul-93	F	7.0 U	9.0 U	2.0 B	38.2 B	75,300	2.9 U	0.7 U	42.9 B	0.4 U	22,100	39.1	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	75,000	10.0 U	25.0 U	100.0 U	3.0 U	22,000	20.0	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	75,000	13.0	25.0 U	139.0	3.0 U	22,000	20.0	240.0	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	84,200	3.7 U	0.9 U	31.2 B	0.6 U	24,500	13.8 B	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	84,500	2.8 U	2.4 B	49.7 B	0.4 U	24,700	6.6 B	38.9 B	2,820 B	14.4 SN	2.9 B	76,300	20.4 B	3.3 B
		12-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	97,000	10.0 U	25.0 U	100.0 U	3.0 U	29,000	15.0 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	99,000	10.0 U	25.0 U	100.0 U	3.0 U	29,000	15.0 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	135,000	3.7 U	1.0 B	20.7 B	0.6 U	34,700	27.0	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	15.2 B	1.2 BWN	33.0 B	136,000	2.8 U	2.8 B	40.6 B	0.4 U	34,100	22.7	171.0	5,970	13.9 SN	2.9 B	76,700	10.8 B	2.8 B
		5-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	138,000	10.0 U	25.0 U	100.0 U	3.0 U	34,000	15.0	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	135,000	27.0	25.0 U	370.0	3.0 U	34,000	18.0	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	76,900	3.7 U	1.8 B	23.0 B	0.6 U	20,400	19.7	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	79,300	2.9 U	0.7 U	16.1 B	0.4 U	20,700	10.9 B	217.0	2,950 B	6.1 S	1.2 U	93,600	19.8 B	4.3 B
		28-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	81,000	10.0 U	25.0 U	100.0 U	3.0 U	22,000	69.0	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	82,000	47.0	25.0 U	490.0	3.0 U	22,000	71.0	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	86,000	4.0 B	0.9 U	6.6 B	0.6 U	22,800	5.4 B	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	93,900	5.2 B	0.7 U	57.6 B	0.4 U	25,300	7.0 B	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	94,100	3.4 B	4.2 B	59.9 B	0.4 U	25,500	7.2 B	86.2	2,710 B	6.5 N	1.2 U	101,000	18.7 B	5.2 B
		19-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	115,000	10.0 U	25.0 U	100.0 U	3.0 U	31,000	48.0	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	114,000	160.0	25.0 U	1400.0	3.0 U	31,000	33.0	61.0	2,410 J	6.0	10.0 U	106,000	50 U	20.0 U
		19-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	116,000	150.0	25.0 U	1600.0	3.0 U	31,000	41.0	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	113,000	10.0 U	25.0 U	100.0 U	3.0 U	31,000	15.0 U	54.0	2,370 J	6.0	10.0 U	104,000	50 U	20.0 U
18_BGMW05A	482	15-Dec-92	F	34.0 B	20.4 B	0.7 U	52.0 B	176,000	3.7 U	0.9 U	122.0	0.6 UW	93,100	423.0	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	173,000	2.9 U	0.8 B	79.3 B	0.4 UW	88,400	485.0	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	125,000	10.0 U	25.0 U	147.0	4.0	66,000	300.0	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	126,000	10.0 U	25.0 U	550.0	4.0	68,000	310.0	40.0 U	34,000	5.0 U	10.0 U	602,000	50 U	46.0
		26-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	119,000	10.0 U	25.0 U	124.0	3.0 U	65,000	300.0	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	120,000	10.0 U	25.0 U	470.0	5.0	64,000	290.0	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	84,500	12.0	1.3 B	10.1 B	0.6 U	17,300	24.8	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	82,700	2.9 U	1.0 B	84.4 B	0.4 U	18,700	25.4	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	95,000	10.0 U	25.0 U	100.0 U	3.0 U	19,000	15.0 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	94,000	78.0	25.0 U	540.0	3.0 U	19,000	15.0 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	90,500	3.7 U	1.5 B	5.9 B	0.6 U	18,200	2.0 B	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	91,100	3.7 U	0.9 U	4.1 B	0.6 U	18,300	2.0 B	48.9	2,550 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	93,800	4.2 B	0.8 B	29.9 B	0.4 U	17,500	4.1 B	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	81,000	10.0 U	25.0 U	100.0 U	3.0 U	17,000	15.0 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	83,000	3.7 U	25.0 U	100.0 U	3.0 U	18,000	15.0 U	300.0	3,480 J	9.0	10.0 U	112,000	50 U	54.0

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
18_BGMW05D	133	3-Nov-92	F	31.0 U	12.1 U	0.7 U	123.0 BE	119,000		16.9 B	18.7 B	0.6 U	31,200	24.8	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	135,000	2.9 U	0.7 U	113.0	0.4 U	34,000	14.7 B	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	141,000	10.0 U	25.0 U	100.0 U	4.0	36,000	20.0	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	139,000	43.0	25.0 U	390.0	5.0	38,000	14.0 J	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	149,000	3.7 U	0.9 U	80.1 B	0.6 U	42,400	706.0	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	148,000	2.9 U	0.7 U	45.1 B	0.4 U	41,200	629.0	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	211,000	10.0 U	25.0 U	100.0 U	3.0 U	55,000	689.0	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	198,000	10.0 U	25.0 U	100.0 U	3.0 U	52,000	641.0	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	190,000	3.7 U	0.9 U	2.3 U	0.6 U	140,000	163.0	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	188,000	10.0 U	25.0 U	100.0 U	3.0 U	121,000	49.0	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	118,000	3.7 U	2.0 B	28.3 B	0.6 U	27,000	5.2 B	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	141,000	5.6 B	4.3 B	200.0	0.5 U	31,400	31.3	590.0	1,610 B	3.5 U	1.8 U	111,000	10.7 B	4.0 B*
		16-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	208,000	10.0 U	25.0 U	100.0 U	4.0	50,000	58.0	650.0	3,120 J	5.0 U	10.0 U	153,000	50 U	20.0 U
		16-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	198,000	79.0	25.0 U	610.0	3.0	48,000	64.0	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	279,000	3.7 U	0.9 U	2.3 U	0.6 U	90,200	175.0	7.7 U	5,250	82.1 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	386,000	2.9 U	1.9 B	8.2 U	0.4 U	121,000	151.0	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	321,000	10.0 U	25.0 U	100.0 U	3.0 U	115,000	19.0	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	315,000	20.0	25.0 U	1500.0	3.0 U	112,000	61.0	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	108,000	3.7 U	1.8 B	2.3 U	0.6 U	52,900	6.5 B	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	108,000	3.7 U	1.2 B	4.7 B	0.6 U	52,500	4.5 B	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	18.2 B	2.6 B	19.7 B	98,200	4.4 B	2.8 B	51.5 B	0.4 U	49,700	10.5 B	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	109,000	10.0 U	25.0 U	430.0	3.0	56,000	67.0	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	112,000	58.0	25.0 U	830.0	3.0 U	56,000	42.0	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	15.6 B	3.9 B	67.9 B	120,000	3.7 U	0.9 U	38.4 B	0.6 U	35,000	17.3	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	118,000	3.5 B	0.7 U	149.0	0.4 U	33,800	15.7	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	124,000	10.0 U	25.0 U	200.0	4.0	37,000	15.0	220.0	2,690 J	13.0	10.0 U	106,000	50 U	20.0 U
		29-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	123,000	50.0	25.0 U	760.0	3.0 U	37,000	25.0	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	98,500	3.7 U	0.9 U	3.6 B	0.6 U	62,700	7.2 B	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	101,000	3.8 B	1.5 B	8.2 U	0.4 UW	61,600	5.0 B	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	98,000	10.0 U	25.0 U	100.0 U	3.0 U	64,000	15.0 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	99,000	10.0 U	25.0 U	100.0 U	3.0 U	64,000	15.0 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	96,800	4.1 B	2.3 U	29.1 B	1.4 U	32,800	13.0 B	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	103,000	2.9 U	0.7 U	8.2 U	0.4 U	33,900	34.5	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	104,000	10.0 U	25.0 U	100.0 U	3.0 U	36,000	15.0 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	98,000	10.0 U	25.0 U	100.0 U	3.0 U	35,000	15.0 U	40.0 U	3,740 J	5.0 U	10.0 U	97,000	50 U	59.0
18_BGMW19B	420	17-Dec-92	F	31.0 U	19.1 B	122.0 W	37.4 B	93,200	3.7 U	6.9 B	48.4 B	0.6 U	31,000	64.9	45.2	3,370 B	13.8	2.2 B	102,000	18.6 B	96.1
		11-Jun-93	F	22000	9.0 U	8.8 B	241.0 E	119,000	176.0	29.0	29700.0	11.7	45,000	468.0	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	87,000	10.0 U	25.0 U	100.0 U	3.0 U	32,000	70.0	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	93,000	10.0 U	25.0 U	194.0	3.0 U	33,000	76.0	160.0	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	133,000	5.0 B	3.0 B	41.4 B	1.4 U	52,500	10.8 B	19.4 B	5,670	53.6 S	1.5 B	141,000	22.3 B	13.4 B
		24-Sep-92	F	25.4 B	15.6 B	3.6 B	37.3 BE	136,000	7.2 B	2.7 B	45.7 B	1.4 U	52,900	10.9 B	25.1 B	5,140	51.4 *	1.5 U	141,000	25.4 B	40.3
		28-Jun-93	F	20.3 B	21.6 B	2.3 B	32.5 B	147,000	3.4 B	0.8 B	24.8 B	0.4 U	56,600	5.5 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	162,000	10.0 U	25.0 U	100.0 U	3.0 U	66,000	15.0 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	161,000	18.0	25.0 U	177.0	3.0 U	66,000	15.0 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	227,000	3.7 U	0.9 U	2.3 U	0.6 U	108,000	1.9 B	7.7 U	3,200 B	24.8 SN	2.1 U	190,000	23.8 B	3.4 B
		14-Jun-93	F	62.0 B	23.8 B	2.5 B	21.0 BE	209,000	2.9 U	0.7 U	8.2 U	0.4 U	98,800	1.3 B	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	292,000	10.0 U	25.0 U	100.0 U	5.0	159,000	15.0 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	294,000	10.0 U	25.0 U	100.0 U	6.0	156,000	15.0 U	40.0 U	5,810	12.0	10.0 U	244,000	50 U	51.0

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
18_BGMW19E	138	12-Nov-92	F	31.0 U	15.1 B	0.7 U	46.9 B	197,000	3.7 U	1.1 B	2.3 U	0.6 U	89,300	9.9 B	9.0 B	5,230	18.6 SN	2.1 U	229,000	15.7 B	9.1 B
		14-Jun-93	F	66.9 B	23.8 B	2.0 B	44.0 BE	197,000	2.9 U	1.9 B	12.9 B	0.4 U	91,200	8.7 B	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	193,000	14.0	25.0 U	100.0 U	6.0	84,000	46.0	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	190,000	14.0	25.0 U	300.0		83,000	65.0	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	57,100	3.7 U	1.2 B	8.6 B	0.6 U	37,300	6.4 B	66.4	2,890 B	2.6 BN*	2.1 U	181,000	32.7 B	2.2 U
		28-Jun-93	F	7.8 B	9.2 B	5.7 B	50.1 B	49,900	2.9 U	0.7 U	198.0	0.4 U	32,900	30.1	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	48,000	10.0 U	25.0 U	100.0 U	3.0 U	30,000	19.0	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	48,000	35.0	25.0 U	1000.0	3.0 U	30,000	26.0	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	103,000	3.7 U	0.9 U	40.8 B	0.6 U	25,700	2.7 B	7.7 U	2,390 B	6.6	2.1 U	147,000	10.8 B	4.9 B
		22-Jun-93	F	12.0 B	9.0 U	0.6 B	50.5 BE	99,300	2.9 U	0.7 U	37.2 B	0.4 U	25,000	2.5 B	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	106,000	10.0 U	25.0 U	100.0 U	5.0	28,000	15.0 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	107,000	41.0	25.0 U	610.0	5.0	29,000	17.0	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	75,500	3.7 U	1.8 B	3.5 B	0.6 U	42,700	26.3	7.7 U	5,370	34.2 SN	2.1 U	93,200	9.8 B	2.7 B
		9-Jul-93	F	28.4 B	10.9 B	4.0 B	26.4 BE	96,800	2.9 U	1.8 B	29.7 B	0.4 U	36,300	2.7 B	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	87,000	10.0 U	25.0 U	100.0 U	3.0 U	45,000	15.0 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	79,000	20.0	25.0 U	780.0	3.0 U	40,000	15.0 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	207,000	3.7 U	1.8 B	2.3 U	0.6 U	55,000	23.3	114.0	2,790 B	25.7 SN	2.1 U	157,000	21.2 B	4.4 B
		19-Jul-93	F	31.6 B	11.9 B	1.4 B	24.6 B	207,000	7.7 B	0.7 U	156.0	0.4 U	54,700	13.3 B	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	231,000	10.0 U	25.0 U	240.0	3.0 U	62,000	20.0	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	232,000	356.0	25.0 U	3410.0	3.0 U	62,000	28.0	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
		22-Dec-92	F	39.4 U	10.7 U	1.8 B	22.2 B	229,000	2.9 U	2.3 U	35.8 B	1.4 U	119,000	10.2 B	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	226,000	3.3 B	2.3 U	43.4 B	1.4 U	119,000	10.6 B	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	311,000	10.0 U	25.0 U	100.0 U	7.0	154,000	15.0 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	318,000	29.0	25.0 U	320.0	9.0	157,000	15.0 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					61,000		9.0 U	8100.0		29,000	50.0		3,100	4.0		90,000		890.0
		21-Dec-92	F	31.0 U	12.1 U	2.7 B	32.7 BE	90,700	3.7 U	0.9 U	31.2 B	0.6 U	26,200	21.5	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	103,000	2.9 U	1.4 B	56.6 B	0.4 U	29,900	38.6	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	94,000	10.0 U	25.0 U	630.0	3.0 U	28,000	130.0	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	93,000	10.0 U	25.0 U	1400.0	4.0	27,000	140.0	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	5600.0		24,000	160.0		2,900	3.0		85,000		240.0
		11-Jan-93	F	35.5 B	15.6 B	0.8 B	34.6 B	85,900	3.7 U	3.0 B	174.0	0.6 U	27,900	52.3	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	81,500	2.9 U	1.2 B	103.0	0.4 U	25,700	14.1 B	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	95,000	10.0 U	25.0 U	134.0	3.0 U	30,000	91.0	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	96,000	16.0	25.0 U	6340.0	3.0 U	30,000	160.0	40.0 U	2,720 J	17.0	10.0 U	96,000	50 U	20.0 U
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	87,100	3.7 U	2.0 B	323.0	0.6 U	27,300	68.7	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	85,400	2.9 U	0.7 U	91.2 B	0.4 U	26,300	27.8	7.1 U	2,510 B	11.1 SN	1.2 U	85,200	13.1 B	4.6 B
		29-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	110,000	10.0 U	25.0 U	136.0	3.0 U	35,000	Y	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	111,000	10.0 U	25.0 U	900.0	5.0	35,000	98.0	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	84,200	3.7 U	11.8 B	385.0	0.6 U	27,400	117.0	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	82,200	2.9 U	0.7 U	91.2 B	0.4 U	26,400	62.3	8.1 B	2,460 B	9.9 SN	1.2 U	83,900	11.0 B	5.0 B
		30-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	89,000	10.0 U	25.0 U	191.0	3.0 U	29,000	160.0	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	87,000	10.0 U	25.0 U	1600.0	3.0 U	28,000	160.0	40.0 U	2,150 J	12.0	10.0 U	84,000	50 U	20.0 U

