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MCAS EL TORO
SSIC # 5090.3

FINAL

GROUNDWATER MONITORING REPORT
OCTOBER 1997 SAMPLING ROUND

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

Contract No. N68711-96-D-2029
Delivery Order 005

Prepared for:

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March 4, 1998
DOC No. 4329

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Subject: Contract No. N68711-96-D-2029, Delivery Order No. 005
Groundwater Monitoring for Marine Corps Air Station El Toro
Groundwater Monitoring Report, October 1997 - Sampling Round 7

Dear Mr. Lindsey:

Enclosed are seven copies of the Groundwater Monitoring Report, October 1997 Sampling Round 7 for the MCAS El Toro Groundwater Monitoring Program. Additional copies have been sent directly to the personnel identified on Attachment A, distribution list, which you updated on 13 February 1998.

If you have any questions, please call me at (619) 268-3383.

Sincerely,

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GROUNDWATER MONITORING REPORT
OCTOBER 1997 SAMPLING ROUND
for
MARINE CORPS AIR STATION
EL TORO, CALIFORNIA

CONTRACT NUMBER: N68711-96-D-2029, Delivery Order No. 005

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LIST OF ACRONYMS

AC	air contamination (blank samples)
APCL	Applied P & Ch Laboratory
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
CDM Federal	CDM Federal Programs Corporation
CLEAN	Comprehensive Long-term Environmental Action Navy
CLP	Contract Laboratory Program
CRDL	contract-required detection limit
CRQL	contract-required quantitation limit
DBMW	deep boring (completed as) monitoring well
DVRs	data validation reports
1,1-DCE	1,1-dichloroethene
1,2-DCE	1,2-dichloroethene
°C	degrees Celsius
DG	downgradient (monitoring well)
DO	dissolved oxygen
DTSC	(California) Department of Toxic Substances Control
EC	electrical conductivity
Eh	redox potential
EOD	Explosive Ordnance Disposal
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
L	liter
MCAS	Marine Corps Air Station
MCL	maximum contaminant level
MDA	minimum detectable activity
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

LIST OF ACRONYMS (continued)

OCWD	Orange County Water District
OU	Operable Unit
PCB	polychlorinated biphenyl
PCE	tetrachloroethene (also perchloroethylene)
pCi	picoCurie
pH	measures of acidity/alkalinity
QAPP	Quality Assurance Project Plan
QA/QC	quality assurance/quality control
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
RPM	remedial project manager
RWQCB	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
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
WT	water table (monitoring well)

EXECUTIVE SUMMARY

This Groundwater Monitoring Report presents the results of the October 1997 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 from September through November 1997 and included two water level measurement rounds (all monitoring wells/monitoring ports) and the collection and analysis of groundwater samples from a selected set of 80 monitoring wells/ports at MCAS El Toro. During this sampling round, groundwater samples were analyzed for volatile organic compounds (VOCs), general chemistry and treatability parameters, dissolved metals, and radionuclide parameters. Quarterly sampling of the groundwater monitoring wells at MCAS El Toro was last conducted in July 1997.

Overall, groundwater elevations in most of the shallow groundwater monitoring wells at MCAS El Toro have shown only slight increase from groundwater levels measured during the last monitoring round (August 1997). Groundwater elevations in wells completed in the principal aquifer have increased from elevations measured in August 1997, specifically in the off-Station downgradient area. 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 monitoring rounds conducted in 1993-94, 1996, and 1997.

In general, the distribution and concentrations of trichloroethene (TCE), tetrachloroethene (PCE), and carbon tetrachloride detected in October 1997 in the on-Station VOC source area are comparable to sampling results from the previous sampling rounds conducted in 1996 and 1997. The TCE concentrations detected in downgradient off-Station monitoring wells/ports

are comparable to TCE concentrations measured in July 1997. The current sampling data confirm the presence of a secondary VOC plume (TCE-PCE) at Site 2 (Magazine Road Landfill).

1.0 INTRODUCTION

The results of the October 1997 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 N68711-96-D-2029, Delivery Order 005.

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) as part 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.

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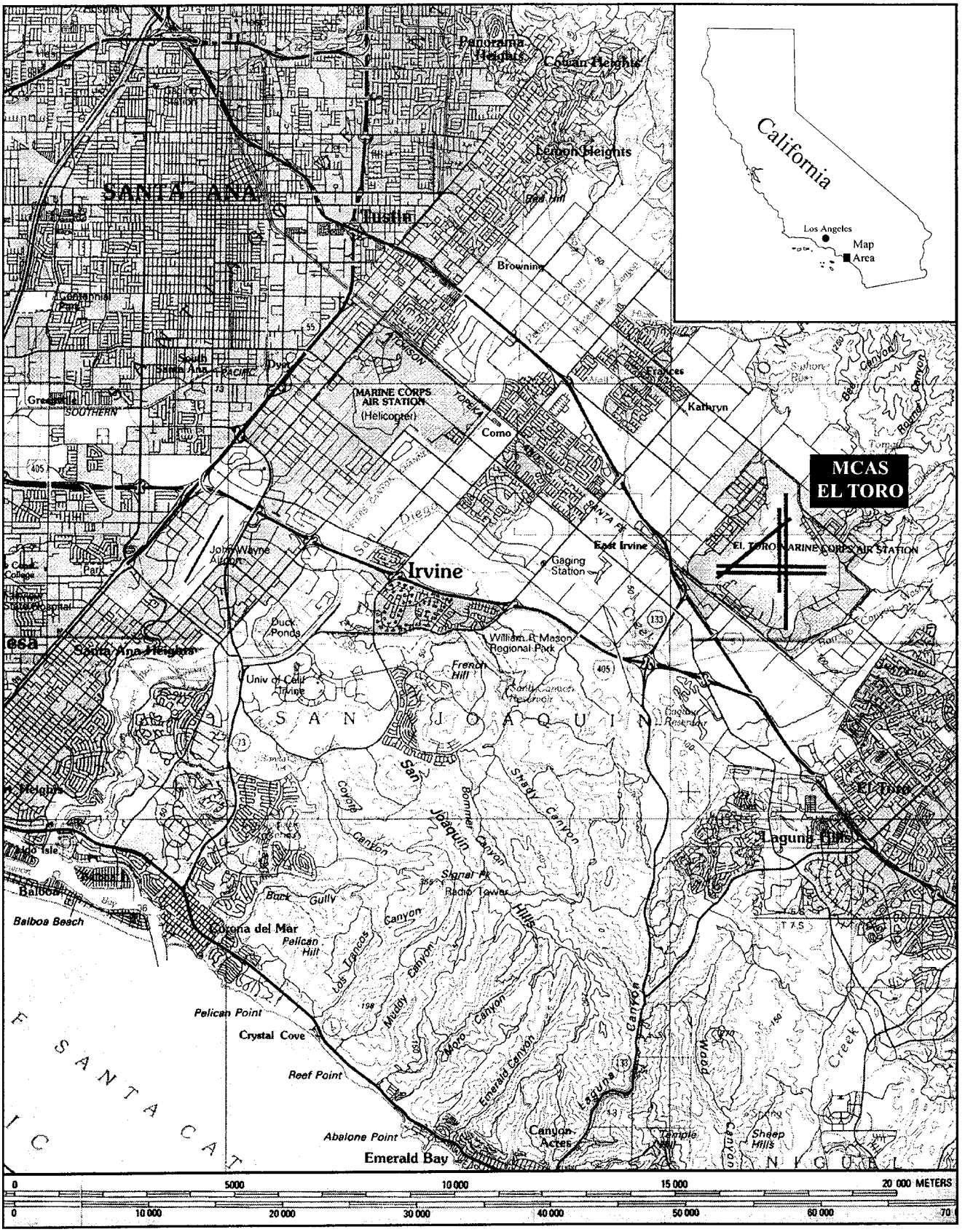

Map Source: USGS 30' x 60' Santa Ana sheet, 1983

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Location of Marine Corps Air Station, El Toro

MCAS El Toro Groundwater Monitoring Report

Figure 1-1

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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 results of the fourth sampling round are presented in a report entitled *Groundwater Monitoring Report, November-December 1996 Sampling Round* (CDM Federal, 1997a). The fifth sampling round at MCAS El Toro was conducted during March 1997 (CDM Federal, 1997b). In June 1997, SWDIV issued an additional contract to perform the sixth and seventh rounds of sampling following a modified scope of sampling. The sixth sampling round was conducted during July 1997 (CDM Federal, 1997c). The current monitoring report presents the results of the October 1997 sampling round (Round 7) and monitoring well water level measurements collected in September and November 1997.

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.

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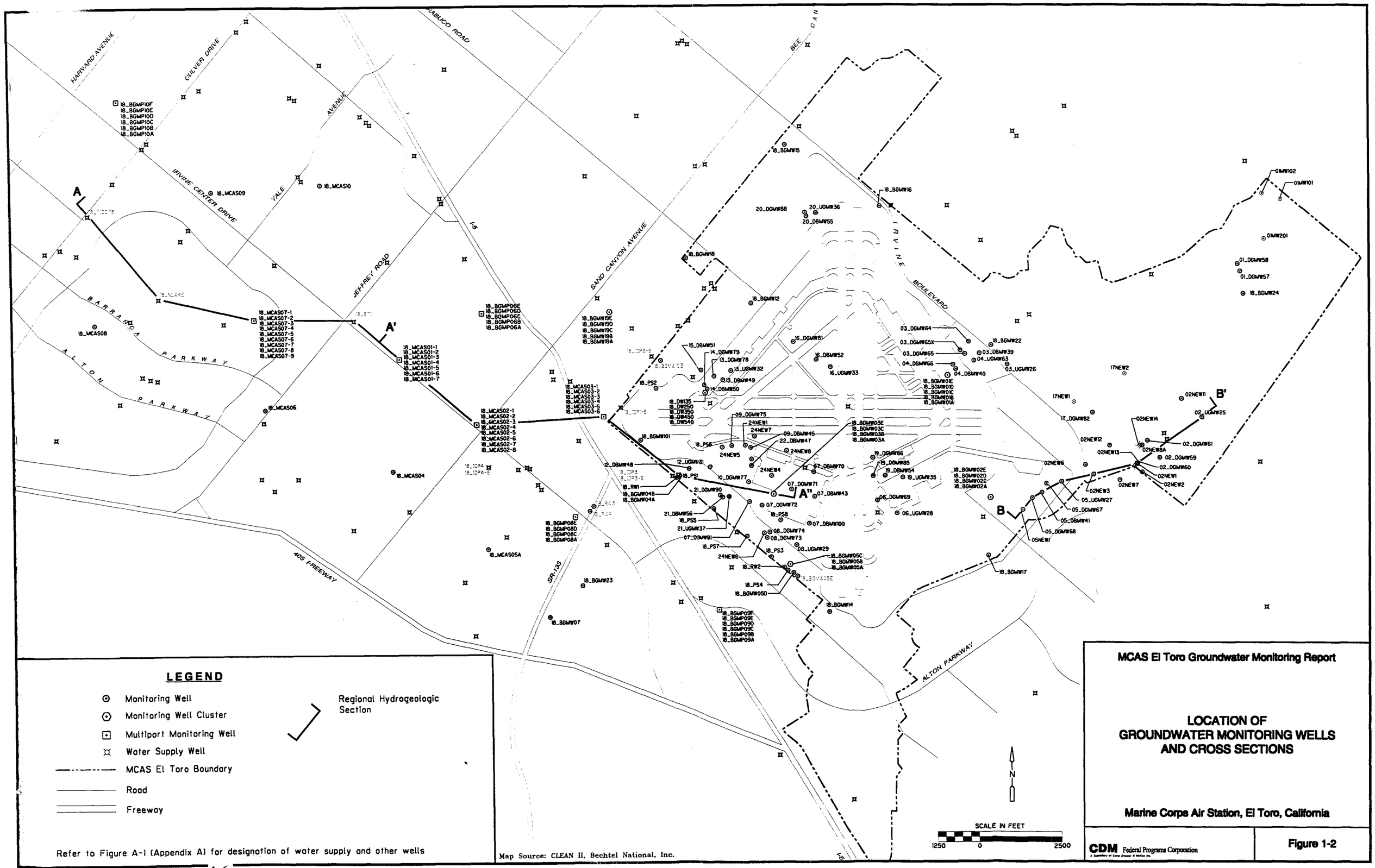
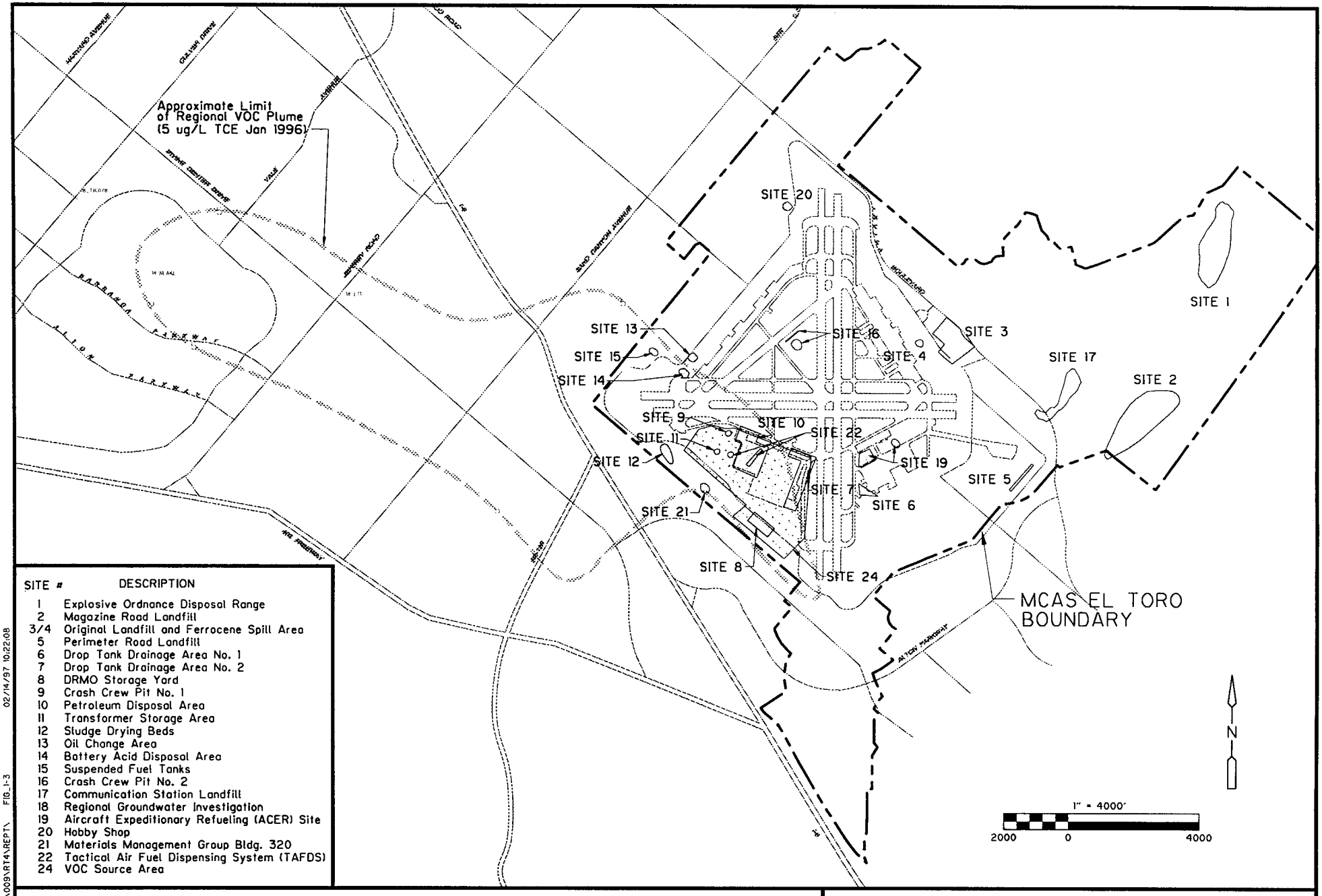

HARVARD AVENUE
CULVER DRIVE
IRVINE CENTER DRIVE
YALE AVENUE
JEFFREY ROAD
SAND CANYON AVENUE
BARRANCA PARKWAY
ALTON PARKWAY
405 FREEWAY
SR-133
I-5
IRVINE BOULEVARD
A
A'
A''
B
B'
LEGEND
Monitoring Well
Monitoring Well Cluster
Multiport Monitoring Well
Water Supply Well
MCAS El Toro Boundary
Road
Freeway
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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Groundwater Monitoring Report
Marine Corps Air Station, El Toro, California

Figure 1-3
LOCATION OF RI/FS SITES

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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.

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.

Figure 1-2 shows the location of two regional cross sections which illustrate hydrogeologic conditions. 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

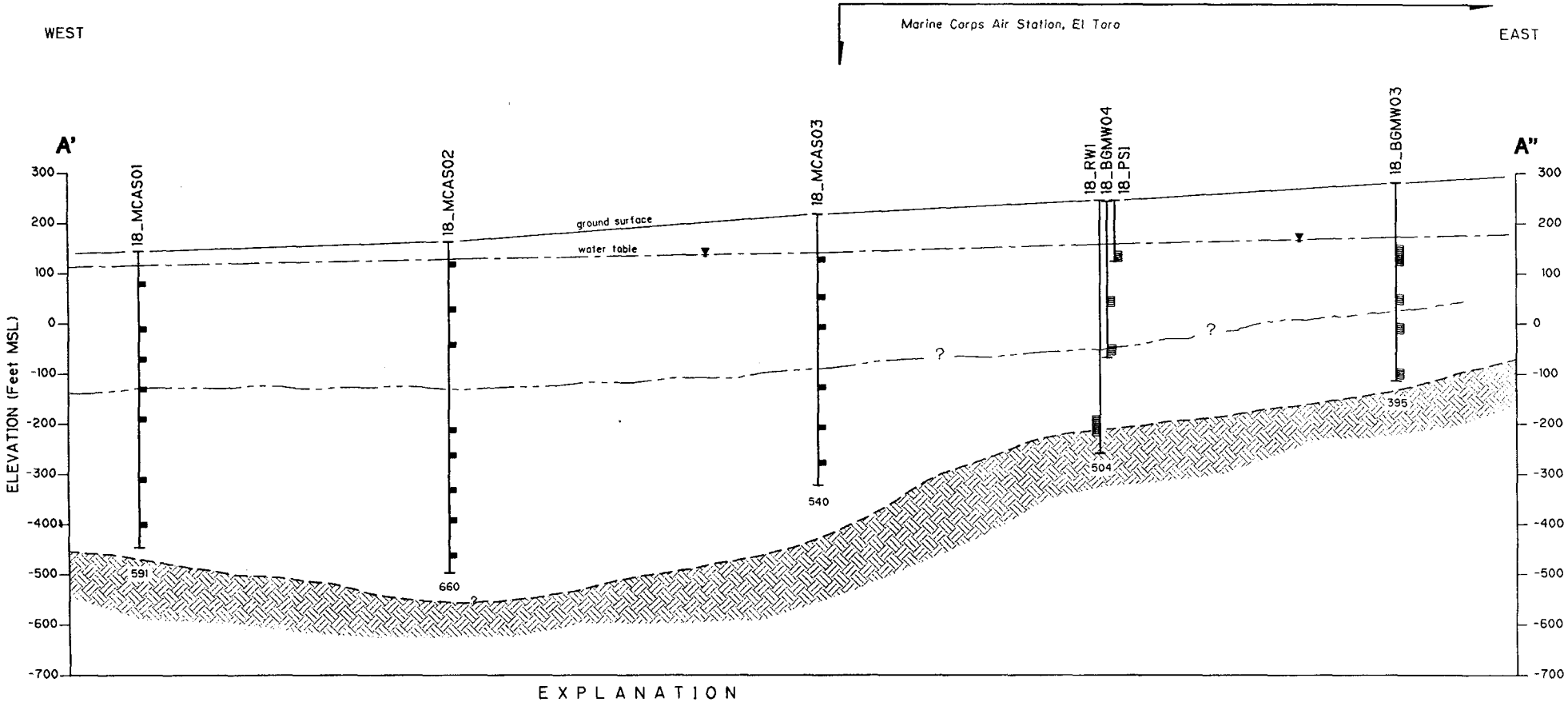
the eastern foothills area of the Station (Figure 1-2). A supplemental regional cross section (identified A-A") is included in Section 4.0 of this report.

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 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 October 1997 groundwater sampling round. The content and organization of this report follow the format described in the



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

Figure 1-4
HYDROGEOLOGIC SECTION A'-A"

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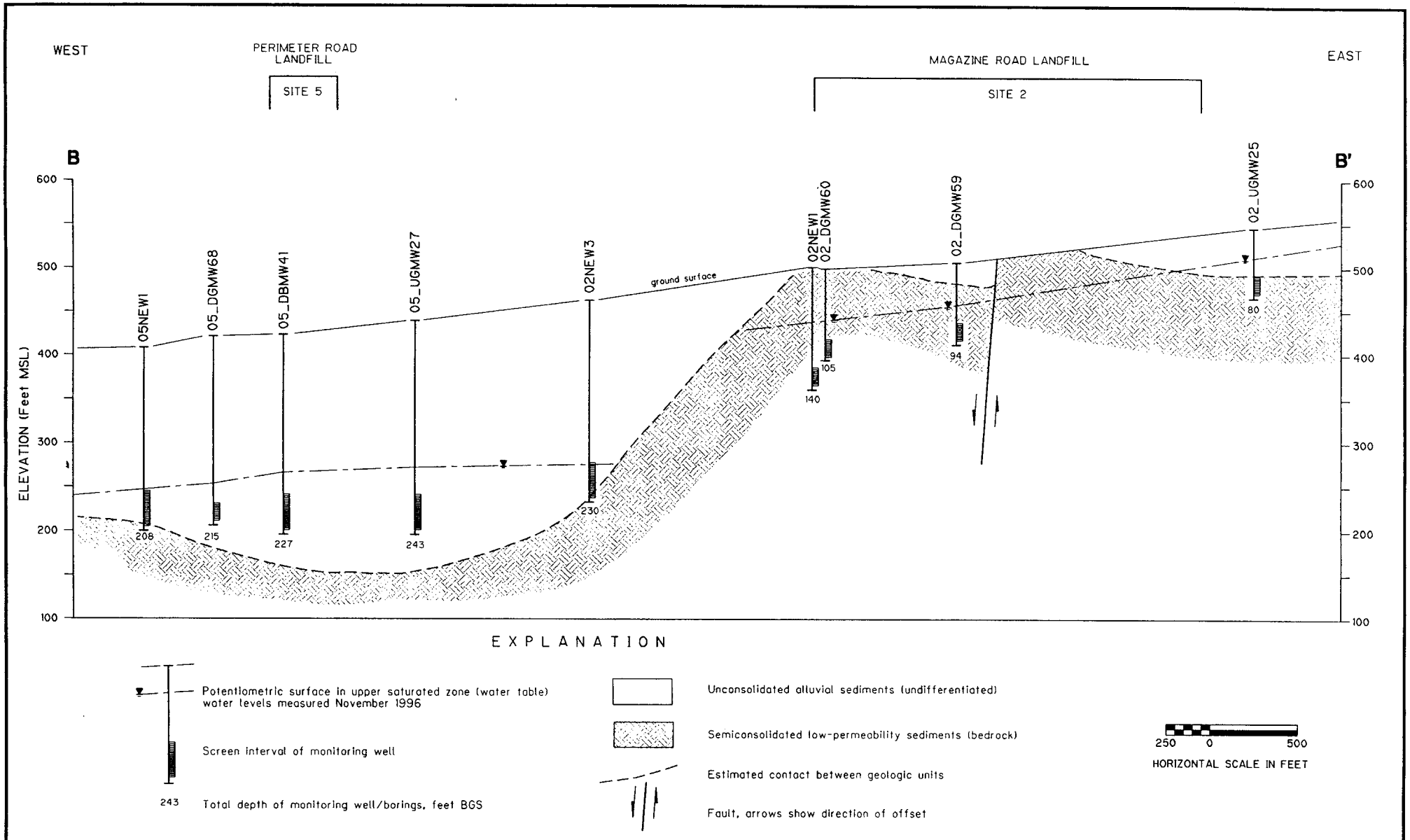

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Marine Corps Air Station, El Toro, California

Figure 1-5
HYDROGEOLOGIC SECTION B-B'

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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). The discussion and evaluation of the groundwater monitoring data and data trends will be addressed in the Long-Term Groundwater Monitoring Plan prepared for MCAS El Toro.