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
18MCAS01-1	70	6-Feb-89	NA	22.0		9.1	86.0		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	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	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
		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	131,000	2.2 U	1.3 U	7.3 U	0.3 U	33,900	0.8 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	169,000	10.0 U	25.0 U	100.0 U	3.0 U	41,000	15.0 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	173,000	10.0 U	25.0 U	100.0 U	3.0 U	41,000	15.0 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	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	62.0		42.0	76.0	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		
		11-Nov-90	NA					371,000					60,000			3,300			190,000		
		21-Mar-91	NA	1.0 U		5.0 U	36.0	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	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	385,000		1.3 U	7.3 U	0.3 U	97,600	3.0 B	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	436,000	10.0 U	25.0 U	100.0 U	3.0 U	107,000	15.0 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	441,000	14.0	25.0 U	100.0 U	3.0 U	107,000	15.0 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	180,000	1.0 U	1.4	16.0		49,000	85.0		3,700		0.1 U	172,000		52.0
		19-Oct-89	NA	123.0		27.0	167.0	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					206,000					50,000			3,400			161,000		
		11-Nov-90	NA					209,000					43,000			3,500			188,000		
		21-Mar-91	NA	3.4		5.0 U	52.0	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	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	211,000	10.0 U	25.0 U	100.0 U	3.0 U	53,000	15.0 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	204,000	150.0	25.0 U	1500.0	3.0 U	51,000	15.0 U	350.0	3,290 J	18.0	10.0 U	177,000	50 U	43.0
18MCAS01-4	280	7-Feb-89	NA	67.0		5.0 U	112.0	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	178,000	131.0	7.3	2270.0	1.0 U	47,000	67.0		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	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	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
		22-Sep-92	F					157,000					39,000			3,800			160,000		
		24-Nov-93	F	27.4 B	15.8 B	1.2 B	66.3 B	197,000	2.2 U	1.3 U	57.6 B	0.3 U	49,200	20.1	226.0	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	154,000	2.2 U	1.3 U	11.5 B	0.3 U	40,000	4.4 B	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	160,000	10.0 U	25.0 U	100.0 U	3.0 U	41,000	17.0	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	158,000	10.0 U	25.0 U	100.0 U	3.0 U	40,000	20.0	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	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	150,000	59.0	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		
		21-Mar-91	NA	1.0 U		5.0 U	22.0	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	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	98,000	10.0 U	25.0 U	100.0 U	3.0 U	27,000	15.0 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	98,000	10.0 U	25.0 U	108.0	3.0 U	27,000	15.0 U	120.0	3,050 J	5.0 U	10.0 U	147,000	50 U	36.0

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
18MCAS01-6	460	6-Feb-89	NA	**86.0**		5.0 U	83.0	74,000	9.1	9.5	**370.0**	4.0	30,000	**296.0**		4,700	5.0 U	0.1 U	126,000		55.0
		19-Oct-89	NA	**58.0**		5.0 U	66.0	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		
		19-Mar-91	NA	17.0		5.0 U	35.0	137,000	14.0	53.0	7.1	1.0 U	31,000	**190.0**		4,300	5.0 U	1.0 U	184,000		82.0
		17-Jul-91	NA	1.0 U		5.0 U	46.0	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	95,600	2.2 U	1.3 U	32.9 B	0.3 U	22,400	**807.0**	**841.0**	3,850 B	0.9 B	1.8 U	127,000	2.2 B	13.2 B
		16-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	97,000	10.0 U	25.0 U	100.0 U	3.0 U	23,000	**626.0**	**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	97,000	10.0 U	25.0 U	157.0	3.0 U	23,000	**633.0**	**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	181,000	42.0	45.0	**960.0**	11.0	72,000	**1100.0**		7,400	5.0 U	0.1 U	260,000		180.0
		19-Oct-89	NA	**308.0**		5.0 U	87.0	191,000	19.0	5.6	**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	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
		17-Jul-91	NA	1.0 U		5.0 U	81.0	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	56,800	46.0	1.3 U	**2010.0**	0.8 B	13,100	**676.0**	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	42,000	**170.0**	25.0 U	**1900.0**	3.0 U	10,000	**447.0**	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	44,000	**130.0**	25.0 U	**1400.0**	3.0 U	10,000	**461.0**	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	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	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	246,000	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
		9-Jul-91	NA	1.3		5.0 U	23.0	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	238,000	2.6 B	1.3 U	7.3 U	0.3 U	64,600	0.8 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	258,000	10.0 U	25.0 U	100.0 U	4.0	72,000	15.0 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	261,000	10.0 U	25.0 U	100.0 U	4.0	74,000	15.0 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	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	**80.0**		5.0 U	102.0	516,000	**89.0**	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	523,000	31.0	27.0	3.7	1.0 U	96,000	6.1		4,200	42.0	1.0 U	256,000		50.0 U
		9-Jul-91	NA	4.6		5.0 U	45.0	413,000	2.8	16.0	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	472,000	2.2 U	1.3 U	9.6 B	0.3 UW	111,000	17.1	**261.0**	3,960 B	**83.6**	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	393,000	10.0 U	25.0 U	100.0 U	4.0	97,000	15.0	**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	411,000	**58.0**	25.0 U	**580.0**	3.0 U	102,000	17.0	**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	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	149,000	8.0	7.9	36.0	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	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	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
		17-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	149,000	2.2 U	1.3 U	7.3 U	0.3 U	40,800	1.0 B	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	131,000	10.0 U	25.0 U	100.0 U	5.0	39,000	15.0 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	134,000	10.0 U	25.0 U	100.0 U	4.0	40,000	15.0 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	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	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	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
		9-Jul-91	NA	**95.0**		5.0 U	33.0	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	101,000	2.7 B	1.3 U	7.3 U	0.3 U	26,000	0.8 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	129,000	10.0 U	25.0 U	100.0 U	3.0 U	34,000	15.0	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	122,000	10.0 U	25.0 U	100.0 U	3.0 U	33,000	15.0 U	40.0 U	3,660 J	17.0	10.0 U	176,000	50 U	59.0

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
18MCAS02-5	430	8-Feb-89	NA	120.0		8.3	63.0	66,000	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	87,000	19.0	7.5	3.9	1.0 U	23,000	58.0		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	163,000	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	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	103,000	2.2 U	1.3 U	16.9 B	0.3 U	27,500	254.0	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	109,000	10.0 U	25.0 U	100.0 U	3.0	29,000	317.0	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	104,000	10.0 U	25.0 U	210.0	3.0	28,000	317.0	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	137,000	29.0	3.8	560.0	1.7	44,000	550.0		9,300	16.0	0.1 U	384,000		65.0
		10-Oct-89	NA	58.0		5.0 U	44.0	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	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	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					58,000					16,000			3,600			432,000		
		15-Nov-93	F	19.8 B	12.8 U	0.7 U	24.8 B	54,000	2.2 U	1.3 U	58.0 B	0.3 B	16,000	306.0	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	67,000	10.0 U	25.0 U	100.0 U	3.0	19,000	390.0	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	67,000	10.0 U	25.0 U	193.0	3.0 U	19,000	391.0	320.0	4,250 J	5.0 U	10.0 U	437,000	50 U	39.0
18MCAS02-7	560	8-Feb-89	NA	44.0		7.8	87.0	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	96.0		5.0 U	56.0	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	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	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	86,800	2.2 U	1.3 U	244.0	0.6 B	30,200	754.0	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	87,000	53.0	25.0 U	950.0	3.0 U	32,000	961.0	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	88,000	110.0	25.0 U	1000.0	3.0 U	32,000	999.0	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	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	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	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	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	46,600	2.2 U	1.3 U	4140.0	0.3 U	15,000	1100.0	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	52,000	10.0 U	25.0 U	2550.0	3.0 U	17,000	1280.0	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	50,000	150.0	28.0	4880.0	7.0	18,000	1260.0	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	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	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	337,000	24.0	28.0	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	265,000	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	13.6 B	2.0 B	30.0 B	232,000	4.3 B	1.3 U	90.6 B	0.4 B	61,600	56.5	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	230,000	2.2 U	1.3 U	22.9 B	0.3 U	61,500	56.5	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	228,000	18.0	25.0 U	560.0	3.0 U	64,000	639.0	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	231,000	45.0	25.0 U	420.0	3.0 U	66,000	98.0	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	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	276.0		5.0 U	133.0	235,000	6.6	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	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	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	62.0 B	15.1 B	0.7 U	43.2 B	218,000	2.2 U	1.3 U	56.4 B	0.3 U	61,400	119.0	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	215,000	10.0 U	25.0 U	100.0 U	3.0 U	62,000	303.0	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	221,000	150.0	25.0 U	3150.0	3.0 U	64,000	290.0	4050.0	3,530 J	47.0	10.0 U	122,000	50 U	50.0

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
18MCAS03-3	230	30-Jan-89	NA	11.0		5.4	130.0	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	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	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	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	95,500	2.2 U	1.3 U	24.3 B	0.3 U	23,500	13.3 B	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	104,000	10.0 U	25.0 U	100.0 U	3.0 U	26,000	27.0	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	106,000	19.0	25.0 U	146.0	3.0 U	27,000	38.0	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	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	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	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	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	85,800	2.2 U	1.3 U	31.1 B	0.3 U	25,700	13.0 B	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	89,000	10.0 U	25.0 U	100.0 U	3.0 U	27,000	15.0 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	89,000	21.0	25.0 U	260.0	3.0 U	27,000	16.0	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	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	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	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	88,000	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	78,200	2.2 U	1.3 U	45.4 B	0.6 B	23,700	4.6 B	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	81,000	10.0 U	25.0 U	100.0 U	3.0 U	25,000	15.0 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	82,000	10.0 U	25.0 U	100.0 U	3.0 U	25,000	22.0	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	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	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	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	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	70,100	73.2	4.3 B	3580.0	0.4 B	18,700	939.0	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	69,000	329.0	25.0 U	17100.0	3.0 U	19,000	1370.0	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	67,000	774.0	25.0 U	17300.0	3.0	19,000	1370.0	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	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	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	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	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	110,000	2.8 U	2.7 B	58.0 B	0.5 U	28,500	2.5 B	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	125,000	10.0 U	25.0 U	450.0	3.0 U	33,000	180.0	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	132,000	10.0 U	25.0 U	1100.0	3.0 U	35,000	190.0	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	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	61,000	2.8	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	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	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	105,000			499.0		36,000		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	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	57.6		2,670 B	9.8 B		146,000		12.5 B
18_MCAS05A		9-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	93,000	10.0 U	25.0 U	1200.0	3.0 U	41,000	76.0	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	96,000	10.0 U	25.0 U	4170.0	3.0 U	41,000	110.0	40.0 U	3,350 J	5.0 U	10.0 U	144,000	50.0 U	20.0 U