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), metals, general chemistry and selected radionuclide 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.

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. Because of 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 OCTOBER 1997 SAMPLING ROUND

From September through November 1997, CDM Federal monitored and sampled groundwater at MCAS El Toro as part of the current GWMP. The field activities performed comprise groundwater sampling Round 7, as defined in the Navy's Scope of Work (SOW), dated April 25, 1997. 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 7 field activities included measurement of water levels from the MCAS El Toro groundwater monitoring well network (181 wells/ports) and collection and analysis of groundwater samples from 80 selected monitoring wells/ports. 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 two monthly monitoring periods: September 24-25 and November 5-7, 1997. 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 two water level surveys:

- On September 24-25, 1997, water levels were measured at 178 monitoring wells and ports. Field teams were unable to collect water level measurements at Well 19_UGMW35 because the well box was flooded from a rain storm event and Well 18_RW2 because the lid to the well casing could not be opened. Access to Well 18_BGMW5E was restricted due to military equipment and vehicles.

- On November 5-7, 1997, water levels were measured at all 181 wells and Westbay monitoring ports. Access to Well 18_RW2 for water level measurements was restored by removal and realignment of the stuck well cap.

2.2 GROUNDWATER SAMPLING AND ANALYSES

In October 1997, groundwater samples were scheduled to be collected from 80 GWMP monitoring wells and ports specified in the Navy's SOW, dated April 25, 1997. Three monitoring wells identified in the original SOW could not be sampled during Round 7. During Round 6, two wells (04_UGMW63 and 17_DGMW82) were found to have inoperative dedicated pumps which prevented well purging and sampling. Another well (05_DGMW67) could not be sampled due to overheating of the pump impeller. Navy subsequently issued a modified SOW, dated October 22, 1997 which specified the following alternative sampling locations for Round 7: Westbay ports 18_MCAS01-6, 18_MCAS02-6, and Well 02NEW13.

During Round 7, 66 conventional monitoring wells and 14 Westbay monitoring ports were sampled as listed in Table 2-1. Purging and sampling logs for the 80 monitoring wells/ports sampled this round are provided in Appendix F. Groundwater samples were collected from the multiport monitoring wells using the Westbay sampling equipment and procedures. Twenty-seven of the conventional monitoring wells were purged and sampled using the dedicated submersible pumps installed in these wells. For the dedicated pump wells, the purging discharge rate was measured using a graduated bucket and stopwatch. The remaining 39 wells were purged and sampled using a non-dedicated (temporary) pump system. The non-dedicated purging and sampling system included 3-inch and 4-inch (high capacity) electric submersible pumps, 1-inch polyethylene discharge tubing, flow meter, and sampling port. Flow meter readings and total purging time were recorded to calculate the average discharge rate for the purging of the non-dedicated wells (see purge logs, Appendix F). The submersible pumps, discharge tubing, and other components of the non-dedicated sampling system were

Table 2-1: GROUNDWATER SAMPLING AND ANALYSES
October 1997 Sampling -- MCAS El Toro Groundwater Monitoring Program

Station ID	Date Sampled	ANALYSES					
		VOCs	Gross Alpha Gross Beta	Selected Radionuclides	Metals	General Chemistry	Treatability Parameters
01MW101	23-Oct-97	1	1	1	1	1	
resample	31-Oct-97	1					
01MW102	23-Oct-97	1	1	1	1	1	
resample	30-Oct-97	1					
01MW201	23-Oct-97	1	1	1	1	1	
resample	30-Oct-97	1					
02_DGMW59	27-Oct-97	1	1	1	1	1	
02_DGMW60	28-Oct-97	1	1	1	1	1	
02_DGMW61	28-Oct-97	1	1	1	1	1	
02_UGMW25	27-Oct-97	1	1	1	1	1	
02NEW1	28-Oct-97	1	1	1	1	1	
02NEW2	27-Oct-97	1	1	1	1	1	
02NEW3	23-Oct-97	1	1	1	1	1	
02NEW6	23-Oct-97	1	1	1	1	1	
02NEW7	22-Oct-97	1	1	1	1	1	
02NEW8A	27-Oct-97	1	1	1	1	1	
02NEW11	27-Oct-97	1	1	1	1	1	
02NEW12	23-Oct-97	1	1	1	1	1	
02NEW13	28-Oct-97	1	1	1	1	1	
03_DBMW39	20-Oct-97	1	1	1	1	1	
03_DGMW64	16-Oct-97	1	1	1	1	1	
03_DGMW65X	15-Oct-97	1	1	1	1	1	
03_UGMW26	17-Oct-97	1	1	1	1	1	
04_DBMW40	16-Oct-97	1	1	1	1	1	
04_DGMW66	15-Oct-97	1	1	1	1	1	
05_DBMW41	21-Oct-97	1	1	1	1	1	
05_DGMW68	17-Oct-97	1	1	1	1	1	
05_UGMW27	21-Oct-97	1	1	1	1	1	
05NEW1	21-Oct-97	1	1	1	1	1	
07_DBMW43	22-Oct-97	1				1	
07_DGMW91	22-Oct-97	1				1	
07_DBMW100	22-Oct-97	1				1	
08_DGMW74	27-Oct-97	1				1	1
08_UGMW29	24-Oct-97	1				1	

Table 2-1: GROUNDWATER SAMPLING AND ANALYSES
October 1997 Sampling -- MCAS El Toro Groundwater Monitoring Program

Station ID	Date Sampled	ANALYSES					
		VOCs	Gross Alpha Gross Beta	Selected Radionuclides	Metals	General Chemistry	Treatability Parameters
09_DBMW45	22-Oct-97	1				1	
09_DGMW75	23-Oct-97	1				1	
10_DGMW77	28-Oct-97	1				1	
13_DGMW78	21-Oct-97	1				1	
14_DBMW50	21-Oct-97	1				1	
14_DGMW79	21-Oct-97	1				1	
15_DBMW51	28-Oct-97	1				1	
16_DBMW52	22-Oct-97	1				1	
16_DGMW81	27-Oct-97	1				1	
16_UGMW33	22-Oct-97	1				1	
17NEW1	23-Oct-97	1				1	
17NEW2	23-Oct-97	1				1	
18_BGMW03C	17-Oct-97	1				1	
18_BGMW03E	22-Oct-97	1				1	1
18_BGMW04B	20-Oct-97	1				1	1
18_BGMW05D	27-Oct-97	1				1	1
18_BGMW101	20-Oct-97	1				1	
18_DW135	24-Oct-97	1				1	1
18_MCAS01-3	22-Oct-97	1				1	
18_MCAS01-4	22-Oct-97	1				1	
18_MCAS01-5	22-Oct-97	1				1	
18_MCAS01-6	22-Oct-97	1				1	
18_MCAS02-3	17-Oct-97	1				1	
18_MCAS02-4	17-Oct-97	1				1	
18_MCAS02-5	17-Oct-97	1				1	
18_MCAS02-6	17-Oct-97	1				1	
18_MCAS03-1	14-Oct-97	1				1	
18_MCAS03-2	14-Oct-97	1				1	
18_MCAS03-3	14-Oct-97	1				1	

Table 2-1: GROUNDWATER SAMPLING AND ANALYSES
October 1997 Sampling -- MCAS El Toro Groundwater Monitoring Program

Station ID	Date Sampled	ANALYSES					
		VOCs	Gross Alpha Gross Beta	Selected Radionuclides	Metals	General Chemistry	Treatability Parameters
18_MCAS04	29-Oct-97	1				1	
18_MCAS06	31-Oct-97	1				1	
18_MCAS07-3	16-Oct-97	1				1	
18_MCAS07-4	16-Oct-97	1				1	
18_MCAS07-5	16-Oct-97	1				1	
18_MCAS08	29-Oct-97	1				1	
18_MCAS09	29-Oct-97	1				1	
18_MCAS10	29-Oct-97	1				1	
18_PS2	24-Oct-97	1				1	1
18_PS3	28-Oct-97	1				1	1
18_PS5	28-Oct-97	1				1	1
18_PS6	23-Oct-97	1				1	1
21_UGMW37	27-Oct-97	1				1	
22_DBMW47	23-Oct-97	1				1	
24NEW1	23-Oct-97	1				1	1
24NEW4	23-Oct-97	1	1	1	1	1	1
24NEW5	20-Oct-97	1				1	1
24NEW6	27-Oct-97	1				1	1
24NEW7	20-Oct-97	1				1	1
24NEW8	20-Oct-97	1				1	1
Total Samples		**83**	**27**	**27**	**27**	**80**	**15**

1. Analytical Parameters and Methods:
a) Volatile organic compounds (VOCs) plus Freon 113 by CLP SOW Version OLM03.0 for VOCs.
b) Gross Alpha by SM7110C/Gross Beta by EPA Method 900.
c) Selected Radionuclides include: Radium-226 by EPA Method 903.1, Radium-228 by EPA Method 904.0, Strontium-89 by EPA Method 905.0, and Cesium-134 by EPA Method 901.1.
d) Metals (Target Analyte List) by CLP SOW Version ILM03.0 for Metals (filtered samples).
e) 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.
f) 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-90 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.

2. Wells from which duplicate samples were collected:

02_DGMW60	05_UGMW27	18_BGMW03E	18_PS6
03_DBMW39	15_DBMW51	18_MCAS03-2	24NEW4

decontaminated before use and between sampling locations following procedures in the project SAP (CDM Federal, 1996d).

Groundwater samples collected during Round 7 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.

All of the groundwater monitoring wells and ports sampled during Round 7 were analyzed for VOCs using the EPA Contract Laboratory Program (CLP) method and included analysis for Freon 113. Additionally, all 80 of the monitoring wells and ports were sampled for general chemistry parameters. As presented in Table 2-1, samples were also collected from selected wells and analyzed for dissolved metals, site-specific analytes, including treatability parameters, gross alpha, gross beta, and selected radionuclides. All metals samples were filtered using a disposable groundwater filter in the field.

Groundwater samples were collected daily during Round 7 and transported by courier directly to Applied P&Ch Laboratory (APCL) in Chino, California for analysis. Samples analyzed for radionuclides were transported by courier to Truesdail Laboratory in Irvine, California.

Field teams used the YSI 6000 Environmental Monitoring System with a flow-through chamber to measure field parameters during groundwater sampling. Field parameters measured during purging were temperature, pH, electrical conductivity, turbidity, dissolved oxygen, and redox potential. Table C-1 in Appendix C presents the results of the field parameter measurements.

During the current sampling round, the YSI 6000 monitoring instruments were calibrated daily and performed properly throughout the sampling activities. In cases where questionable or anomalous field readings were encountered, the field teams stopped purging and conducted cleaning and recalibration of the YSI instrument. The recalibration and maintenance of the field instruments were documented in the site trailer logbook. Refer to Section 9.3.3 for discussion of the field parameter data collected during groundwater sampling.

As discussed in the Round 6 monitoring report (CDM Federal, 1997c), a modification in sampling procedure was initiated for the samples collected from the Site 1 monitoring wells: 01MW101, 01MW102, and 01MW201. Past sampling has shown these wells to be low-recharge wells which go dry during purging even at low discharge rates. Accordingly, each well was purged dry and sampled one to two days later after the well recovered. To provide an independent check on sampling method, a Teflon disposable bailer was used instead of the temporary sampling pump/tubing system used for the other non-dedicated pump wells sampled during Round 7. Refer to Section 9.4 for discussion of the Site 1 VOC resampling results.

2.3 LOW-FLOW WELL PURGING AND SAMPLING

During Round 7, a total of 22 monitoring wells was sampled using the low-flow purging method as summarized in Table 2-2. The objective of low-flow purging is to remove well casing water from the monitoring screen at a rate that matches the aquifer recharge rate and to collect representative groundwater samples with minimum 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 11 wells) and an additional ten GWMP wells equipped with dedicated 2-inch submersible pumps were purged and sampled employing the low-flow purge technique (Table 2-2). One well (02NEW7) did not contain a dedicated pump but was

purged and sampled via low-flow by lowering a 3-inch submersible (Redi-Flo) pump into the well screen 24 hours prior to purging.

Before purging, field teams calculated the minimum purge volume for each well, which is equal to three volumes of the pump and tubing assembly. During the initial 3 to 4 minutes of purging, the pumping rate was set at 0.5 gallons per minute (gpm) and drawdown in the well was continuously monitored. Discharge rate during low-flow purging was measured using a graduated bucket and stopwatch. For 17 of the wells, neglible drawdown (i.e., less than 0.5 feet) was observed during purging at a rate of 0.5 gpm and no adjustment to the low-flow purge rate was required (Table 2-2). Measurable drawdown was observed during the purging of four of the Site 2 monitoring wells, and the discharge rates were reduced accordingly. For the non-dedicated pump well 02NEW7, the lowest sustainable purge rate for the temporary 3-inch submersible pump used was 0.63 gpm.

For all wells purged using the low-flow method, samples were collected after field parameters had stabilized and the minimum purge volume had been discharged in accordance with the project SAP and SOP for low-flow purging and sampling (CDM Federal, 1996d). Refer to Table 2-2 and the sampling logs in Appendix F for purging and sampling information.

Table 2-2: MONITORING WELLS PURGED AND SAMPLED USING LOW-FLOW PROCEDURE
October 1997 Sampling
MCAS El Toro Groundwater Monitoring

Well Number	Date Purged and Sampled	Total Gallons Purged	Remarks / Purge Water Characteristics	Flow Rate (gpm)
02_DGMW59	27-Oct-97	7	clear water	0.2
02_DGMW60	28-Oct-97	7	clear water	0.25
02_DGMW61	28-Oct-97	7	clear water, air bubbles observed	0.3
02_UGMW25	27-Oct-97	6	clear water	0.5
02NEW1	28-Oct-97	9	clear water	0.5
02NEW2	27-Oct-97	7	clear water, air bubbles observed	0.3
02NEW3	23-Oct-97	16	clear water	0.5
02NEW6	23-Oct-97	16	clear water	0.5
02NEW7	22-Oct-97	19	clear water, used nondedicated pump	0.63
02NEW8A	27-Oct-97	6	clear water	0.5
02NEW11	27-Oct-97	5	clear water	0.5
02NEW12	23-Oct-97	18	initially light amber then clear water	0.5
05_DBMW41	21-Oct-97	16	clear water, air bubbles observed	0.5
05NEW1	21-Oct-97	15	amber water	0.5
13_DGMW78	21-Oct-97	12	clear water	0.5
14_DBMW50	21-Oct-97	11	clear water, air bubbles observed	0.5
14_DGMW79	21-Oct-97	11	clear water, air bubbles observed	0.5
16_DBMW52	22-Oct-97	16	clear water	0.5
16_UGMW33	22-Oct-97	16	clear water	0.5
17NEW1	23-Oct-97	16	clear water, air bubbles observed	0.5
17NEW2	23-Oct-97	9	clear water	0.5
18_BGMW03E	22-Oct-97	12	initially amber then clear, air bubbles observed	0.5

EXPLANATION

1. Flow rate during purging measured using graduated bucket and stopwatch.
   Flow rate in gallons per minute (gpm).
2. Refer to Table 2-1 for samples collected and Appendix F for purging and sampling records.

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3.0 RESULTS OF WATER LEVEL MEASUREMENTS

Water level measurements were collected in September and November 1997 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 current monitoring period and prior measurements are listed in Table B-1, included in Appendix B of this report.

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 August through November 1997, 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 September 1997 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 0.031 feet/foot (ft/ft), in the foothill and edge-of-basin areas (eastern portion of the Station). The gradient decreases to an average 0.007 ft/ft in the central and western portions of the Station and to an average of 0.005 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).

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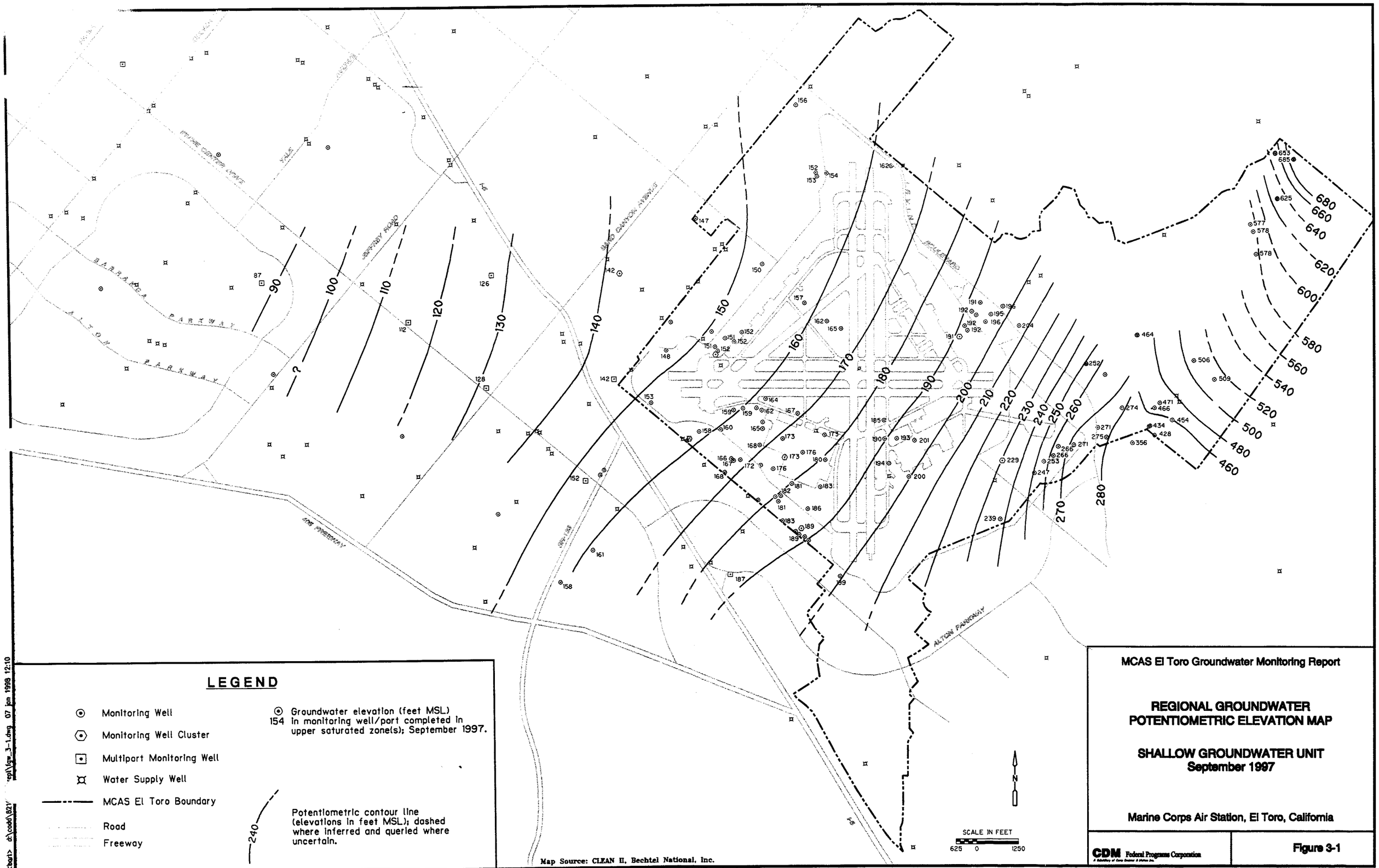
BARRANCA PARKWAY
ALTON PARKWAY
SAND CANYON AVENUE
JEFFREY ROAD
I-405 FREEWAY
90
100
110
120
130
140
150
160
170
180
190
200
210
220
230
240
250
260
270
280
460
480
500
520
540
560
580
600
620
640
660
680
N
SCALE IN FEET
625 0 1250
LEGEND
Monitoring Well
Monitoring Well Cluster
Multiport Monitoring Well
Water Supply Well
MCAS El Toro Boundary
Road
Freeway
Groundwater elevation (feet MSL) in monitoring well/port completed in upper saturated zone(s); September 1997.
154
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
September 1997
Marine Corps Air Station, El Toro, California
CDM Federal Programs Corporation
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 August through November 1997, the elevation of groundwater in the principal aquifer monitoring wells generally increased on the order of 3 to 15 feet. However, pronounced short-term fluctuations in water levels are evident in the deeper well monitoring data over the recent (1996-1997) monitoring period (Table B-1) most likely due to the effects of nearby pumping from water supply wells. As confirmed by the Orange County Water District 1997 records, active water production wells in the study area include wells 18_NLAKE, 18_ET1, 18_TIC55, 18_IRWD78, 18_TIC107, 18_TIC111, and 18_TIC113 (see Figure A-1, Appendix for locations).

A potentiometric elevation map for the principal aquifer in September 1997 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 0.009 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).

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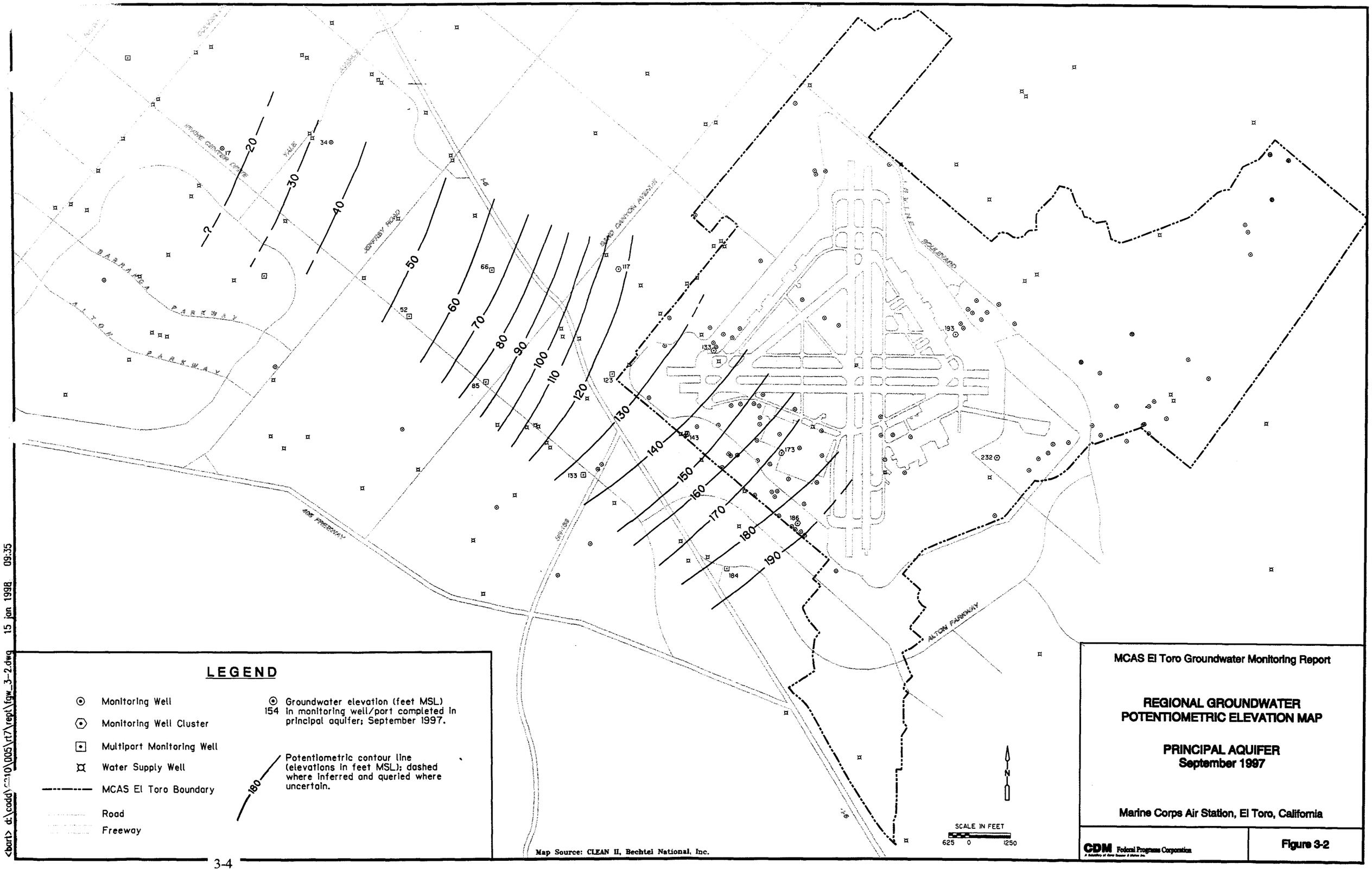