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
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	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	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	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	94,000	4.4 B	0.7 U	18.3 B	0.4 U	23,000	1.4 B	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	96,000	10.0 U	25.0 U	490.0	3.0 U	25,000	63.0	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	95,000	10.0 U	25.0 U	1300.0	3.0 U	25,000	86.0	40.0 U	3,020 J	5.0 U	10.0 U	123,000	50.0 U	20.0 U
18MCAS07-1	100	20-Jan-89	NA	18.0		6.2	92.0	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	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	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	374,000	2.8 U	1.1 U	13.0 B	0.5 UW	91,400	2.2 B	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	334,000	10.0 U	25.0 U	100.0 U	3.0 U	83,000	15.0 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	369,000	10.0 U	25.0 U	100.0 U	3.0 U	94,000	38.0	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	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	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	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	97,800	4.0 B	1.9 B	7.2 U	0.5 U	21,700	1.3 B	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	116,000	10.0 U	25.0 U	100.0 U	3.0 U	27,000	59.0	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	130,000	10.0 U	25.0 U	270.0	3.0 U	30,000	36.0	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	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	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	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	88,800	2.8 U	1.2 B	7.2 U	0.5 U	21,200	115.0	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	108,000	10.0 U	25.0 U	100.0 U	3.0 U	27,000	100.0	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	112,000	10.0 U	25.0 U	100.0 U	3.0 U	28,000	110.0	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	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	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	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	88,300	2.8 U	1.1 U	23.0 B	0.5 U	19,200	230.0	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	98,000	10.0 U	25.0 U	100.0 U	3.0 U	24,000	170.0	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	97,000	10.0 U	25.0 U	100.0 U	3.0 U	24,000	160.0	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	123,000	1.0 U	27.0	564.0	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	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	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	352,000	2.8 U	1.1 U	1220.0	0.5 UW	85,200	635.0	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	281,000	10.0 U	25.0 U	125.0	3.0 U	76,000	340.0	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	273,000	10.0 U	25.0 U	136.0	3.0 U	72,000	328.0	96.0	4,850 J	5.0 U	10.0 U	243,000	50 U	110.0

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
18MCAS07-6	810	19-Jan-89	NA	69.0		10.0	117.0	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	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	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	233,000	2.8 U	1.1 U	1650.0	0.5 U	58,600	402.0	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	279,000	10.0 U	25.0 U	100.0 U	3.0 U	78,000	355.0	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	280,000	10.0 U	25.0 U	100.0 U	3.0 U	79,000	355.0	40.0 U	6,210	5.0 U	10.0 U	266,000	50 U	160.0
18MCAS07-7	920	19-Jan-89	NA	87.0		12.0	66.0	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	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	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	1.6 BW	45.7 B	337,000	2.8 U	1.1 U	676.0	0.5 U	86,000	494.0	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	208,000	10.0 U	25.0 U	100.0 U	3.0 U	59,000	230.0	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	301,000	10.0 U	25.0 U	100.0 U	3.0 U	85,000	388.0	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	141,000	1.0 U	22.0	2180.0	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	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	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	124,000	48.9	1.3 U	204.0	0.5 U	27,700	651.0	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	308,000	10.0 U	25.0 U	710.0	3.0 U	81,000	1300.0	870.0	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	318,000	10.0 U	25.0 U	610.0	3.0 U	83,000	1340.0	890.0	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	196,000	5.4	13.0	3280.0	1.0 U	44,000	883.0		12,000	5.0 U	3.9	401,000		50.0 U
		2-Aug-90	NA					158,000					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	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	398,000	1.0 U	18.0	9800.0	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	126,000	29.1	1.3 U	517.0	0.5 U	28,300	651.0	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	245,000	10.0 U	25.0 U	270.0	6.0	53,000	1070.0	330.0	7,140	5.0 U	10.0 U	372,000	50 U	230.0
		25-Jan-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	249,000	10.0 U	25.0 U	300.0	5.0	54,000	1100.0	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	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	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	28,000	1.0 U	9.8	62.0	1.0 U	4,400	50.0		2,400	5.0 U	1.8	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	27,300	2.8 U	1.1 U	558.0	0.5 U	5,750	57.1	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	32,000	10.0 U	25.0 U	870.0	4.0	6,520	75.0	40.0 U	3,120 J	103.0	10.0 U	324,000	50 U	20.0 U
		1-Feb-96	UF	200.0 U	60.0 U	10.0 U	267.0	33,000	10.0 U	25.0 U	1100.0	3.0 U	6,290	70.0	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	53,000	4.0	3.5	113.0	1.0 U	7,600	236.0		100 U	5.0 U	0.4	78,000		52.0
		12-Feb-90	NA	1.0 U		5.0 U	46.0	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	62,000	2.0	1.0 U	1400.0	1.0 U	14,000	84.0		2,500	5.0 U	1.0 U	80,000		50.0 U
		18-Mar-91	NA	21.0		5.0 U	31.0	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	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
		6-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	66,900	2.2 U	1.3 U	198.0	0.5 U	16,700	27.5	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
		16-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	71,000	10.0 U	25.0 U	820.0	3.0 U	18,000	56.0	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	72,000	10.0 U	25.0 U	850.0	3.0 U	19,000	57.0	40.0 U	2,870 J	5.0 U	10.0 U	90,000	50 U	20.0 U

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
18_MCAS10	375	31-Jan-90	NA	4.0 U		5.2	22.0	78,000	16.0	0.1 U	962.0	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	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	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	97,000	2.6	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	95,100	2.2 U	1.3 U	72.8 B	0.5 U	40,300	19.0	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	89,000	10.0 U	25.0 U	350.0	3.0 U	39,000	65.0	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	87,000	10.0 U	25.0 U	280.0	3.0 U	39,000	61.0	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	18.8 B	30.4 B	2.7 BN	31.7 BE	242,000		0.7 U	8.2 U	0.4 U	86,400	1.3 B	7.1 U	3,000 B	76.0 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	307,000	10.0 U	25.0 U	100.0 U	3.0 U	80,000	15.0 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	310,000	17.0	25.0 U	390.0	3.0 U	80,000	37.0	40.0 U	2,310 J	34.0	10.0 U	103,000	50 U	20.0 U
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	337,000	3.7 U	0.9 U	2.3 U	0.6 UWN	134,000	1.1 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	293,000	2.9 U	0.7 U	8.2 U	0.4 U	113,000	0.6 B	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	200,000	10.0 U	25.0 U	100.0 U	3.0 U	84,000	15.0 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	218,000	10.0 U	25.0 U	100.0 U	3.0 U	86,000	15.0 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	103,000	3.7 U	7.7 B	38.5 B	1.5 B	27,900	2.4 B	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	99,300	2.9 U	4.9 B	8.2 U	1.0 B	26,500	0.9 B	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	110,000	10.0 U	25.0 U	100.0 U	4.0	30,000	15.0 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	109,000	10.0 U	25.0 U	100.0 U	5.0	31,000	15.0 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	1.0 U		150,000		33.0
		11-Dec-92	F	31.0 U	12.1 U	0.7 U	82.0 B	135,000	3.7 U	19.8 B	18.7 B	1.9 B	34,000	0.8 U	7.7 U	2,510 B	2.6 BW	2.1 U	138,000	20.8 B	21.7
		7-Jun-93	F	18.8 B	14.4 B	1.3 BWN	103.0 B	146,000	2.9 U	5.6 B	8.2 U	0.4 U	37,400	0.9 B	7.1 U	2,320 B	4.6 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	158,000	10.0 U	25.0 U	100.0 U	5.0	41,000	15.0 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	160,000	10.0 U	25.0 U	100.0 U	6.0	41,000	15.0 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	18.0 B	0.7 UW	41.2 B	218,000	3.7 U	0.9 U	19.1 B	0.6 U	54,700	0.8 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	221,000	2.9 U	0.7 U	8.2 U	0.4 U	55,400	1.2 B	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	218,000	10.0 U	25.0 U	100.0 U	3.0 U	55,000	15.0 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	227,000	10.0 U	25.0 U	100.0 U	3.0 U	57,000	15.0 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	120.0		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	250,000	3.7 U	0.9 U	2.3 U	0.6 U	67,000	1.0 B	7.7 U	2,790 B	136.0	2.1 U	137,000	19.3 B	2.2 U
		15-Dec-92	F	31.0 U	19.9 B	0.7 U	31.8 B	251,000	3.7 U	0.9 U	7.6 B	0.6 U	67,000	1.3 B	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	206,000	10.0 U	25.0 U	100.0 U	4.0	56,000	15.0 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	205,000	13.0	25.0 U	350.0	7.0	56,000	15.0 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	1.0 U		100,000		17.0
		16-Dec-92	F	31.0 U	13.0 B	3.9 B	62.6 B	74,800	3.7 U	0.9 U	2.3 U	0.6 U	19,700	0.8 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	12.8 B	4.1 BN	66.9 BE	65,900	2.9 U	1.1 B	8.2 U	0.4 U	17,900	0.7 B	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	87,000	10.0 U	25.0 U	100.0 U	3.0 U	23,000	15.0 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	89,000	10.0 U	25.0 U	100.0 U	3.0 U	23,000	15.0 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	126,000	3.7 U	0.9 U	2.9 B	0.6 U	33,500	0.8 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	123,000	2.9 U	2.6 B	16.5 B	0.4 U	35,300	0.8 B	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	121,000	10.0 U	25.0 U	100.0 U	3.0 U	33,000	15.0 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	122,000	10.0 U	25.0 U	100.0 U	3.0 U	33,000	15.0 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	89,800	3.3 B	2.3 U	55.3 B	1.4 U	22,400	30.7	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	88,900	2.9 U	2.3 U	80.2 B	1.4 U	22,300	29.3	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	89,700	2.9 U	1.4 B	32.8 B	0.4 U	20,300	17.3	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	92,000	10.0 U	25.0 U	260.0	5.0	22,000	63.0	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	92,000	10.0 U	25.0 U	6780.0	5.0	22,000	74.0	40.0 U	3,010 J	5.0 U	10.0 U	169,000	50 U	20.0 U

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
18_RW2	310	11-Sep-89	NA					85,000		50.0 U	5500.0		16,000	80.0		2,700			132,000		80.0
		22-Dec-92	F	39.4 U	16.7 B	3.0 B	40.3 B	82,000	3.0 B	2.3 U	93.5 B	1.4 U	16,100	17.0	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	87,300	2.9 U	0.8 B	8.2 U	0.4 U	16,300	2.2 B	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	91,000	10.0 U	25.0 U	270.0	3.0 U	16,000	29.0	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	92,000	10.0 U	25.0 U	500.0	3.0 U	16,000	33.0	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	244,000	2.9 U	0.7 U	30.0 B	0.4 U	52,000	6.7 B	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	76,000	10.0 U	25.0 U	1100.0	4.0	19,000	91.0	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	75,000	10.0 U	25.0 U	3330.0	4.0	18,000	110.0	40.0 U	2,550 J	5.0 U	10.0 U	170,000	50 U	20.0 U
18_RW4	85	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	58,600	2.9 U	0.7 U	221.0	0.4 U	16,100	35.0	7.1 U	2,840 B	3.5 UN	1.2 U	168,000	8.0 B	4.1 B
		26-Jan-96	F	200.0 U	60.0 U	10.0 U	200.0 U	229,000	10.0 U	25.0 U	100.0 U	5.0	50,000	15.0 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	231,000	10.0 U	25.0 U	1800.0	5.0	49,000	34.0	40.0 U	1,750 J	7.0	10.0 U	211,000	50 U	20.0 U
19_DBMW54	181	18-Dec-92	F	67.4 B	13.2 B	1.0 B	26.5 B	102,000	3.7 U	1.2 B	4.5 B	0.6 U	31,300	8.7 B	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	104,000	5.0 B	3.0 B	35.1 B	0.4 U	33,100	11.8 B	263.0	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	114,000	10.0 U	25.0 U	100.0 U	6.0	35,000	15.0 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	115,000	281.0	25.0 U	2730.0	10.0	35,000	49.0	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	113,000	5.2 B	2.1 B	71.5 B	0.6 U	35,500	73.7	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	114,000	4.2 B	0.9 U	75.6 B	0.6 U	35,500	77.4	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	130,000	6.5 B	1.2 B	142.0	0.4 U	41,200	53.9	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	134,000	10.0 U	25.0 U	100.0 U	5.0	45,000	19.0	660.0	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	137,000	227.0	25.0 U	2150.0	7.0	46,000	35.0	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	112,000	5.0 B	0.9 U	6.8 B	0.6 U	38,100	152.0	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	144,000	2.9 U	0.7 B	20.5 B	0.4 U	44,800	36.0	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	158,000	10.0 U	25.0 U	300.0	3.0 U	52,000	52.0	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	156,000	130.0	25.0 U	4140.0	3.0 U	51,000	90.0	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	141,000	11.0	25.0 U	210.0	3.0 U	49,000	20.0	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	145,000	85.0	25.0 U	2540.0	3.0 U	49,000	170.0	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	94,900	4.0 B	1.2 B	73.0 B	0.6 U	28,800	65.0	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	102,000	4.1 B	1.1 U	99.8 B	0.4 U	30,500	32.7	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	109,000	10.0 U	25.0 U	100.0 U	3.0 U	34,000	19.0	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	114,000	160.0 U	25.0 U	1100.0	3.0 U	35,000	33.0	340.0	2,490 J	6.0	10.0 U	60,000	50 U	20.0 U
		8-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	111,000	160.0	25.0 U	100.0 U	3.0 U	35,000	20.0	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	113,000	212.0	25.0 U	1200.0	3.0 U	35,000	37.0	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	275,000	3.7 U	0.9 U	2.3 U	0.6 U	128,000	65.0	28.2 B	5,910	85.8 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	248,000	2.9 U	4.1 B	146.0	0.4 U	116,000	20.3	41.2	7,570	59.6	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	179,000	38.0	25.0 U	280.0	3.0 U	89,000	31.0	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	174,000	372.0	25.0	3190.0	5.0	86,000	55.0	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	174,000	3.7 U	1.3 B	1.3 B	0.6 U	81,600	21.9	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	194,000	2.9 U	1.4 B	10.7 B	0.4 U	90,200	6.4 B	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	298,000	10.0 U	25.0 U	184.0	3.0	151,000	53.0	510.0	4,740 J	106.0	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	321,000	1880.0 U	97.0	14900.0	3.0 U	163,000	170.0	690.0	5,750	96.0	10.0 U	162,000	50 U	37.0
		1-Feb-96	F	200.0 U	60.0 U	10.0 U	200.0 U	301,000	10.0 U	25.0 U	137.0	3.0 U	158,000	54.0	560.0	5,950	107.0	10.0 U	161,000	50 U	20.0 U
		1-Feb-96	UF	200.0 U	60.0 U	10.0 U	200.0 U	293,000	1800.0	94.0	14700.0	4.0	153,000	160.0	860.0	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	208,000	3.7 U	0.9 U	52.4 B	0.6 U	98,200	64.2	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	240,000	2.9 U	0.7 U	13.5 B	0.4 U	113,000	31.5	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	254,000	10.0 U	25.0 U	100.0 U	3.0 U	127,000	17.0	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	259,000	30.0	25.0 U	620.0	3.0	131,000	46.0	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	161,000	3.7 U	0.9 U	5.1 B	0.6 U	45,300	7.2 B	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	161,000	3.7 U	0.9 U	5.8 B	0.6 U	45,100	7.6 B	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	161,000	2.9 U	1.2 B	49.6 B	0.4 U	46,400	8.0 B	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	156,000	10.0 U	25.0 U	100.0 U	3.0	48,000	15.0 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	162,000	20.0	25.0 U	176.0	4.0	51,000	15.0 U	71.0	3,250 J	5.0 U	10.0 U	99,000	50 U	20.0 U