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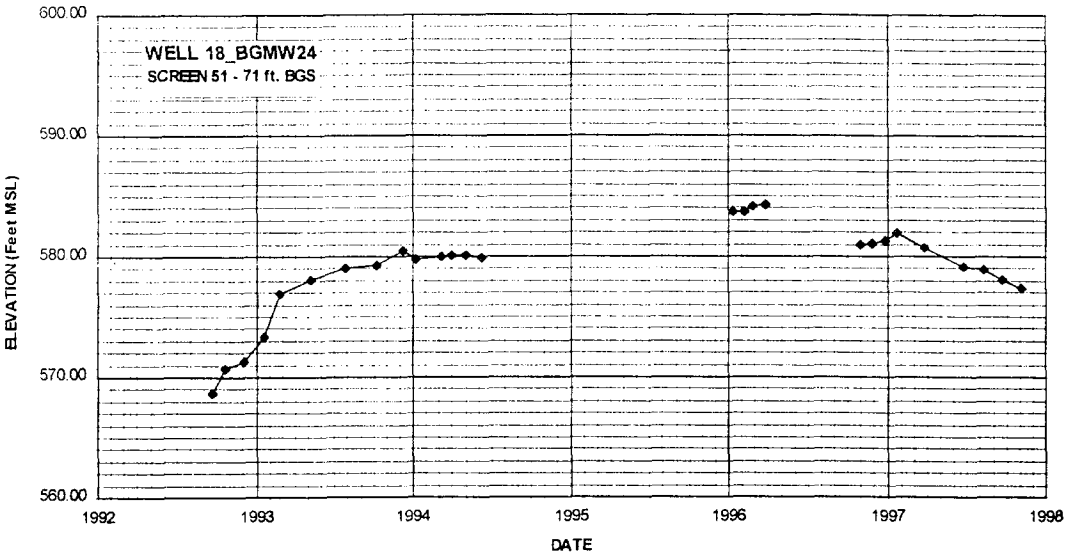
3.3 GROUNDWATER ELEVATION HYDROGRAPHS

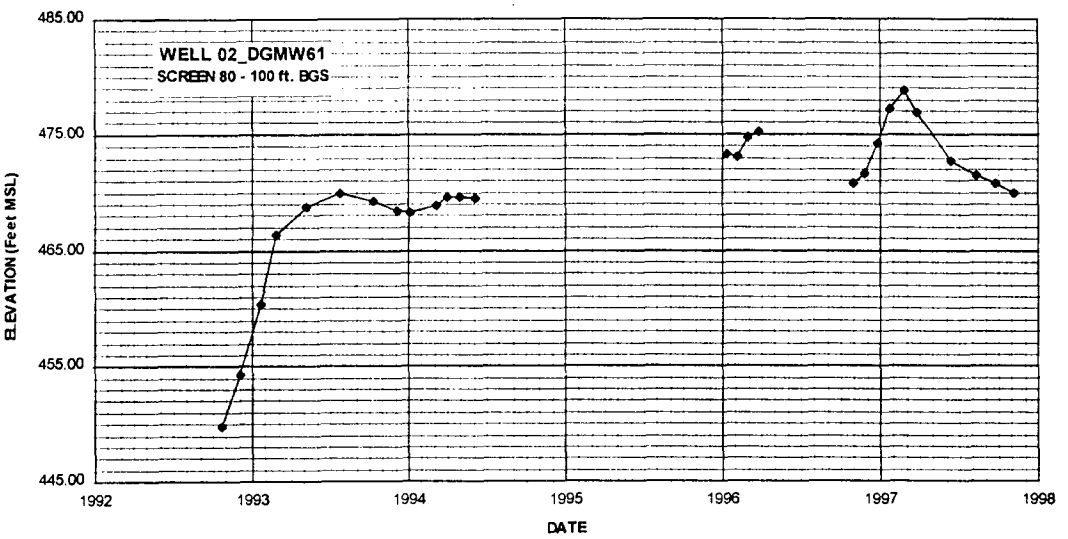
Groundwater elevation hydrographs for selected monitoring wells have been updated to illustrate regional groundwater conditions and general water level trends at MCAS El Toro.

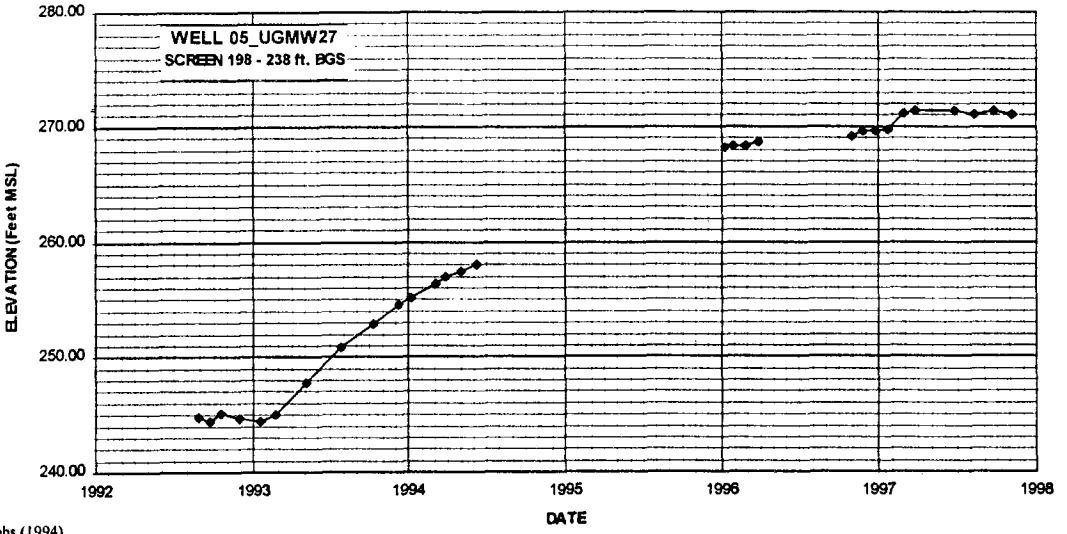
Upgradient Monitoring Wells. Figure 3-3 presents hydrographs for three wells located in the foothills/eastern portion of the Station. Wells 18_BGMW24 and 02_DGMW61 are completed in the shallow groundwater unit in the low-permeability sediments (bedrock zone unit). Well 05_UGMW27 is completed in the shallow groundwater unit in the unconsolidated alluvial sediments typical of the edge-of-basin areas. During the recent monitoring period (September-November 1997), the groundwater elevation at Well 05_UGMW27 has not changed, whereas a declining trend is indicated for the wells monitoring the bedrock saturated zone.

Monitoring Well Cluster. 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. Recent water levels indicate an overall increasing trend over the period January 1996 through November 1997 with a slight elevation decline in March 1997 and August 1997.

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 March 1997. During the recent monitoring period, groundwater elevation has not changed significantly in these wells. The water level measurements in Well 18_BGMW04B (intermediate depth completion) indicate fluctuations probably due to seasonal response to nearby pumping. According to Orange County Water District records, nearby production wells 18_TIC55 and 18_TIC111 (Figure A-1) are actively pumped during the spring through fall irrigation season.





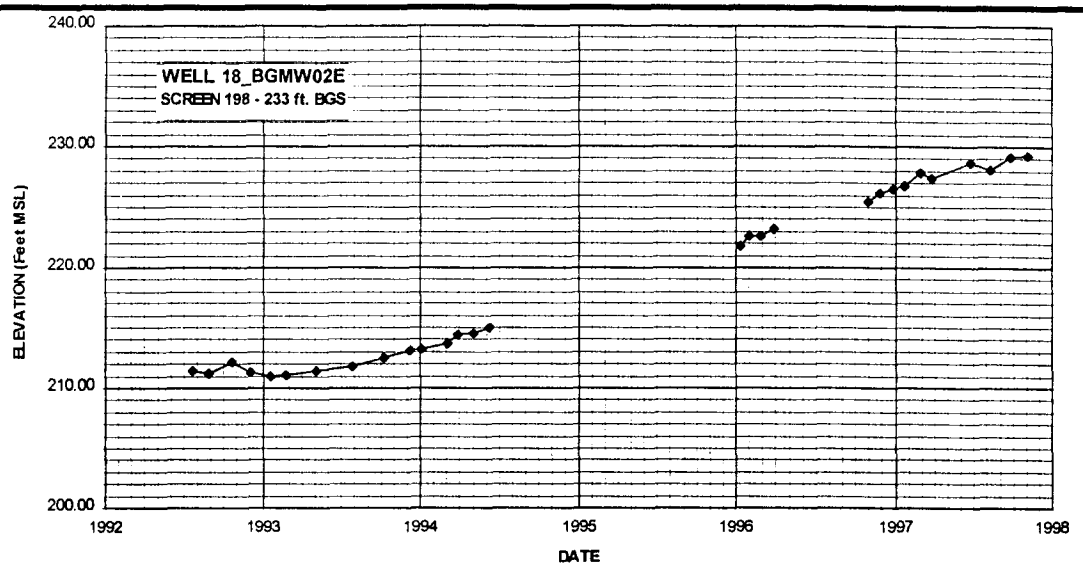


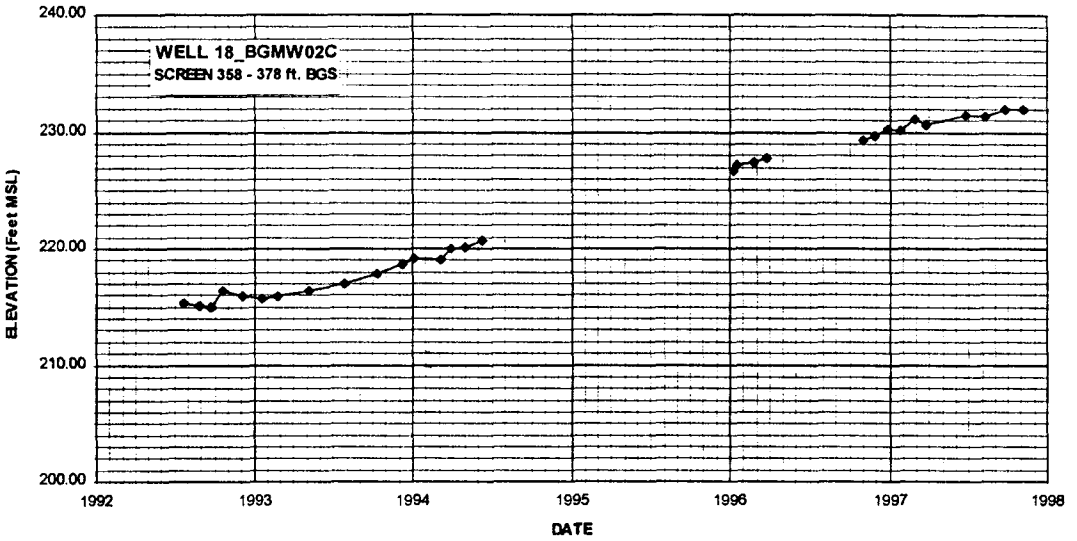
1992 - 1994 data from Jacobs (1994)

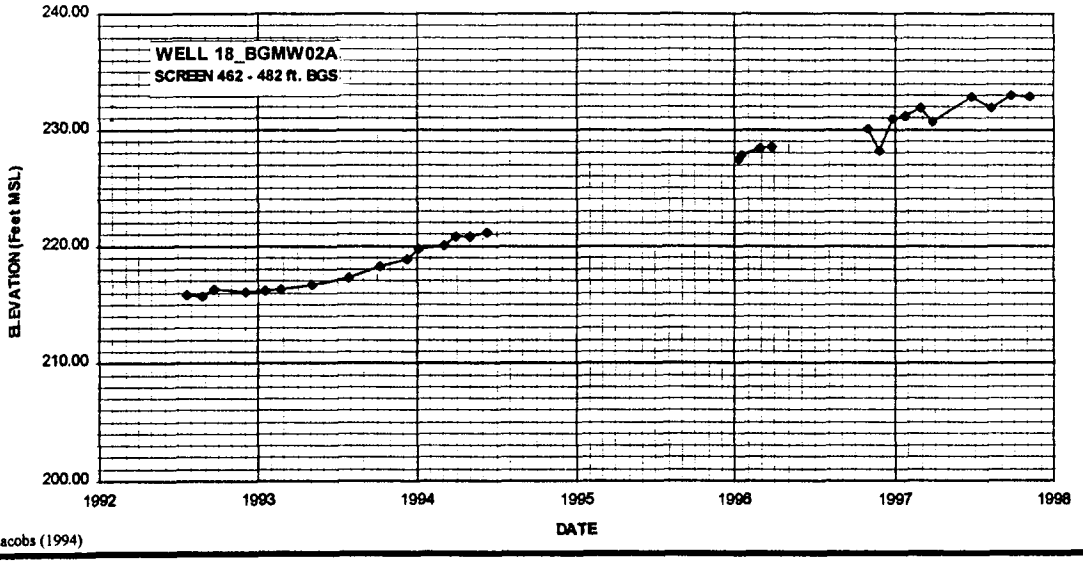
CDM FEDERAL PROGRAMS CORPORATION
a subsidiary of Camp Dresser & McKee Inc.

Groundwater Elevation Hydrographs
MCAS El Toro Upgradient Monitoring Wells

Figure 3-3





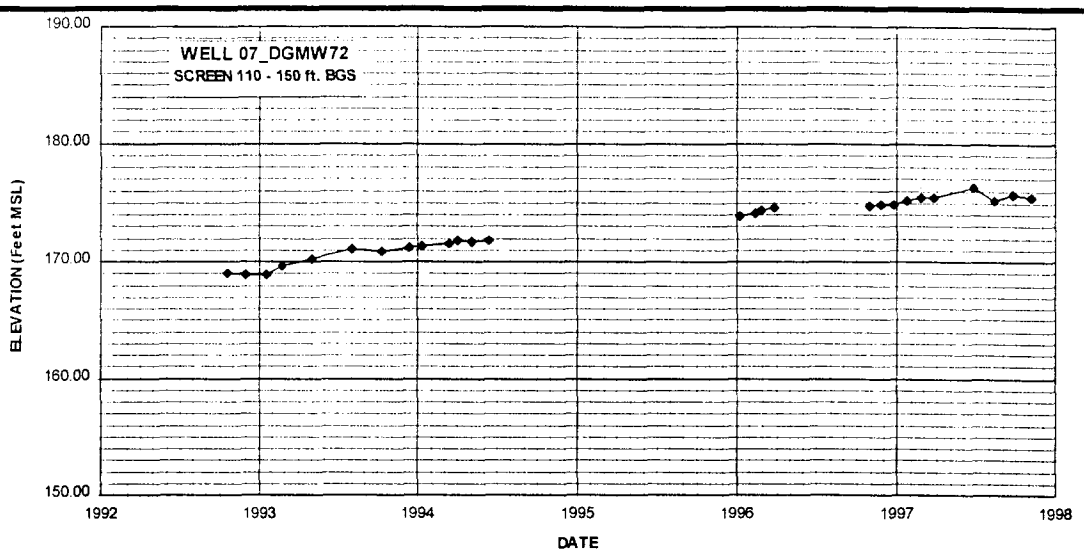


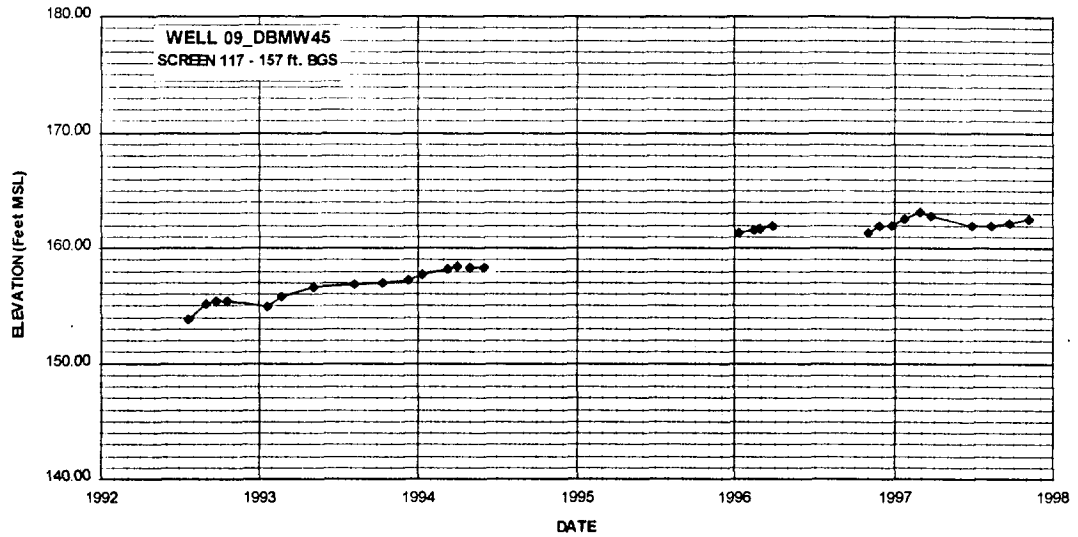
1992 - 1994 data from Jacobs (1994)

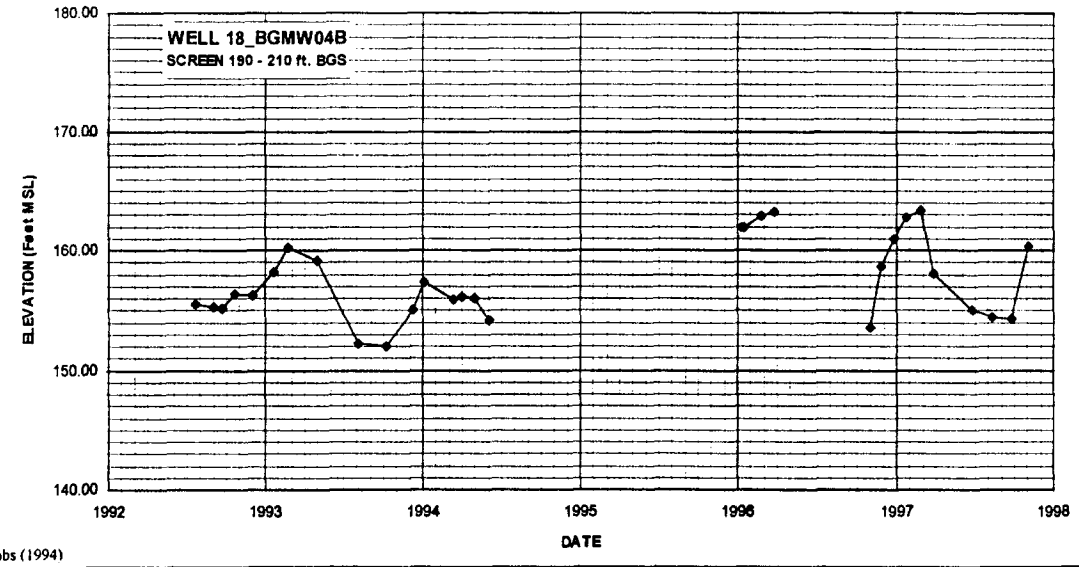
CDM FEDERAL PROGRAMS CORPORATION
a subsidiary of Camp Dresser & McKee Inc.

Groundwater Elevation Hydrographs
MCAS El Toro Monitoring Well Cluster 18_BGMW02

Figure 3-4







1992 - 1994 data from Jacobs (1994)

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

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

Figure 3-5

4.0 VOLATILE ORGANIC COMPOUND ANALYSES

During the October 1997 sampling round, groundwater samples were collected from 80 monitoring wells/monitoring ports in the MCAS El Toro GWMP and analyzed for volatile organic compounds (VOCs) included under the CLP Target Compound List (TCL). This section presents the results of VOC analyses from the current sampling round and briefly discusses the distribution of the primary VOCs of concern.

4.1 AREAS OF VOC CONTAMINATION

The primary contamination found in groundwater beneath MCAS El Toro consists of chlorinated VOCs: predominantly 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 are 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 October 1997 sampling round. Separate drawings have been prepared which present selected VOC groundwater results for monitoring wells/ports completed in the shallow groundwater unit (Figure 4-1, pocket plate) and the principal aquifer (Figure 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 detected in the shallow groundwater unit during the current sampling round are presented in Figure 4-1. TCE was detected above the contract-required quantitation limit (CRQL) of 1.0 microgram per liter (μg/L) in groundwater samples collected from 37 of the 66 shallow groundwater wells/ports selected for sampling during Round 7. 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 09_DBMW45 (1,800 μg/L), Well 22_DBMW47 (770 μg/L), Well 24NEW4 (620 μg/L), and Well 09_DBMW75 (480 μg/L). In off-Station monitoring ports/wells, the maximum TCE concentration was detected in the shallow groundwater unit at 18_MCAS03-2 (72 μg/L) (Figure 4-1).

TCE in the shallow groundwater unit was detected above the CRQL of 1.0 μg/L in one area outside of the regional VOC plume. At Site 2 (Magazine Road landfill), TCE was found in groundwater samples collected at Well 02_DGMW60 (190 μg/L) and Well 02NEW13 (80 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. Fourteen of the principal aquifer/deep zone monitoring wells/ports in the MCAS El Toro GWMP were sampled for VOCs during Round 7. TCE was detected above the CRQL of 1.0 μg/L in groundwater samples collected from nine wells and ports sampled during Round 7. Figure 4-2 also indicates the inferred isoconcentration 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 (40 μg/L, 2 ports), 18_MCAS01 (24 and 21 μg/L), and 18_MCAS02 (16 and 12 μg/L). TCE was also detected in downgradient monitoring wells 18_MCAS06 (3 μg/L), and 18_MCAS04 (2 μg/L). The current TCE results for the principal aquifer monitoring wells/ports are comparable to sampling results reported for July 1997 (see Table 4-1).

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 (OCWD, 1997). In the off-Station downgradient area, TCE is primarily detected in the intermediate depth monitoring ports completed in the principal aquifer up to a maximum concentration of 40 μg/L (MP sampling ports 18_MCAS07-3 and 18_MCAS07-4).