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 / Type		Aluminum	Antimony	Arsenic	Barium	Calcium	Chromium	Copper	Iron	Lead	Magnesium	Manganese	Nickel	Potassium	Selenium	Silver	Sodium	Vanadium	Zinc
				50.0	6.0	50.0	1000.0		50.0	1000.0	300.0	15.0		50.0	100.0		50.0	50.0			5000.0
21_DGMW90	135	20-Nov-92	F	31.0 U	17.6 B	0.7 U	32.9 BE	161,000	3.7 U	0.9 U	51.9 B	0.6 U	46,700	90.4	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	153,000	3.6 B	0.7 U	35.9 B	0.4 U	44,800	23.5	184.0	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	134,000	10.0 U	25.0 U	100.0 U	3.0 U	40,000	18.0	280.0	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	138,000	55.0	25.0 U	2100.0	3.0 U	40,000	54.0	300.0	1,800 J	99.0	10.0 U	66,000	50 U	20.0 U
21_UGMW37	130	13-Nov-92	F	48.1 B	12.1 U	0.7 U	25.3 B	144,000	3.7 U	0.9 U	8.5 B	0.6 U	39,400	13.7 B	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	153,000	2.9 U	0.8 B	23.0 B	0.4 U	39,600	5.5 B	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	169,000	10.0 U	25.0 U	100.0 U	3.0 U	49,000	15.0 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	165,000	22.0	25.0 U	250.0	3.0 U	48,000	15.0 U	460.0	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	16.6 B	1.7 B	32.2 B	187,000	3.7 U	0.9 U	2.3 U	0.6 U	50,500	5.4 B	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	176,000	2.9 U	0.8 B	8.8 B	0.4 U	49,200	2.9 B	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	191,000	10.0 U	25.0 U	100.0 U	3.0 U	59,000	15.0 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	165,000	12.0	25.0 U	114.0	3.0 U	48,000	15.0 U	40.0 U	3,000 J	11.0	10.0 U	78,000	50 U	20.0 U
24_NEW01	245	30-Oct-95	F	120000	6.4 B	26.7	659.0	182,000	166.0	85.2	132000 J	18.5	84,500	1430.0 J	164.0	34,900	20.8	0.8 U	98,500 J	390.0	553.0
		2-Nov-95	F	20.0 U	2.2 U	2.3 B	30.1 B	105,000	3.7 B	5.8 B	26.6 B	1.5 U	30,000	41.5	2.4 B	3,330 B	18.7	0.8 U	95,100	16.9 B	5.1 U
		2-Dec-96	F	14.2 B	60.0 U	2.1 B	42.5 B	120,000	4.3 B	25.0 U	37.0 B	1.6 B	32,100	20.1	253.0	3,140 B	11.7	10.0 U	88,600	16.6 B	6.4 B
24_NEW04	148	26-Oct-95	F	11.8 B	8.1 B	2.1 U	37.5 B	129,000	5.1 B	5.5 B	51.0 J	1.5 U	35,700	23.7 J	88.4	3,060 B	10.7	0.8 U	93,200 J	11.4 B	3.8 B
		2-Dec-96	F	25.3 B	60.0 U	10.0 U	49.7 B	130,000	7.5 B	25.0 U	63.8 B	1.7 B	35,100	14.3 B	65.1	2,920 B	6.2	10.0 U	87,300	13.6 B	20.0 U
24_NEW05	250	21-Nov-95	F	44.2 B	2.2 U	2.1 U	25.5 B	97,800	3.5 B	5.0 B	28.6 J	1.5 U	28,400	21.2	4.2 B	3,160 B	15.2	0.8 U	91,500 J	17.1 B	6.6 B
		2-Dec-96	F	21.7 B	60.0 U	2.7 B	36.1 B	96,000	3.4 B	25.0 U	100.0 U	1.1 B	26,400	8.3 B	114.0	3,310 B	6.5	10.0 U	80,400	17.8 B	3.7 B
24_NEW06	185	25-Oct-95	F	9.9 U	2.2 U	2.1 U	54.5 B	84,200	17.6	2.7 B	21.9 J	1.5 U	24,500	38.3 J	18.1 B	3,240 B	5.3	0.8 U	84,700 J	23.7 B	14.3 B
		2-Dec-96	F	34.5 B	60.0 U	2.4 B	55.7 B	85,600	14.1	25.0 U	100.0 U	1.7 B	25,000	6.8 B	81.6	3,070 B	5.0 U	10.0 U	82,500	21.2 B	6.8 B
24_NEW07	158	31-Oct-95	F	20.7 U	2.2 U	2.5 B	19.4 B	204,000	4.5 B	5.7 B	250.0	1.5 U	58,900	112.0	173.0	3,010 B	47.9	0.8 U	116,000	10.1 B	5.0 U
		2-Dec-96	F	13.1 B	60.0 U	10.0 U	26.4 B	221,000	9.3 B	25.0 U	382.0	1.9 B	63,400	70.6	290.0	2,820 B	40.6	10.0 U	130,000	10.3 B	5.5 B
24_NEW08	162	1-Nov-95	F	21.5 U	2.2 U	2.9 B	20.5 B	174,000	5.4 B	3.8 B	114.0	1.5 U	54,100	72.3	241.0	3,810 B	48.0	0.8 U	147,000	11.8 B	5.9 U
		2-Dec-96	F	17.6 B	60.0 U	10.0 U	25.4 B	158,000	5.2 B	25.0 U	62.4 B	1.7 B	45,900	9.5 B	170.0	2,700 B	33.7	10.0 U	130,000	10.9 B	4.8 B

EXPLANATION

1) This table lists the results in micrograms per liter (ug/L) for Target Analyte List (TAL) metals. Trace metals beryllium, cobalt, mercury, and thallium were not detected in 1996 samples; refer to the laboratory analytical reports for results. Cadmium was reported at the following locations and concentrations (ug/L): 13_DBMW49 (0.7, 0.8), 13_DGMW78 (4.1), 14_DBMW50 (1.3), 14_DGMW79 (1.4), 15_DBMW51 (4.1)
The November - December 1996 sample results listed in this table are as reported in the APCL analytical reports (Appendix E, Groundwater Monitoring Report).
Refer to Appendix G of the Quarterly Monitoring Report for qualifications from data validation.

2) Sample type: F = filtered sample, UF = unfiltered sample, NA = sample type not available

3) Data Qualification Flags: J = The associated value is an estimated quantity.
U = The material was analyzed for, but was not detected above the level of the associated value.
B = Reported value is less than the Contract-Required Detection Limit, but greater than the instrument detection limit (IDL).
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

8.0 GENERAL CHEMISTRY AND OTHER ANALYSES

This section presents the results of general chemistry, treatability parameters, and gross alpha/gross beta analyses performed during the November-December 1996 groundwater sampling round.

8.1 GENERAL CHEMISTRY PARAMETERS

General chemistry analyses and field parameters were collected for all 178 groundwater monitoring wells sampled during the current 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 Round 4 well purging and sampling. The results indicate a pH range for groundwater samples between 4.53 (20 DBMW55) and 9.16 (18 BGMP10A) pH units. For the majority of the monitoring wells sampled, electrical conductivity ranged from 1,000 to 2,200 umhos/cm. The maximum measured electrical conductivity was 4,985 umhos/cm at 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 BGMW19D (85 mg/L), 18 BGMW19E (51.6 mg/L), and 18 BGMP08E (41 mg/L).

8.2 TREATABILITY PARAMETERS

As specified in the Amended Final SAP, samples collected from 54 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. The treatability parameters results for the initial sampling of the Phase II RI monitoring wells installed at Sites 2, 5, and 17 are also listed in Table 8-2.

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 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 at the five wells at Site 1 (Explosive Ordnance Disposal Range) and analyzed for gross alpha (Method SM7110C) and gross beta ((EPA Method 900.0). A total of 35 groundwater samples were analyzed (32 wells and 3 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 and Phase II RI in 1995-1996. The highest gross alpha result reported for the groundwater sampled during Round 4 was 32.16 picoCuries per liter (pCi/L) at Well 02 DGMW60. 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 04 UGMW63 (22.86 pCi/L) and 02 NEW2 (28.29 pCi/L) are higher than previous sampling results for these wells.

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			
01_DGMW57	83	10-Dec-92	808	91.6	250.0	1.7	235	235	
		14-Jun-93	802	79.5	139.0	1.5	237	237	
		7-Feb-96	494	58.0	81.0	3.1	244	298	2 U
		8-Apr-96		59.5	94.2				
		20-Nov-96	508	61.7	80.7	2.3	250	250	2 U
01_DGMW58	77	14-Dec-92	429	61.2	21.1	5.8	234	234	
		14-Jun-93	462	24.5	58.2		251	251	
		14-Jun-93	468	24.8	58.5	7.7	252	252	
		28-Feb-96	404	21.0	23.0	11.0	227	277	2 U
		5-Apr-96		23.5	21.7				
		18-Nov-96	441	38.5	16.2	9.9	211	211	2 U
01_MW101	148	2-Apr-96		168.0	24.9				
		20-Nov-96	406	83.8	85.0	1.2	138	138	2 U
01_MW102	135	2-Apr-96		324.0	45.7				
		20-Nov-96	581	166.0	42.0	1.8	246	246	2 U
01_MW201	57	8-Apr-96		202.0	70.4				
		18-Nov-96	522	36.4	53.8	20.4	179	179	2 U
02_DGMW59	89	15-Dec-92	839	119.0	215.0	3.5	294	294	
		23-Jun-93	970	128.0	167.0	3.3	464	464	
		30-Nov-95		118.0	352.0	9.3	228	228	4 U
		16-Aug-95		38.8	197.0	14.5			4
		6-Feb-96	1,130	110.0	394.0	5.4	221	269	2 U
		6-Feb-96	1,090	107.0	401.0	7.7	221	269	2 U
		4-Nov-96	1,130	141.0	372.0	11.0	231	231	2 U
02_DGMW60	100	18-Nov-92	834	91.7	163.0	3.5	430	430	
		23-Jun-93	751	86.9	183.0	9.7	297	297	
		15-Aug-95		126.0	218.0	20.8	460	460	1 U
		28-Nov-95		114.0	201.0	21.8	476	476	4 U
		6-Feb-96	1,090	125.0	303.0	20.0	343	419	2 U
		6-Feb-96	1,110	125.0	301.0	23.0	339	413	2 U
		4-Nov-96	1,050	122.0	228.0	21.0	472	472	2 U
02_DGMW61	100	14-Dec-92	579	25.3	188.0	0.1 U	256	256	
		22-Jun-93	578	25.6	194.0	0.4	242	242	
		16-Aug-95		34.1	195.0	4.7	280	280	1 U
		29-Nov-95		43.6	208.0	5.7	292	292	4 U
		8-Feb-96	714	39.0	212.0	6.6	287	351	2 U
		4-Nov-96	763	450.0	231.0	6.7	300	300	2 U
02_NEW1	135	26-Dec-95	428	49.6	107.0	0.0 U	184	184	4 U
		4-Nov-96	455	48.0	115.0	0.1 U	198	198	2 U
02_NEW2	95	21-Dec-95	987	117.0	296.0	11.9	244	244	4 U
		26-Nov-96	806	85.5	225.0	9.4	257	257	2 U
02_NEW3	225	28-Dec-95	922	102.0	244.0	10.3	350	350	4 U
		7-Nov-96	1,010	116.0	285.0	11.0	298	298	2 U
02_NEW6	225	27-Dec-95	884	98.6	236.0	8.2	306	306	4 U
		7-Nov-96	951	109.0	258.0	16.0	313	313	2 U
02_NEW7	95	27-Dec-95	842	92.3	228.0	11.1	320	320	4 U
		8-Jan-97	582	60.0	176.0	8.5	275	275	2 U
02_NEW8A	104	27-Dec-95	668	46.1	146.0	9.2	316	316	4 U
		8-Nov-96	695	45.0	137.0	11.0	304	304	2 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 $CaCO_3$)
02_NEW11	65	21-Dec-95	1,000	132.0	347.0	12.9	218	218	4 U
		12-Nov-96	747	84.0	205.0	5.8	233	233	2 U
02_NEW12	249	28-Dec-95	902	116.0	211.0	7.5	304	304	4 U
		7-Nov-96	740	115.0	147.0	6.8	242	242	2 U
02_UGMW25	75	9-Dec-92	598	66.0	167.0	6.3	180	180	
		22-Jun-93	538	39.7	164.0	1.5	140	140	
		17-Aug-95		107.0	489.0	5.2	236	236	
		17-Aug-95		108.0	501.0	5.2	240	240	
		28-Nov-95		182.0	502.0	16.7	240	240	
		7-Feb-96	1,580	262.0	508.0	38.0		296	2 U
		12-Nov-96	1,700	276.0	559.0	35.0	237	237	2 U
03_DBMW39	270	9-Oct-92	731	146.0	36.4	5.7	335	335	
		21-Jun-93	737	137.0	35.3	6.3	340	340	
		21-Jun-93	768	138.0		6.3	349	349	2 U
		30-Jan-96	764	125.0	51.0	6.9	416	507	2 U
		12-Nov-96	801	143.0	51.0	6.5	403	403	2 U
03_DGMW64	285	15-Jan-93	847	152.0	153.0	10.6	286	286	
		2-Jun-93	854	144.0	148.0	9.0	284	284	
		26-Feb-96	847	139.0	156.0	7.0	292	356	2 U
		12-Nov-96	836	138.0	174.0	5.2	302	302	2 U
		12-Nov-96	846	131.0	168.0	4.9	300	300	2 U
03_DGMW65X	270	18-Jan-93	750	145.0	91.6	8.0	288	288	
		7-Jul-93	731	148.0	91.0	4.7	297	297	
		26-Feb-96	794	138.0	85.0	9.5	333	407	2 U
		11-Nov-96	792	146.0	85.0	13.0	323	323	2 U
03_UGMW26	270	1-Oct-92	762	104.0	110.0	15.3	271	271	
		23-Jun-93	761	112.0	126.0	16.2	267	267	
		27-Feb-96	760	103.0	117.0	22.0	268	327	2 U
		14-Nov-96	747	99.0	112.0	22.0	270	270	2 U
		14-Nov-96	752	99.0	115.0	19.0	274	274	2 U
04_DBMW40	260	3-Dec-92	940	149.0	123.0	12.8	438	438	
		24-Jun-93	1,000	153.0	146.0	10.3	384	384	
		26-Feb-96	928	149.0	171.0	9.7	279	340	2 U
		12-Nov-96	984	138.0	78.0	2.3	517	517	2 U
04_DGMW66	290	20-Nov-92	730	128.0	112.0	6.5	260	260	
		24-Jun-93	770	124.0	109.0	9.2	256	256	
		26-Feb-96	760	121.0	103.0	13.0	251	306	2 U
		12-Nov-96	784	132.0	112.0	9.9	250	250	2 U
04_UGMW63	275	24-Nov-92	993	160.0	123.0	11.8	386	386	
		25-Jun-93	1,080	201.0	108.0	12.4	360	360	
		30-Jan-96	898	193.0	92.0	3.7	315	385	2 U
		14-Nov-96	835	178.0	109.0	7.6	356	356	2 U
		14-Nov-96	887	162.0	100.0	7.4	358	358	2 U
05_DBMW41	222	16-Nov-92	758	85.2	193.0	8.6	228	228	
		16-Nov-92	790	86.2	194.0	8.9	233	233	
		20-Oct-93	877	93.2	242.0	10.8	263	263	
		5-Dec-95	992	102.0	227.0	14.1	320	320	4 U
		5-Dec-95	984	106.0	231.0	13.5	324	324	4 U
		7-Feb-96	937	99.0	211.0	17.0	330	403	2 U
		13-Nov-96	934	100.0	213.0	13.0	332	332	2 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			
05_DGMW67	227	30-Nov-92	925	96.8	284.0	6.8	296	296	
		30-Nov-92	934	97.3		6.9			
		3-Jun-93	985	96.0	275.0	8.1	289	289	
		6-Dec-95	991	109.0	278.0	9.4	328	328	40
		9-Feb-96	1,020	114.0	267.0	11.0	326	398	2 U
		13-Nov-96	1,020	111.0	268.0	10.0	317	317	2 U
05_DGMW68	210	17-Dec-92	905	101.0	270.0	8.1	250	250	
		25-Jun-93	961	102.0	262.0	8.4	254	254	
		9-Jan-96	990	123.0	293.0	9.8	308	308	4 U
		27-Feb-96	989	112.0	258.0	13.0	307	374	2 U
		15-Nov-96	961	111.0	261.0	10.2	311	311	2 U
05_NEW1	203	28-Dec-95	789.0	99.1	200.0	11.1	248	248	4 U
		13-Nov-96	878.0	99.0	219.0	12.0	252	252	2 U
05_UGMW27	238	3-Dec-92	844	84.5	253.0	8.1	266	266	
		17-Aug-95	963	109.0	303.0	8.0	304	304	1 U
		8-Dec-95	931	99.8	266.0	8.0	292	292	4 U
		3-Jun-93	876	85.9	250.0	9.2	269	269	
		29-Jan-96	927	96.0	253.0	8.9	292	356	2 U
		13-Nov-96	966	98.0	262.0	8.3	289	289	2 U
06_DGMW69	190	2-Dec-92	1,080	286.0	209.0	16.3	110	110	
		7-Jul-93	1,330	283.0	197.0	15.1	113	113	
		2-Feb-96	1,030	248.0	210.0	17.0	142	173	2 U
06_UGMW28	180	13-Nov-92	1,890	541.0	332.0	18.8	136	136	
		9-Jul-93	2,180	494.0	277.0	20.4	134	134	
		16-Feb-96	1,700	393.0	345.0	18.0	182	222	2 U
		4-Dec-96	2,010	586.0	531.0	20.9	181	181	2 U
		4-Dec-96	1,990	639.0	574.0	20.6	181	181	2 U
07_DBMW43	190	1-Dec-92	880	185.0	144.0	14.8	126	126	
		25-Jun-93	1,220	272.0	191.0	14.6	100	100	
		19-Feb-96	656	141.0	105.0	14.0	127	154	2 U
		21-Nov-96	989	327.0	208.0	15.6	91	91	2 U
07_DBMW70	165	8-Dec-92	1,210	267.0	319.0	17.1	126	126	
		25-Jun-93	963	172.0	206.0	18.5	166	166	
		13-Feb-96	1,070	235.0	219.0	22.0	157	191	2 U
		21-Nov-96	930	249.0	241.0	19.4	160	160	2 U
		21-Nov-96	948	252.0	243.0	23.3	153	153	2 U
07_DBMW100	171	8-Dec-92				9.3			
		4-Jun-93	882	200.0	116.0	10.4	136	136	
		31-Jan-96	776	187.0	118.0	9.9	120	147	2 U
		14-Nov-96	899	250.0	107.0	10.4	142	142	2 U
07_DGMW71	155	15-Dec-92	937	217.0	174.0	15.4	182	182	
		22-Jun-93	945	204.0	155.0	13.1	196	196	
		13-Feb-96	1,010	245.0	118.0	14.0	204	249	2 U
		21-Nov-96	831	249.0	124.0	12.2	196	196	2 U
07_DGMW72	150	19-Nov-92	1,120	241.0	112.0	14.8	209	209	
		21-Jul-93	1,860	220.0	789.0	17.2	216	216	
		15-Oct-93	1,002	250.0	90.3	14.8	199	199	
		13-Feb-96	935	237.0	71.0	17.0	182	222	2 U
		21-Nov-96	857	274.0	88.3	14.9	181	181	2 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			
07_DGMW91	150	18-Dec-92	913	192.0	168.0	17.7	200	200	
		21-Jul-93	950	185.0	138.0	15.4	215	215	
		8-Feb-96	941	212.0	129.0	16.0	227	277	2 U
		21-Nov-96	934	211.0	135.0	13.8	231	231	2 U
08_DGMW73	130	2-Dec-92	942	162.0	69.5	15.4	447	447	
		20-Jul-93	954	169.0	84.6	14.0	420	420	
		20-Jul-93	961	170.0	85.7	14.1	424	424	
		14-Feb-96	1,050	264.0	92.0	13.0	414	505	2 U
		2-Dec-96	1,050	259.0	66.0	9.6	405	405	2 U
		2-Dec-96	1,040	253.0	70.0	9.5	403	403	2 U
08_DGMW74	130	16-Nov-92	804	189.0	79.6	12.6	266	266	
		20-Jul-93	895	210.0	85.2	13.4	276	276	
		14-Feb-96	816	191.0	65.0	15.0	263	320	2 U
		13-Nov-96	828	224.0	58.0	16.0	261	261	2 U
08_UGMW29	135	8-Dec-92	847	245.0	99.5	11.7	132	132	
		9-Jul-93	959	228.0	67.3	11.5	149	149	
		9-Jul-93	963	232.0	68.2	11.7			
		14-Feb-96	988	257.0	60.0	19.0	165	201	2 U
		25-Nov-96	830	241.0	77.2	13.8	147	147	2 U
09_DBMW45	157	10-Dec-92	1,050	197.0	228.0	18.7	188	188	
		10-Dec-92	1,090	202.0	231.0	19.1	189	189	
		13-Jul-93	1,040	208.0	212.0	17.0	186	186	
		20-Nov-95							
		15-Feb-96	1,110	224.0	205.0	19.0	182	222	2 U
		18-Nov-96	1,110	243.0	213.0	16.9	188	188	2 U
09_DGMW75	154	1-Dec-92	1,370	273.0	423.0	23.6	156	156	
		12-Jul-93	1,470	279.0	412.0	21.4	160	160	
		14-Feb-96	1,340	284.0	369.0	26.0	169	207	2 U
		4-Dec-96	1,310	295.0	481.0	23.7	188	188	2 U
10_DGMW77	170	17-Nov-92	1,030	188.0	217.0	15.8	189	189	
		13-Aug-93	1,100	192.0	211.0	16.2	169	169	
		14-Feb-96	1,220	229.0	202.0	16.0	152	186	2 U
		4-Dec-96	1,040	247.0	323.0	15.9	177	177	2 U
12_DBMW48	135	17-Nov-92	1,800	401.0	549.0	22.9	163	163	
		27-Jul-93	2,246	392.0	497.0	23.8	164	164	
		16-Feb-96	1,660	325.0	405.0	25.0	191	233	2 U
		13-Nov-96	1,630	292.0	369.0	30.0	207	207	2 U
12_UGMW31	145	8-Oct-92	1,100	211.0	263.0	22.5	188	188	
		7-Jul-93	1,160	197.0	246.0	22.2	187	187	
		14-Feb-96	944	181.0	190.0	26.0	195	238	2 U
		13-Nov-96	975	172.0	186.0	22.0	205	205	2 U
13_DBMW49	182	16-Nov-92	2,050	346.0	651.0	11.8	398	398	
		30-Jun-93	2,020	318.0	640.0	15.0	357	357	
		6-Feb-96	1,880	299.0	636.0	25.0	281	343	2 U
		6-Feb-96	2,000	302.0	645.0	27.0	279	340	2 U
		19-Nov-96	1,890	294.0	639.0	19.6	274	274	2 U
		19-Nov-96	1,850	305.0	671.0	19.3	282	282	2 U
13_DGMW78	167	23-Nov-92	2,910	522.0	1,040.0	28.7	273	273	
		16-Jun-93	2,570	394.0	764.0	26.5	336	336	
		1-Feb-96	1,970	302.0	671.0	22.0	375	458	2 U
		19-Nov-96	2,150	323.0	854.0	16.7	392	392	2 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			
13_UGMW32	184	28-Oct-92	1,540	184.0	511.0	9.8	362	362	
		28-Jun-93	1,490	161.0	554.0	10.1	262	262	
		5-Feb-96	1,290	153.0	445.0	13.0	223	272	2 U
14_DBMW50	160	2-Dec-92	1,920	304.0	670.0	22.2	246	246	
		25-Jun-93	2,200	315.0	674.0	17.8	274	274	
		5-Feb-96	1,900	306.0	614.0	27.0	253	309	2 U
		5-Feb-96	1,980	310.0	616.0	25.0	257	314	2 U
		19-Nov-96	1,770	308.0	646.0	23.3	235	235	2 U
14_DGMW79	158	20-Nov-92	2,330	313.0	907.0	10.9	328	328	
		16-Jun-93	2,360	308.0	846.0	16.8	305	305	
		5-Feb-96	2,240	324.0	761.0	23.0	255	311	2 U
		19-Nov-96	2,190	340.0	849.0	21.0	270	270	2 U
15_DBMW51	165	4-Dec-92	5,260	1570.0	1,470.0	63.4	252	252	
		13-Aug-93	6,600	1560.0	1,400.0	58.1	323	323	
		8-Oct-93	5,650	1210.0	1,350.0	46.9	412	412	
		6-Feb-96	3,960	895.0	1,160.0	53.0	392	479	2 U
		4-Dec-96	3,050	504.0	1,210.0	15.0	556	556	2 U
16_DBMW52	222	4-Nov-92	1,360	305.0	408.0	22.3	175	175	
		14-Jul-93	1,380	311.0	369.0	22.5	188	188	
		7-Feb-96	1,500	180.0	559.0	28.0	199	243	2 U
		7-Feb-96	1,520	182.0	568.0	29.0	202	246	2 U
		25-Nov-96	1,230	93.0	525.0	21.1	237	237	2 U
16_DGMW81	216	11-Dec-92	2,040	412.0	660.0	25.1	162	162	
		24-Jun-93	2,220	406.0	686.0	21.0	158	158	
		24-Jun-93	2,350	429.0	722.0	21.3			
		8-Feb-96	1,590	261.0	594.0	19.0	184	225	2 U
		8-Jan-97	3,380	267.0	638.0	18.3	187	187	2 U
16_UGMW33	220	17-Dec-92	639	19.5	201.0	5.2	265	265	
		14-Jul-93	677	8.6	192.0	5.8	296	296	
		14-Jul-93	698	8.6	193.0	5.9	298	298	
		7-Feb-96	589	13.0	164.0	8.6	311	379	2 U
		25-Nov-96	613	6.6	158.0	7.8	321	321	2 U
17_DGMW82	255	8-Feb-93	817	101.0	315.0	0.9	155	155	
		3-Jun-93	895	103.0	325.0	1.1	190	190	
		3-Jun-93	912	106.0	331.0		192	192	
		6-Dec-95	785	98.1	187.0	2.0		272	
		9-Feb-96	767	96.0	182.0	1.1	272	332	2 U
		20-Nov-96	760	113.0	172.0	1.4	272	272	2 U
17_NEW1	226	3-Jan-96	526	114.0	46.1	1.1	244	244	
		20-Nov-96	450	90.4	47.4	4.8	192	192	2 U
17_NEW2	123	3-Jan-96	526	114.0	46.1	1.1	244	244	4 U
		20-Nov-96	397	132.0	40.8	0.1 U	179	179	2 U
18_BGMP06A	455	8-Oct-92	687	93.2	174.0	2.8	222	222	
		12-Aug-93	618	69.9	162.0	1.9	215	215	
		7-Feb-96	552	66.0	136.0	1.4	229	280	2 U
		8-Nov-96	657	77.0	157.0	2.0	226	226	2 U
18_BGMP06B	390	7-Oct-92	700	77.4	182.0	0.8	246	246	
		11-Aug-93	732	67.7	177.0	0.9	242	242	
		7-Feb-96	685	68.0	168.0	0.7	262	319	2 U
		8-Nov-96	711	69.0	176.0	0.7	252	252	2 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_BGMP06C	305	7-Oct-92	925	208.0	277.0	4.8	136	136	
		9-Aug-93	682	98.2	187.0	0.4	214	214	
		7-Feb-96	593	85.0	141.0	0.1 U	189	230	2 U
		8-Nov-96	649	83.0	153.0	0.1 U	218	218	2 U
18_BGMP06D	178	6-Oct-92	1,140	228.0	325.0	9.2	180	180	
		6-Aug-93	1,343	277.0	369.0	12.1	210	210	
		7-Feb-96	1,150	278.0	320.0	16.0	229	280	2 U
		8-Nov-96	1,380	317.0	377.0	18.0	226	226	2 U
18_BGMP06E	115	1-Oct-92	1,180	174.0	391.0	11.9	167	167	
		2-Aug-93	1,680	214.0	503.0	19.3	283	283	
		7-Feb-96	1,440	268.0	637.0	29.0	279	340	2 U
		8-Nov-96	1,870	267.0	683.0	28.0	274	274	2 U
18_BGMP08A	449	17-Oct-92	894	208.0	212.0	5.7	148	148	
		11-Jun-93	962	223.0	229.0	2.2	173	173	
		15-Jan-96	986	241.0	229.0	4.5	184	225	2 U
		7-Nov-96	973	239.0	231.0	3.8	190	190	2 U
18_BGMP08B	389	15-Oct-92	776	123.0	179.0	10.6	176	176	
		10-Jun-93	796	133.0	183.0	11.1	185	185	
18_BGMP08C	307	13-Oct-92	822	159.0	166.0	21.9	143	143	
		15-Oct-92	814	159.0	165.0	19.7	145	145	
		14-Jun-93	828	161.0	16.3	22.5	163	163	
		15-Jun-93	844	164.0	162.0	23.1	163	163	
		16-Jan-96	899	181.0	173.0	19.0	165	201	2 U
		7-Nov-96	803	137.0	183.0	11.0	190	190	2 U
18_BGMP08D	136	12-Oct-92	1,810	330.0	374.0	55.5	335	335	
		10-Jun-93	1,920	310.0	379.0	67.1	328	328	
		17-Jan-96	1,470	229.0	412.0	39.0	283	345	2 U
		7-Nov-96	864	169.0	162.0	22.0	170	170	2 U
18_BGMP08E	71	16-Jan-96	822	133.0	180.0	7.7	197	241	2 U
		7-Nov-96	1,450	199.0	398.0	41.0	280	280	2 U
18_BGMP09A	463	23-Oct-92	964	251.0	269.0	0.1 U	144	144	
		22-Jun-93	1,510	475.0	427.0	0.1 <	146	146	
		31-Jan-96	2,200	803.0	633.0	0.1 U	69	79	3
		13-Nov-96	2,530	866.0	717.0	0.1 U	80	80	2 U
18_BGMP09B	385	23-Oct-92	958	212.0	231.0	8.4	154	154	
		21-Jun-93	1,160	278.0	297.0	0.9	186	186	
		31-Jan-96	1,270	325.0	307.0	0.1 U	191	233	2 U
		13-Nov-96	1,250	318.0	322.0	0.2	203	203	2 U
18_BGMP09C	268	22-Oct-92	755	133.0	210.0	0.3	203	203	
		18-Jun-93	714	133.0	198.0	0.1	173	173	
		1-Feb-96	625	113.0	163.0	0.1 U	139	170	2 U
		13-Nov-96	720	132.0	185.0	0.1 U	162	162	2 U
18_BGMP09D	232	21-Oct-92	817	132.0	195.0	8.9	213	213	
		17-Jun-93	830	131.0	186.0	9.7	217	217	
		2-Feb-96	830	143.0	203.0	6.5	195	238	2 U
		13-Nov-96	852	133.0	180.0	10.0	235	235	2 U