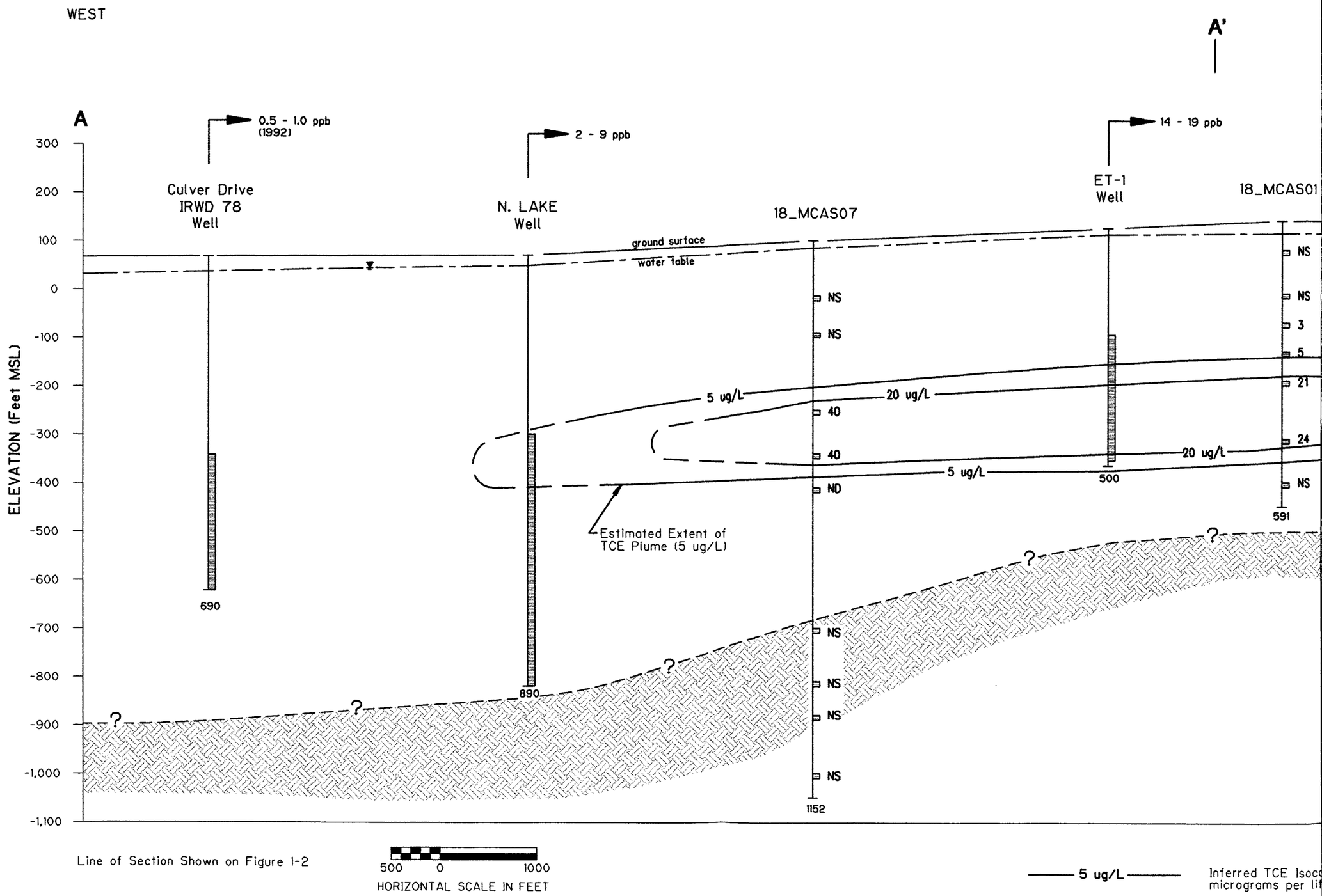
4.3 TETRACHLOROETHENE (PCE)

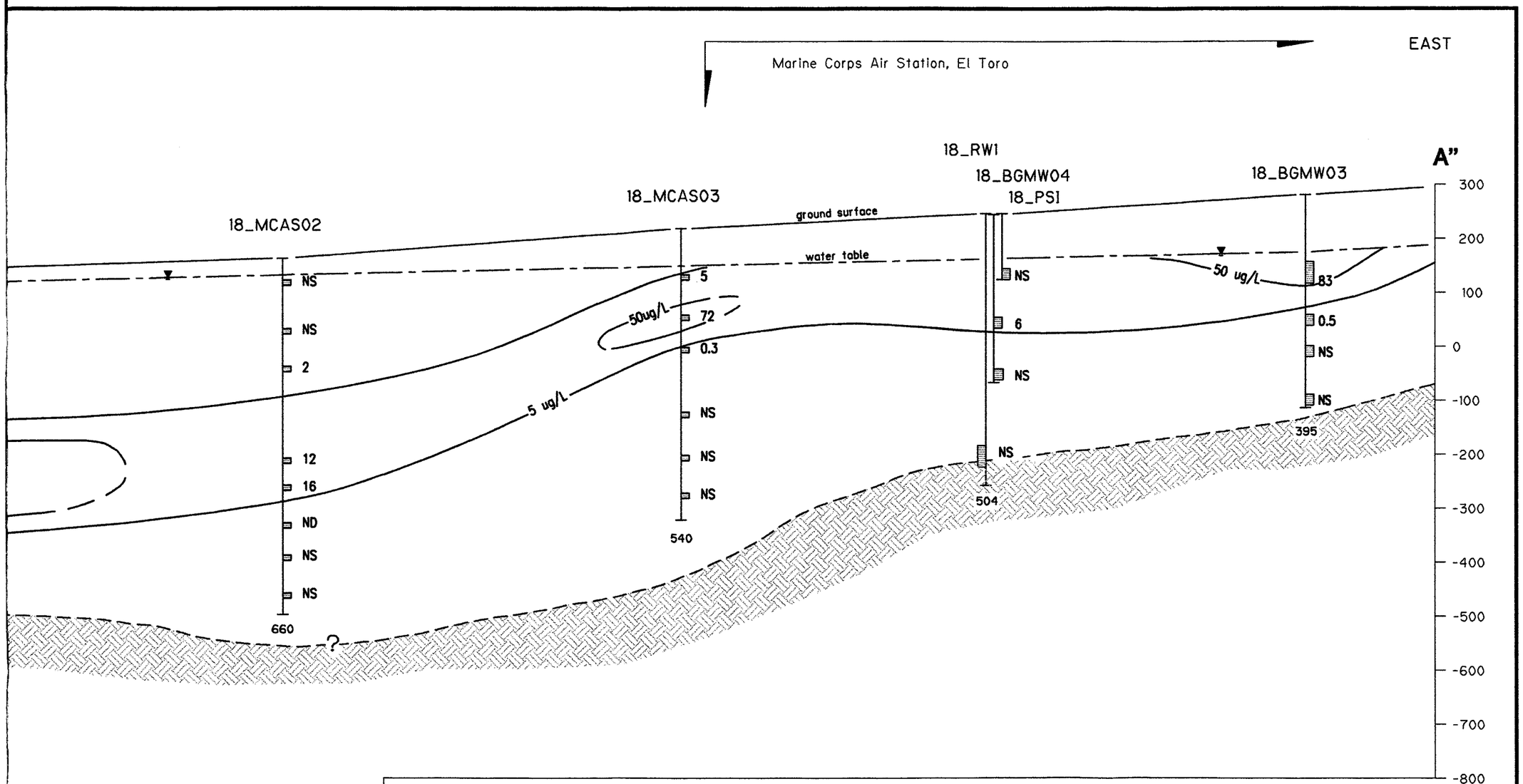
PCE was detected at low concentrations in groundwater samples collected at 17 of the 66 shallow groundwater wells during the current sampling round (see table in Figure 4-1). The highest detected PCE concentrations in the VOC source area include Well 24NEW6 (16 μg/L), Well 18_PS6 (14 μg/L), and Well_18 BGMW05D (12 μg/L). PCE was detected in samples collected from two monitoring wells at Site 2: 02_DGMW61 (11 μg/L) and 02NEW8A (12 μg/L).

PCE was not detected above the CRQL of 1.0 μg/L in any of the 14 principal aquifer wells sampled during the current Round 7.

4.4 CARBON TETRACHLORIDE

Carbon tetrachloride was detected above the CRQL of 1.0 μg/L in samples collected from eight monitoring wells completed in the shallow groundwater unit (Figure 4-1). The highest concentrations of CCl_4 were found at Well 18_DW135 (15 μg/L) and Well 14_DBMW50 (10 μg/L). During the current sampling round, carbon tetrachloride was not detected in any


WEST
A
A'
0.5 - 1.0 ppb (1992)
2 - 9 ppb
14 - 19 ppb
Culver Drive IRWD 78 Well
N. LAKE Well
18_MCAS07
ET-1 Well
18_MCAS01
ground surface
water table
ELEVATION (Feet MSL)
300
200
100
0
-100
-200
-300
-400
-500
-600
-700
-800
-900
-1,000
-1,100
NS
NS
40
40
ND
NS
NS
NS
NS
NS
NS
3
5
21
24
NS
5 ug/L
20 ug/L
20 ug/L
5 ug/L
690
890
1152
500
591
Estimated Extent of TCE Plume (5 ug/L)
Line of Section Shown on Figure 1-2
500 0 1000
HORIZONTAL SCALE IN FEET
5 ug/L
Inferred TCE Isoco
micrograms per lit



EXPLANATION

2 - 9 ppb — Representative extracted TCE concentration in water supply well (1996-97) ppb = parts per billion (or ug/L) (Orange Co. Water District, 1997)

Potentiometric surface Upper saturated zone (water table) June 1997

Screen interval of monitoring well/monitoring port

34 — TCE concentration, ug/L (October 1997) ND = not detected NS = not sampled Round 7

660 — Total depth of monitoring well, feet BGS

Semiconsolidated low-permeability sediments

centration Contour (ug/L)

Marine Corps Air Station, El Toro, California

TCE CONCENTRATIONS IN GROUNDWATER

Regional Section A-A"

October 1997

MCAS El Toro Groundwater Monitoring Report

CDM Federal Programs Corporation
A Subsidiary of Camp Dresser & McKee Inc.

Figure 4-3

groundwater samples collected from monitoring wells or ports completed in the principal aquifer (see table in Figure 4-2).

4.5 BENZENE AND FUEL HYDROCARBONS

Benzene was detected above the CRQL of 1.0 μg/L in groundwater samples collected at two of the 80 wells sampled for VOCs during Round 7: Well 04_DBMW40 (2 μg/L) and Well 15_DBMW51 (2 μg/L). The associated aromatic hydrocarbons, toluene, ethylbenzene, and xylenes were not detected above the CRQL in the wells sampled.

In accordance with Navy's SOW, no samples for total petroleum hydrocarbons (TPH) were collected during Round 7. For reference, Table 4-2 lists the results of TPH analyses performed during prior sampling Rounds 4 and 5.

4.6 ADDITIONAL VOC SAMPLING RESULTS

For the October 1997 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 not detected above the CRQL of 10.0 μg/L in groundwater samples collected during Round 7. However, Freon 113 was detected below the CRQL (estimated concentrations) in wells 22_DBMW47 (8 μg/L), 09_ DBMW45 (7 μg/L), and 09_DGMW75 (7 μg/L).

1,2-DCE (total) was detected at or above the CRQL of 1.0 μg/L in groundwater samples collected at eight of the monitoring wells/ports sampled during Round 7. The highest concentrations of 1,2-DCE (total) were found at wells 02_DGMW60 (22 μg/L), 02NEW13 (10 μg/L), and 18_MCAS07-4 (9 μg/L).