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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_BGMP09E	143	20-Oct-92	882	207.0	170.0	9.9	214	214	
		20-Oct-92	894	212.0	175.0	9.9	216	216	
		23-Jun-93	961	208.0	175.0	10.4	211	211	
		24-Jun-93	918	210.0	173.0	10.3	211	211	
		2-Feb-96	1,060	246.0	164.0	10.0	212	259	2 U
		13-Nov-96	969	253.0	170.0	8.7	216	216	2 U
18_BGMP09F	69	19-Oct-92	1,490	190.0	384.0	60.2	268	268	
		16-Jun-93	1,320	160.0	354.0	55.1	228	228	
		2-Feb-96	1,370	167.0	326.0	53.0	219	267	2 U
		13-Nov-96	1,300	224.0	346.0	38.6	211	211	2 U
18_BGMP10A	1011	20-Jan-93	1,190	188.0	434.0	0.5	255	255	
		30-Jul-93	819	390.0	244.0	0.1 <	205	205	
		19-Jan-96	552	99.0	58.0	0.1 U	221	217	26
		19-Nov-96	600	92.2	59.0	0.1 U	218	218	2 U
18_BGMP10B	896	25-Jan-93	1,010	169.0	424.0	0.4	272	272	
		25-Jan-93	1,160	187.0	454.0	0.5	276	276	
		30-Jul-93	998	135.0	289.0	0.1 <	254	254	
		23-Jan-96	495	86.0	70.0	0.1 U	229	280	2 U
			553	85.0	73.7	0.1 U	242	242	2 U
18_BGMP10C	762	23-Jan-93	1,150	158.0	390.0	0.9	266	266	
		1-Jul-93	540	47.6	144.0	0.1 <	208	208	
		23-Jan-96	367	23.0	81.0	0.1 U	182	186	18
		19-Nov-96	363	21.2	79.3	0.1 U	175	175	2 U
18_BGMP10D	573	22-Jan-93	587	66.1	191.0	0.1 U	226	226	
		28-Jun-93	611	60.9	166.0	0.1	229	229	
		23-Jan-96	462	27.0	92.0	0.1 U	223	272	2 U
		19-Nov-96	444	24.5	85.2	0.1 U	198	198	2 U
18_BGMP10E	449	21-Jan-93	1,180	196.0	473.0	0.1 U	267	267	
		29-Jun-93	549	30.1	138.0	0.1	260	260	
		29-Jun-93	555	30.8	141.0	0.1 <			
		24-Jan-96	545	31.0	128.0	0.1 U	262	319	2 U
		19-Nov-96	602	39.0	156.0	0.1 U	265	265	2 U
18_BGMP10F	228	20-Jan-93	1,160	245.0	601.0	0.1	282	282	
		25-Jun-93	1,220	178.0	415.0	0.1 <	256	256	
		24-Jan-96	1,260	144.0	632.0	3.6	272	332	2 U
		19-Nov-96	1,220	191.0	454.0	2.8	287	287	2 U
18_BGMW01A	486	11-Dec-92	1,400	350.0	318.0	0.1 U	92	92	
		1-Jul-93	1,200	361.0	288.0	0.1 <	148	135	
		1-Jul-93	1,240	365.0	289.0		261	148	126
		26-Jan-96	1,190	357.0	226.0	0.1 U	195	238	2 U
		26-Jan-96	1,190	365.0	233.0	0.1 U	193	238	2 U
		8-Nov-96	1,220	379.0	303.0	0.1 U	147	147	U
18_BGMW01B	416	14-Dec-92	702	105.0	192.0	1.6	198	198	
		22-Jun-93	770	103.0	210.0	0.9	216	216	
		26-Jan-96	701	72.0	314.0	1.8	210	256	2 U
		6-Nov-96	675	111.0	187.0	1.4	216	216	2 U
18_BGMW01C	350	16-Dec-92	767	88.2	154.0	18.6	236	236	
		24-Jun-93	786	90.8	152.0	19.1	250	250	
		23-Jan-96	696	95.0	124.0	25.0	238	290	2 U
		5-Nov-96	776	88.0	135.0	22.0	242	242	2 U

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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_BGMW01D	262	9-Dec-92	864	152.0	203.0	8.1	282	282	
		23-Jan-96	944	139.0	182.0	9.9	287	351	2 U
		1-Nov-96	896	141.0	187.0	8.1	293	293	2 U
		27-Nov-96	NA	NA	NA	7.3	NA	NA	NA
18_BGMW01E	225	27-Oct-92	867	176.0	61.1	14.3	396	396	
		27-Oct-92	872	177.0	61.4	17.2	414	414	
		18-Jun-93	916	168.0	57.0	15.4	212	212	
		5-Feb-96	780	129.0	55.0	8.8	440	536	2 U
		1-Nov-96	879	147.0	56.0	10.6	472	472	2 U
18_BGMW02A	482	21-Dec-92	522	76.5	170.0	0.1 U	168	168	
		8-Jun-93	580	74.7	162.0	0.1 <	176	176	
		19-Jan-96	531	78.0	126.0	0.1 U	202	246	2 U
		19-Nov-96	535	76.0	163.0	0.1 U	175	175	2 U
18_BGMW02C	378	22-Dec-92	561	71.0	142.0	1.6	206	206	
		9-Jun-93	560	69.7	135.0	1.9	224	224	
		18-Jan-96	581	73.0	132.0	1.9	225	275	2 U
		5-Nov-96	604	77.0	145.0	2.1	226	226	2 U
18_BGMW02D	314	18-Dec-92	696	107.0	187.0	2.6	172	172	
		15-Jun-93	668	105.0	166.0	3.1	165	165	
		17-Feb-96	670	104.0	164.0	2.2	174	212	2 U
		17-Feb-96	662	112.0	175.0	2.2	176	215	2 U
		6-Nov-96	664	103.0	171.0	2.7	173	173	2 U
18_BGMW02E	233	21-Sep-92	847	131.0	235.0	8.6	182	182	
		15-Jun-93	802	132.0	222.0	10.0	160	160	
		1-Feb-96	911	131.0	222.0	11.0	187	228	2 U
		1-Nov-96	847	134.0	223.0	9.4	177	177	2 U
		27-Nov-96	NA	NA	NA	9.0	NA	NA	NA
18_BGMW03A	390	29-Oct-92	662	120.0	123.0	12.6	174	174	
		14-Jul-93	702	115.0	112.0	11.5	175	175	
		29-Feb-96	657	122.0	122.0	13.6	182	222	2 U
		29-Feb-96	683	106.0	109.0	14.3	182	222	2 U
		7-Nov-96	680	114.0	131.0	16.0	183	183	2 U
18_BGMW03B	300	28-Oct-92	589	109.0	105.0	6.4	174	174	
		28-Nov-92	579	108.0	105.0	6.2	180	180	
		14-Jul-93	616	105.0	98.2	6.2	176	176	
		14-Jul-93	617	106.0	98.3	6.6			
		29-Feb-96	602	94.0	107.0	13.0	178	217	2 U
		7-Nov-96	607	113.0	96.0	7.7	177	177	2 U
18_BGMW03C	242	17-Dec-92	654	126.0	116.0	8.4	162	162	
		15-Jul-93	675	126.0	111.0	8.4	164	164	
		12-Feb-96	656	119.0	99.0	14.0	159	194	2 U
		7-Nov-96	616	127.0	105.0	9.5	164	164	2 U
18_BGMW03E	164	17-Dec-92	928	238.0	146.0	14.1	138	138	
		15-Jul-93	1,200	243.0	128.0	13.1	144	144	
		5-Feb-96	922	250.0	94.0	17.0	142	173	2 U
		21-Nov-96	949	244.0	95.2	12.3	145	145	2 U
18_BGMW04A	306	30-Sep-92	670	110.0	124.0	4.0	198	198	
		16-Jul-93	685	102.0	134.0	2.5	202	202	
		28-Feb-96	679	119.0	123.0	6.1	193	235	2 U
		11-Nov-96	673	118.0	121.0	5.4	198	198	2 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	152	
		13-Jul-93	823	196.0	76.8	13.5	145	145	
		13-Jul-93	870	210.0	82.7	13.6	147	147	
		19-Jan-96	867	232.0	87.0	21.0	148	181	2 U
		19-Jan-96	1,020	234.0	84.0	24.0	148	181	2 U
		14-Nov-96	915	268.0	93.9	17.1	151	151	2 U
18_BGMW05A	482	15-Dec-92	3,160	1580.0	419.0	0.1 U	75	75	
		8-Jul-93	3,360	1050.0	352.0	0.1 <	110	110	
		26-Jan-96	2,230	1080.0	225.0	0.1 U	152	186	2 U
		26-Jan-96	2,230	1080.0	225.0	0.1 U	152	186	2 U
		9-Jan-97	3,440	1660.0	397.0	1.0 U	77	77	2 U
18_BGMW05B	341	11-Nov-92	725	141.0	128.0	9.3	184	184	
		8-Jul-93	709	135.0	122.0	4.7	193	193	
		29-Feb-96	735	114.0	134.0	23.1	174	212	2 U
		7-Nov-96	718	142.0	127.0	12.0	188	188	2 U
18_BGMW05C	245	10-Nov-92	675	125.0	137.0	17.7	175	175	
		10-Nov-92	725	129.0	149.0	18.7	179	179	
		9-Jul-93	729	118.0	141.0	18.7	174	174	
		29-Feb-96	709	133.0	115.0	12.0	182	222	2 U
		7-Nov-96	771	129.0	152.0	12.0	183	183	2 U
18_BGMW05D	133	3-Nov-92	675	125.0	137.0	9.4	142	142	
		12-Jul-93	1,080	126.0	325.0	9.9	253	253	
		19-Feb-96	982	281.0	140.0	7.2	202	246	2 U
		4-Dec-96	928	256.0	279.0	7.5	229	229	2 U
18_BGMW07	65	9-Dec-92	1,070	252.0	226.0	3.0	294	294	
		18-Jun-93	1,100	225.0	217.0	10.5	261	261	
		9-Feb-96	1,450	391.0	209.0	15.0	262	319	2 U
18_BGMW12	205	9-Nov-92	1,900	226.0	920.0	14.9	227	227	
		2-Feb-96	1,770	305.0	665.0	28.0	204	249	2 U
		25-Nov-96	1,680	157.0	722.0	11.5	265	265	2 U
18_BGMW14	115	20-Oct-92	819	163.0	146.0	12.8	220	220	
		19-Oct-93	1,150	259.0	114.0		176	176	
		16-Feb-96	1,320	358.0	130.0	19.0	152	186	2 U
		15-Nov-96	1,260	321.0	148.0	20.1	164	164	2 U
		15-Nov-96	1,710	336.0	163.0	19.8	166	166	2 U
18_BGMW15	215	30-Oct-92	1,490	285.0	835.0		141	141	
		9-Jul-93	2,810	359.0	1,090.0	19.7	156	156	
		2-Feb-96	2,210	288.0	898.0	20.0	195	238	2 U
		8-Nov-96	2,510	207.0	1,290.0	17.0	257	257	2 U
18_BGMW16	263	23-Oct-92	988	97.4	356.0		204	211	
		23-Oct-92	1,010	99.9	368.0		211	249	
		19-Jul-93	944	73.5	289.0	12.3	227	227	
		19-Jan-96	1,030	96.0	327.0	25.0	223	272	2 U
		14-Nov-96	1,240	125.0	460.0	24.0	205	205	2 U
18_BGMW17	255	22-Oct-92	891	125.0	215.0		225	225	
		12-Jul-93	900	124.0	207.0	19.8	223	223	
		29-Jan-96	861	118.0	187.0	24.0	225	275	2 U
		8-Nov-96	892	124.0	210.0	24.0	226	226	2 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_BGMW18	180	10-Nov-92	1,040	127.0	307.0	22.8	286	286	
		16-Jul-93	1,100	107.0	276.0	21.3	303	303	
		5-Feb-96	1,110	107.0	300.0	31.0	294	358	2 U
		9-Jan-97	1,040	115.0	301.0	23.3	320	320	2 U
18_BGMW19A	468	22-Dec-92	799	89.5	246.0	1.7	243	243	
		9-Jun-93	756	89.0	236.0	1.8	240	240	
		1-Mar-96	805	91.1	228.0	1.7	242	296	2 U
		4-Nov-96	859	98.0	247.0	1.7	246	246	2 U
18_BGMW19B	420	17-Dec-92	750	90.9	207.0	5.3	230	230	
		11-Jun-93	866	99.4	212.0	7.5	252	252	
		11-Mar-96	748	87.9	179.0	2.8	244	298	2 U
		4-Nov-96	728	87.0	173.0	4.2	242	242	2 U
18_BGMW19C	277	24-Sep-92	1,150	198.0	329.0	13.5	220	220	
		24-Sep-92		200.0	330.0	13.6			
		28-Jun-93	1,200	205.0	344.0	15.4	220	220	
		29-Feb-96	1,350	227.0	265.0	23.6	221	269	2 U
		5-Nov-96	1,230	232.0	416.0	21.0	218	218	2 U
18_BGMW19D	170	25-Sep-92	2,060	171.0	630.0	66.7	286	286	
		14-Jun-93	1,870	156.0	567.0	69.7	298	298	
		16-Feb-96	2,300	179.0	741.0	64.0	244	298	2 U
		4-Nov-96	2,230	201.0	817.0	65.0	246	246	2 U
18_BGMW19E	138	12-Nov-92	1,940	189.0	683.0	53.6	310	310	
		14-Jun-93	1,890	164.0	607.0	57.7	308	308	
		14-Jun-93	1,900	171.0		63.5	315	315	
		6-Feb-96	1,820	154.0	564.0	64.0	339	413	2 U
		20-Nov-96	1,880	162.0	593.0	51.6	321	321	2 U
18_BGMW22	287	9-Dec-92	842	94.8	245.0	1.8	390	390	
		28-Jun-93	870	97.8	220.0	1.7	326	326	
		22-Jan-96	920	116.0	209.0	2.9	309	377	2 U
		14-Nov-96	843	100.0	217.0	1.6	319	319	2 U
18_BGMW23	104	10-Dec-92	983	171.0	198.0	26.0	152	152	
		22-Jun-93	900	171.0	199.0	22.5	146	146	
		19-Feb-96	835	177.0	154.0	19.0	142	173	2 U
		5-Dec-96	918	204.0	340.0	23.1	149	149	2 U
		5-Dec-96	933	208.0	344.0	22.7	149	149	2 U
18_BGMW24	71	12-Nov-92	731	56.3	251.0	8.6	204	204	
		9-Jul-93	733	50.2	242.0	7.4	206	206	
		7-Feb-96	718	53.0	222.0	12.0	238	290	2 U
		26-Nov-96	808	49.9	253.0	9.7	254	254	2 U
		26-Nov-96	822	55.5	275.0	9.8	254	254	2 U
18_BGMW101	130	13-Nov-92	1,470	215.0	437.0	16.2	314	314	
		19-Jul-93	1,490	217.0	397.0	15.8	304	304	
		29-Jan-96	1,520	326.0	381.0	25.0	259	317	2 U
		14-Nov-96	1,430	312.0	368.0	25.4	259	259	2 U
		14-Nov-96	1,500	307.0	360.0	24.5	259	259	2 U
18_DW135	135	20-Jan-89	1,750	349.0	770.0	119.5		194	
		22-Dec-92	2,100	400.0	727.0	26.6	187	187	
		22-Dec-92	2,120	409.0	739.0	26.7	188	188	
		19-Feb-96	2,350	416.0	1,000.0	27.0	165	201	2 U
		5-Nov-96	2,330	404.0	1,040.0	28.0	170	170	2 U

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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_DW250	250	20-Jan-89	570	81.0	148.0	13.7		193	
		21-Dec-92	702	108.0	161.0	6.0	202	202	
		6-Jul-93	776	121.0	183.0	6.2	204	204	
		31-Jan-96	703	104.0	151.0	5.7	212	259	2 U
		5-Nov-96	806	135.0	163.0	8.2	205	205	2 U
18_DW350	350	20-Jan-89	580	66.0	153.0	7.1		224	
		11-Jan-93	708	87.4	174.0	3.2	228		
		15-Jun-93	637	76.8	150.0	3.6	227	227	
		29-Jan-96	693	103.0	151.0	5.5	229	280	2 U
		6-Nov-96	624	73.0	160.0	2.8	233	233	2 U
18_DW450	450	20-Jan-89	580	68.0	148.0	22.6		224	
		12-Jan-93	660	72.0	154.0	7.0	230		
		30-Jun-93	664	69.1	148.0	6.7	232	232	
		29-Jan-96	722	91.0	165.0	8.9	251	306	2 U
		5-Nov-96	726	83.0	171.0	9.4	259	259	2 U
18_DW540	540	21-Jan-89	630	85.0	148.0	31.4		223	
		13-Jan-93	662	85.9	158.0	7.3	230	230	
		1-Jul-93	685	80.1	150.0	7.7	226	226	
		30-Jan-96	706	79.0	145.0	9.0	229	280	2 U
		6-Nov-96	690	86.0	162.0	8.7	233	233	2 U
18_MCAS01-1	70	6-Feb-89	1,616	132.0	517.0	62.0		434	
		19-Oct-89	1,520	141.0	532.0	57.5		409	
		14-May-90	1,450	142.0	429.0	46.7		406	
		14-May-90	1,450	142.0	429.0				
		11-Nov-90	1,330	136.0	353.0	42.5		375	
		17-Jul-91	1,370	131.0	390.0	53.1		373	
		22-Sep-92	1,360	151.0	383.0	62.9		195	
		23-Nov-93	1,350	164.0	364.0	15.3	422	422	
		23-Nov-93	1,360			15.6	453	453	
		24-Jan-96	1,540	189.0	411.0	24.0	455	555	2 U
		18-Nov-96	1,620	203.0	468.0	19.0	451	451	2 U
18_MCAS01-2	160	6-Feb-89	2,590	430.0	779.0	119.5		274	
		19-Oct-89	2,470	392.0	727.0	115.1		296	
		17-May-90	2,460	474.0	727.0	119.5		274	
		11-Nov-90	2,370	380.0	571.0	88.5		258	
		21-Mar-91	2,500	400.0	700.0	115.1		226	
		17-Jul-91	2,600	470.0	744.0	119.5		210	
		22-Sep-92	2,040	448.0	727.0	114.2		135	
		24-Nov-93	2,440	459.0	752.0	28.3	304	304	
		24-Jan-96	2,380	504.0	711.0	39.0	285	348	2 U
		18-Nov-96	2,530	532.0	710.0	31.2	265	265	2 U
18_MCAS01-3	220	6-Feb-89	1,270	344.0	324.0	62.0		170	
		19-Oct-89	1,460	389.0	366.0	70.8		144	
		17-May-90	1,530	346.0	341.0	75.3		169	
		11-Nov-90	1,350	336.0	345.0	62.0		201	
		21-Mar-91	1,400	339.0	350.0	62.0		176	
		17-Jul-91	1,430	320.0	348.0	66.4		172	
		22-Sep-92	1,470	349.0	376.0	73.9		89	
		18-Jan-96	1,460	333.0	358.0	19.0	247	301	2 U
		18-Nov-96	1,500	335.0	357.0	20.8	207	207	2 U

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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_MCAS01-4	280	7-Feb-89	1,420	270.0	302.0	48.7		192	
		19-Oct-89	1,280	303.0	326.0	57.5		175	
		17-May-90	1,340	302.0	341.0	48.7		221	
		11-Nov-90	1,360	272.0	350.0	62.0		230	
		21-Mar-91	1,300	290.0	330.0	53.1		172	
		17-Jul-91	1,240	257.0	305.0	53.1		176	
		22-Sep-92	1,170	246.0	295.0	55.3		183	
		24-Nov-93	1,490	322.0	382.0	18.3	217	217	
		29-Nov-93	1,140	234.0	310.0	13.4	231	231	
		18-Jan-96	1,140	224.0	276.0	13.0	240	293	2 U
		18-Nov-96	1,150	218.0	293.0	17.6	242	242	2 U
18_MCAS01-5	340	6-Feb-89	908	153.0	222.0	31.4		188	
		19-Oct-89	1,100	245.0	299.0	28.8		199	
		17-May-90	946	157.0	200.0	20.8		191	
		11-Nov-90	900	138.0	240.0	33.2		220	
		21-Mar-91	870	154.0	230.0	30.1		191	
		17-Jul-91	858	150.0	216.0	31.9		190	
		22-Sep-92	870	151.0	209.0	33.2		189	
		18-Jan-96	826	150.0	175.0	8.9	232	283	2 U
		18-Nov-96	876	150.0	189.0	9.7	224	224	2 U
18_MCAS01-6	460	6-Feb-89	788	132.0	208.0	0.4 U		178	
		19-Oct-89	818	175.0	227.0	0.4 U		157	
		14-May-90	800	152.0	195.0	0.4 U		177	
		11-Nov-90	1,280	147.0	417.0	2.7		332	
		19-Mar-91	1,100	183.0	348.0	0.4		246	
		17-Jul-91	964	167.0	279.0	0.4 U		220	
		22-Sep-92	802	139.0	197.0	0.4 U		205	
		16-Dec-93	740	135.0	188.0	0.1	248	248	
		18-Jan-96	771	146.0	175.0	0.7	232	283	2 U
		15-Nov-96	763	136.0	172.0	0.1 U	220	220	2 U
18_MCAS01-7	550	6-Feb-89	1,760	329.0	603.0	34.1		229	
		19-Oct-89	1,610	316.0	519.0	2.7		265	
		14-May-90	1,120	210.0	336.0	0.4 U		258	
		14-May-90	1,120	210.0	336.0	U			
		11-Nov-90	1,480	351.0	456.0	0.4 U		66	
		19-Mar-91	820	311.0	90.0	0.4		81	
		17-Jul-91	826	285.0	10.0	0.4 U		128	
		18-Sep-92	722	268.0	1.0	0.4 <		67	
		18-Sep-92	722	268.0	1.0				
		1-Dec-93	732	190.0	56.5	0.1 U	266	266	
		17-Jan-96	680	169.0	175.0	0.1	114	139	2 U
		15-Nov-96	711	162.0	94.7	0.1 U	235	235	2 U
18_MCAS02-1	50	7-Feb-89	1,970	417.0	430.0	137.2		349	
		17-Oct-89	1,880	457.0	459.0	124.0		235	
		18-May-90	2,050	473.0	513.0	141.7		312	
		11-Nov-90	1,980	418.0	477.0	135.0		299	
		5-Apr-91	2,070	440.0	440.0	159.4		337	
		9-Jul-91	1,980	385.0	469.0	163.8		320	
		17-Sep-92	2,140	399.0	536.0	223.6		364	
		9-Nov-93	2,250	372.0	553.0	57.1	442	442	
		30-Jan-96	2,650	453.0	587.0	73.0	472	575	2 U
		12-Nov-96	1,350	527.0	438.0	9.7	153	153	2 U

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			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_MCAS02-2	140	7-Feb-89	3,120	862.0	767.0	128.4		208	
		17-Oct-89	3,140	933.0	830.0	137.2		171	
		18-May-90	3,480	841.0	827.0	150.5		200	
		10-Nov-90	2,900	644.0	722.0	128.4		212	
		5-Apr-91	2,900	795.0	810.0	132.8		226	
		9-Jul-91	2,880	732.0	805.0	132.8		141	
		17-Sep-92	3,330	768.0	848.0	134.6		220	
		9-Nov-93	3,170	647.0	852.0	29.6	276	276	
		30-Jan-96	2,790	638.0	755.0	31.0	302	369	2 U
		12-Nov-96	2,870	704.0	995.0	40.0	306	306	2 U
18_MCAS02-3	210	7-Feb-89	1,190	274.0	293.0	53.1		171	
		17-Oct-89	1,170	278.0	307.0	53.1		164	
		18-May-90	1,280	345.0	354.0	84.1		162	
		5-Apr-91	1,440	320.0	362.0	79.7		231	
		9-Jul-91	1,310	250.0	347.0	75.3		201	
		17-Sep-92	1,230	246.0	296.0	71.3		187	
		20-Nov-93	1,150	207.0	287.0	17.4	214	214	
		30-Jan-96	1,690	213.0	256.0	21.0	195	238	2 U
		12-Nov-96	1,150	206.0	262.0	24.0	203	203	2 U
18_MCAS02-4	380	16-Feb-89	898	162.0	221.0	32.3		186	
		17-Oct-89	882	172.0	237.0	38.1		181	
		18-May-90	1,220	270.0	323.0	57.5		178	
		5-Apr-91	1,390	290.0	359.0	62.0		220	
		9-Jul-91	1,010	173.0	236.0	48.7		208	
		17-Sep-92	945	179.0	211.0	52.7		186	
		11-Nov-93	896	160.0	206.0	12.1	215	215	
		29-Jan-96	984	200.0	208.0	18.0	214	262	2 U
		12-Nov-96	999	187.0	212.0	19.0	216	216	2 U
18_MCAS02-5	430	8-Feb-89	814	134.0	193.0	12.0		187	
		10-Oct-89	822	147.0	211.0	12.0		188	
		18-May-90	864	167.0	242.0	9.7		194	
		5-Apr-91	1,390	286.0	364.0	33.2		263	
		9-Jul-91	1,040	186.0	287.0	6.2		220	
		17-Sep-92	836	161.0	204.0	3.7		202	
		12-Nov-93	837	159.0	200.0	2.6	238	238	
		29-Jan-96	854	179.0	177.0	5.8	238	290	2 U
		12-Nov-96	874	166.0	176.0	7.3	233	233	2 U
18_MCAS02-6	500	8-Feb-89	1,810	450.0	501.0	18.1 U		221	
		10-Oct-89	1,320	337.0	424.0	0.4		165	
		18-May-90	1,480	460.0	383.0	0.9		223	
		5-Apr-91	1,850	450.0	450.0	40.3		278	
		9-Jul-91	1,660	392.0	485.0	13.7 U		185	
		17-Sep-92	1,410	332.0	412.0	0.4 <		183	
		15-Nov-93	1,330	299.0	397.0	0.1 U	212	212	
		29-Jan-96	1,350	313.0	374.0	0.1	227	277	2 U
		12-Nov-96	1,340	338.0	399.0	0.1 U	209	209	2 U
18_MCAS02-7	560	8-Feb-89	2,200	596.0	649.0	30.1 U		197	
		10-Oct-89	2,210	576.0	648.0	0.4 U		230	
		18-May-90	2,100	618.0	663.0	0.4		268	
		5-Apr-91	1,860	462.0	511.0	1.3		303	
		9-Jul-91	1,840	398.0	477.0	0.4 U		295	
		17-Sep-92	1,850	437.0	517.0	0.4		280	
		16-Nov-93	1,750	388.0	500.0	0.1 U	332	332	
		29-Jan-96	1,700	419.0	471.0	0.1 U	341	416	2 U
		12-Nov-96	1,700	399.0	456.0	0.1 U	351	351	2 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_MCAS02-8	630	8-Feb-89	1,870	528.0	518.0	0.4 U		160	
		10-Oct-89	1,490	431.0	402.0	0.4 U		160	
		18-May-90	1,480	450.0	362.0	0.4 U		165	
		5-Apr-91	1,550	432.0	349.0	0.4 U		293	
		9-Jul-91	1,520	374.0	320.0	0.4 U		294	
		17-Sep-92	1,350	355.0	368.0	0.4 <		205	
		8-Nov-93	1,425	163.0	190.0	0.1 U	262	262	
		29-Jan-96	1,410	312.0	402.0	0.1	225	275	2 U
		12-Nov-96	1,350	527.0	438.0	0.1 U	153	153	2 U
18_MCAS03-1	95	30-Jan-89	2,072	251.0	814.0	97.4		208	
		10-Oct-89	2,230	265.0	899.0	110.7		208	
		17-May-90	2,340	348.0	981.0	115.1		165	
		9-Nov-90	2,100	246.0	815.0	110.7		200	
		4-Apr-91	2,290	318.0	918.0	124.0		219	
		18-Jul-91	2,250	315.0	911.0	128.4		165	
		15-Sep-92	2,120	327.0	888.0	134.1		182	
		22-Nov-93	1,890	268.0	717.0	24.0	267	267	
		22-Nov-93	1,900	271.0	849.0	24.1	268	268	
		6-Nov-96	1,940	233.0	917.0	23.0	114	114	2 U
18_MCAS03-2	170	30-Jan-89	1,562	340.0	447.0	101.8		84	
		10-Oct-89	1,710	350.0	440.0	93.0		143	
		17-May-90	1,690	396.0	480.0	97.4		130	
		9-Nov-90	1,650	326.0	400.0	84.1		148	
		4-Apr-91	1,630	357.0	411.0	93.0		151	
		18-Jul-91	1,520	340.0	442.0	93.0		96	
		15-Sep-92	1,590	192.0	696.0	81.0		146	
		19-Nov-93	1,500	287.0	383.0	20.9	161	161	
		6-Feb-96	1,690	335.0	389.0	25.0	150	183	2 U
		6-Nov-96	1,550	348.0	397.0	21.0	179	179	2 U
18_MCAS03-3	230	30-Jan-89	768	180.0	120.0	101.8		146	
		9-Oct-89	822	180.0	123.0	93.0		148	
		17-May-90	894	173.0	118.0	88.5		148	
		9-Nov-90	824	172.0	108.0	84.1		140	
		4-Apr-91	798	175.0	110.0	93.0		150	
		18-Jul-91	806	188.0	110.0	88.5		144	
		15-Sep-92	806	200.0	101.0	81.0		141	
		19-Nov-93	798	181.0	94.3	18.6	160	160	
		6-Feb-96	828	208.0	89.0	23.0	161	196	2 U
		6-Nov-96	843	220.0	97.0	23.0	164	164	2 U
18_MCAS03-4	350	30-Jan-89	658	116.0	122.0	16.4		182	
		9-Oct-89	688	123.0	146.0	19.0		176	
		17-May-90	722	128.0	140.0	12.8		173	
		4-Apr-91	694	121.0	138.0	22.1		184	
		18-Jul-91	694	121.0	137.0	26.6		144	
		15-Sep-92	714	124.0	135.0	30.8		171	
		18-Nov-93	691	110.0	128.0	7.7	206	206	
		6-Feb-96	713	119.0	118.0	10.0	204	249	2 U
		6-Nov-96	680	126.0	123.0	19.0	203	203	2 U
18_MCAS03-5	430	30-Jan-89	656	96.0	162.0	8.4		192	
		9-Oct-89	782	135.0	186.0	4.0		201	
		17-May-90	684	88.0	157.0	3.1		196	
		4-Apr-91	710	90.0	171.0	10.6		208	
		18-Jul-91	664	84.0	171.0	7.5		195	
		15-Sep-92	568	69.0	161.0	6.2		195	
		18-Nov-93	625	65.6	151.0	1.4	234	234	
		6-Feb-96	795	187.0	137.0	0.6	240	293	2 U
		6-Nov-96	631	79.0	164.0	1.7	244	244	2 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_MCAS03-6	500	30-Jan-89	772	157.0	186.0	10.6		181	
		9-Oct-89	804	153.0	189.0	10.6		169	
		17-May-90	802	154.0	190.0	4.9 U		181	
		4-Apr-91	798	194.0	224.0	0.4 U		85	
		18-Jul-91	731	185.0	216.0	0.4 U		148	
		15-Sep-92	736	187.0	212.0	0.4		42	
		17-Nov-93	689	158.0	197.0	0.2 U	73	73	
		6-Feb-96	795	187.0	203.0	0.1 U	24	29	2 U
		6-Feb-96	1,980	219.0	766.0	26.0	309	377	2 U
		6-Nov-96	738	199.0	213.0	0.1	43	43	2 U
18_MCAS04	238	23-Oct-89	886	153.0	205.0	21.2		148	
		23-Feb-90	996	156.0	232.0	17.3		154	
		6-Jul-90	884	173.0	270.0	20.4		116	
		2-Feb-91	852	170.0	267.0	19.9		128	
		10-Jul-92	844	171.0	264.0	24.3		145	
		10-Jul-92	844	171.0	264.0				
		4-Aug-93	944	158.0	240.0	5.9	184	184	
		9-Feb-96	1,020	184.0	248.0	8.6	210	256	2 U
		19-Nov-96	1,030	198.0	294.0	8.6	209	209	2 U
18_MCAS05	148	19-Oct-89	912	206.0	186.0	48.7		173	
		7-Mar-90	896	182.0	179.0	48.7		43	
		23-Jul-90	918	212.0	196.0	53.1		176	
		15-Feb-91	948	234.0	203.0	53.1		179	
		31-Jul-92	934	213.0	193.0	51.8		170	
		16-Jun-93	919	200.0	179.0	12.6	210	210	
		16-Jun-93	930	201.0	180.0		216	216	
18_MCAS05A	130	6-Feb-96	768	145.0	188.0	3.0	219	267	2 U
		20-Nov-96	701	170.0	128.0	5.6	233	233	2 U
		20-Nov-96	719	176.0	129.0	5.7	222	222	2 U
18_MCAS06	222	28-Oct-89	722	143.0	163.0	17.7		162	
		9-Mar-90	668	141.0	124.0	17.7		161	
		11-Jul-90	748	145.0	145.0	24.3		149	
		23-May-91	712	147.0	155.0	28.8		154	
		31-Jul-92	782	160.0	172.0	39.4		139	
		16-Jun-93	741	143.0	163.0	7.3	188	188	
		6-Feb-96	768	145.0	188.0	3.0	189	230	2 U
		19-Nov-96	775	152.0	185.0	6.7	190	190	2 U
18_MCAS07-1	99	20-Jan-89	2,560	545.0	638.0	168.2		167	
		2-Aug-90	2,670	493.0	716.0	177.1		269	
		16-Nov-90	2,640	538.0	700.0	177.1		221	
		22-Mar-91	2,600	447.0	607.0	150.5		267	
		25-Jul-91	2,520	535.0	673.0	177.1		262	
		20-Oct-92	2,440	525.0	650.0	175.3		270	
		27-Oct-93	2,680	488.0	668.0	35.5	254	254	
		27-Oct-93	2,790	490.0	675.0	36.1	346	346	
		9-Feb-96	2,430	528.0	598.0	35.0	326	398	2 U
		20-Nov-96	2,180	457.0	576.0	33.2	317	317	2 U
18_MCAS07-2	199	20-Jan-89	870	151.0	166.0	0.4		178	
		2-Aug-90	1,030	182.0	234.0	57.5		190	
		17-Nov-90	710	119.0	150.0	25.7		150	
		22-Mar-91	780	141.0	179.0	31.4		174	
		26-Jul-91	786	138.0	161.0	33.2		184	
		20-Oct-92	734	121.0	136.0	31.9		174	
		21-Oct-93	695	123.0	128.0	10.7	204	204	
		9-Feb-96	778	145.0	171.0	7.3	208	254	2 U
		20-Nov-96	674	144.0	149.0	6.1	220	220	2 U