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
		4-Mar-97		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
		20-Mar-97		ND		ND	none
16_DGMW81	176 - 216	8-Jan-97		ND		ND	none
		5-Mar-97		ND		ND	none
18_BGMW01A	466 - 486	8-Nov-96	70		390		Benzene (18 ug/L), Ethylbenzene (1 ug/L)
		14-Mar-97		ND		ND	Benzene (5 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
		13-Mar-97		ND		ND	none
18_BGMW02E	198 - 233	1-Nov-96		ND		ND	none
		27-Mar-97		ND		ND	none
18_BGMW03B	280 - 300	7-Nov-96		ND		ND	none
		21-Mar-97		ND		ND	none
18_BGMW03E	124 - 164	2-Nov-96		ND		ND	none
		18-Mar-97		ND		ND	none
		18-Mar-97		ND		ND	none
18_BGMW05A	462 - 482	9-Jan-97		ND		ND	none
		27-Mar-97		ND		ND	none
18_BGMW05D	83 - 133	4-Dec-96		ND		ND	none
		19-Mar-97		ND		ND	none

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
18_BGMW12	165 - 205	25-Nov-96		ND		ND	none
		20-Mar-97		ND		ND	none
18_BGMW16	223 - 263	14-Nov-96		ND		ND	none
		26-Mar-97		ND		ND	none
18_BGMW18	140 - 180	9-Jan-97		ND		ND	none
18_BGMW22	247 -287	14-Nov-96		ND		ND	none
		20-Mar-97		ND		ND	none
18_BGMW19B	400 - 420	4-Nov-96		ND		ND	none
		10-Mar-97		ND		ND	none
18_BGMW19E	98 - 138	20-Nov-96		ND		ND	none
		20-Mar-97		ND		ND	none
18_DW250	215 - 250	5-Nov-96		ND		ND	none
		7-Mar-97		ND		ND	none
18_DW350	310 - 350	6-Nov-96		ND		ND	none
		6-Mar-97		ND		ND	none
18_DW450	420 - 460	5-Nov-96		ND		ND	none
		6-Mar-97		ND		ND	none
18_PS5	106 - 126	11-Nov-96		ND		ND	none
		17-Mar-97		ND		ND	none
		17-Mar-97		ND		ND	none
20_UGMW36	183 - 223	14-Nov-96		ND		ND	none
		27-Mar-97		ND		ND	none

EXPLANATION

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

BTEX = benzene, toluene, ethylbenzene, and xylenes

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

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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		
		25-Mar-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		
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		
		13-Mar-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		
01MW101[1]	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	0.9	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
		13-Mar-97	0.9 J	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
		11-Jul-97	2.0	19.0	2.0	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		
		11-Jul-97	2.0	16.0	2.0	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		
		12-Sep-97	1.0 U	0.4 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	1.0 U		
		12-Sep-97	1.0 U	0.5 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	1.0 U		
		23-Oct-97	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	0.4 J		
		31-Oct-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	0.9 J	METHYLENE CHLORIDE	0.6 J
															1,2-DICHLOROETHANE	0.5 J
01MW102[1]	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	0.9	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		
		13-Mar-97	0.8 J	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	BROMODICHLOROMETHANE	0.7 J
															CHLORODIBROMOMETHANE	0.6 J
		9-Jul-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	1,2-DICHLOROPROPANE	4.0
		12-Sep-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	1.0 U		
		12-Sep-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	1.0 U		
		23-Oct-97	1.0 U	1.0 U	1.0 U	1.0 U	0.4 J	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 J	1,2-DICHLOROETHANE	2.0
		31-Oct-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	1,2-DICHLOROETHANE	1.0
01MW201[1]	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		
		13-Mar-97	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		
		9-Jul-97	1.0 U	13.0	1.0	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		
		12-Sep-97	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U		
		12-Sep-97	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	0.4 J	1.0 U	1.0 U	1.0 U	1.0 U		
		23-Oct-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	1,2-DICHLOROETHANE	0.4 J
		31-Oct-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		

Footnote [1]: The reported detections of TCE, PCE, and CCl_4 in samples collected from wells 01MW101, 01MW102, and 01MW201 during Nov-96, Mar-97, and Jul-97 are artifacts of the specific sampling procedure used and are not representative of groundwater quality at these sampling locations.

Refer to Section 9.4 for discussion of sampling results.

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			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	Concent.
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		
		26-Mar-97 *	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	BROMODICHLOROMETHANE	0.6 J
															CHLORODIBROMOMETHANE	0.7 J
															METHYLENE CHLORIDE	2.0
		3-Jul-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		
		27-Oct-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	0.4 J
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	91.0	4.6 J	0.5 U	0.5 U	8.0 J	5.6 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1,2-DICHLOROETHANE	0.8 J
															1,1,2 TRICHLOROETHANE	1.7 J
		28-Nov-95	81.0	4.0 J	6.0 U	2.0 U	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
		26-Mar-97 *	150.0	5.0 J	10.0 U	10.0 U	10.0	10.0	100.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U	1,1,2-TRICHLOROETHANE	5.0 J
															CHLORODIBROMOMETHANE	5.0 J
		1-Jul-97 *	160.0	5.0	1.0 U	1.0 U	18.0	18.0	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
															BROMOMETHANE	0.7 J
		28-Oct-97 *	190.0	6.0	1.0 U	1.0 U	21.0	20.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1,1,2-TRICHLOROETHANE	7.0
															1,2-DICHLOROETHANE	2.0
															METHYLENE CHLORIDE	0.4 JB
		28-Oct-97 *	190.0	6.0	1.0 U	1.0 U	22.0	21.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1,1,2-TRICHLOROETHANE	7.0
															1,2-DICHLOROETHANE	2.0
															1,2-DICHLOROPROPANE	0.3 J
															METHYLENE CHLORIDE	0.4 JB
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		
		26-Mar-97 *	0.8 J	12.0	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		
		2-Jul-97 *	1.0 U	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		
		28-Oct-97 *	0.9 J	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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~ All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
02NEW1	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		
		27-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		
		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		
		1-Jul-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		
		28-Oct-97 *	0.4 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	0.4 J
02NEW2	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		
		26-Mar-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		
		3-Jul-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		
		27-Oct-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	0.4 J
02NEW3	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		
		24-Mar-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		
		2-Jul-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		
		23-Oct-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	0.3 J
02NEW6	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		
		24-Mar-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		
		2-Jul-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		
		23-Oct-97 *	1.0 U	0.5 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	0.4 J	METHYLENE CHLORIDE	0.3 J
02NEW7	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
		20-Mar-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	0.5 J	1.0 U	1.0 U	10.0 U		
		11-Jul-97 *	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	1,2-DICHLOROPROPANE	3.0
		22-Oct-97 *	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.3 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1,2-DICHLOROPROPANE	0.5 J
															METHYLENE CHLORIDE	0.3 JB
02NEW8A	104	27-Dec-95	1.0 U	16.0	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		
		25-Mar-97 *	1.0 U	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		
		2-Jul-97 *	1.0 U	12.0	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		
		27-Oct-97 *	0.6 J	12.0	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		
02NEW11	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		
		25-Mar-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		
		8-Jul-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		
		23-Oct-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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~ All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
02NEW12	249	28-Dec-95	2.0 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		
		25-Mar-97 *	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		
		30-Jun-97 *	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		
		23-Oct-97 *	1.0	1.0	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		
02NEW13	100	5-Dec-96	62.0	8.0	1.0 U	1.0 U	5.0	5.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	3.0
															1,2-DICHLOROETHANE	2.0
															1,1,2-TRICHLOROETHANE	2.0
		28-Oct-97	80.0 D	5.0	1.0 U	1.0 U	10.0	9.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1,1,2-TRICHLOROETHANE	3.0
															1,2-DICHLOROETHANE	2.0
															METHYLENE CHLORIDE	0.3 JB
02NEW14	105	5-Dec-96	3.0	8.0	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
		26-Mar-97	1.0 U	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		
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		
		26-Mar-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		
		2-Jul-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		
		27-Oct-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		
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		
		17-Mar-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		
		17-Mar-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		
		8-Jul-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		
		20-Oct-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		
		20-Oct-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		
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		
		4-Mar-97	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	METHYLENE CHLORIDE	3.0
		30-Jun-97	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		
		16-Oct-97	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		

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MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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		
		4-Mar-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
		30-Jun-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		
		15-Oct-97	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	METHYLENE CHLORIDE	0.6 J
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		
		6-Mar-97	1.0 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		
		1-Jul-97	0.8 J	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		
		17-Oct-97	0.9 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	METHYLENE CHLORIDE	0.3 J
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		
		5-Mar-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
		30-Jun-97	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	14.0	1.0 U	1.0 U	3.0	10.0 U	BROMOMETHANE	9.0 J
		16-Oct-97	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	10.0 U	METHYLENE CHLORIDE	0.6 J
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		
		4-Mar-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		
		1-Jul-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		
		15-Oct-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		
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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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
		13-Mar-97	1.0 U	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		
		8-Jul-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		
		21-Oct-97 *	1.0 U	0.5 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		
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
		14-Mar-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		
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		
		5-Mar-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
		1-Jul-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		
		17-Oct-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		
05NEW1	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
		13-Mar-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		
		9-Jul-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		
		9-Jul-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		
		21-Oct-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	ACETONE	0.4 JB
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		
		13-Mar-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
		9-Jul-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		
		9-Jul-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		
		21-Oct-97	1.0 U	0.5 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		
		21-Oct-97	1.0 U	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	ACETONE	0.5 JB
															METHYLENE CHLORIDE	0.3 J

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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		
		12-Mar-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		
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
		12-Mar-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		
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		
		7-Mar-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
		3-Jul-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		
		22-Oct-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	0.3 JB
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		
		20-Mar-97	1.0	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		
		20-Mar-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		
		10-Jul-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		
		22-Oct-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	0.3 JB
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
		20-Mar-97	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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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
		20-Mar-97	91.0	3.0 U	3.0 U	3.0 U	3.0 U	3.0 J	30.0 U	3.0 U	3.0 U	3.0 U	3.0 U	30.0 U		
07_DGMW91	150	18-Dec-92	48.0	3.0	2.0	1.0 U	1.0 U	3.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		21-Jul-93	55.0	4.0	2.0	1.0 U	1.0 U	4.0	2.0	1.0 U	1.0 U	1.0 U	1.0 U			
		8-Feb-96	62.0	4.0	2.0	1.0 U	1.0 U	3.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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		
		24-Mar-97	88.0	5.0	2.0	1.0 U	0.9 J	3.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		9-Jul-97	75.0	8.0	2.0	1.0 U	0.7 J	3.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		22-Oct-97	71.0 D	0.8 J	1.0 U	1.0 U	1.0 U	0.6 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	ACETONE	2.0 J
															METHYLENE CHLORIDE	2.0
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		
		20-Mar-97	39.0	6.0	1.0 U	1.0 U	1.0	3.0	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		
		19-Mar-97	81.0	3.0 U	3.0 U	3.0 U	3.0 U	4.0	30.0 U	3.0 U	3.0 U	3.0 U	3.0 U	30.0 U		
		19-Mar-97	74.0	3.0 U	3.0 U	3.0 U	3.0 U	4.0	30.0 U	3.0 U	3.0 U	3.0 U	3.0 U	30.0 U		
		7-Jul-97	79.0	0.8 J	1.0	1.0 U	0.7 J	4.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		27-Oct-97	63.0 D	2.0	0.9 J	0.9 U	2.0	4.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1,2-DICHLOROETHANE	2.0
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		
		12-Mar-97	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		
		7-Jul-97	7.0	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		
		24-Oct-97	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	0.4 J	METHYLENE CHLORIDE	0.3 J

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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-TETRACHLOROETHAN	0.8 J
															1,2-DICHLOROETHANE	1.0
															BROMODICHLOROMETHANE	0.9 J
															CHLOROBENZENE	2.0 J
															CHLORODIBROMOMETHANE	0.9 J
															METHYLENE CHLORIDE	2.0
		24-Mar-97	1450.0	5.0	3.0	7.0	1.0 U	2.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 J		
		8-Jul-97	1400.0	5.0	4.0	7.0	1.0 U	2.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	7.0 J		
		8-Jul-97	1500.0	5.0	4.0	1.0 U	1.0 U	2.0	500.0 U	1.0 U	1.0 U	1.0 U	1.0 U	7.0 J		
		22-Oct-97	1800.0	6.0	4.0	8.0	0.6 J	2.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	7.0 J	ACETONE	160.0 JBD
															METHYLENE CHLORIDE	47.0 JBD
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		
		25-Mar-97	483.0	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	200.0 U	20.0 U	20.0 U	20.0 U	20.0 U	200.0 U	METHYLENE CHLORIDE	210.0
		8-Jul-97	450.0	5.0	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	6.0 J		
		8-Jul-97	430.0	5.0	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	6.0 J		
		23-Oct-97	390.0 E	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	7.0 J		
		23-Oct-97	480.0 D	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	250.0 U	25.0 U	25.0 U	25.0 U	25.0 U	250.0 U		
10_DGMW77	170	17-Nov-92	35.0 E	8.0	2.0	0.6 J	1.0 U	1.0	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U			
		13-Aug-93	61.0 D	3.0	3.0	1.0 U	1.0 U	2.0	2.0 U	0.7 J	1.0 U	1.0 U	1.0 U			
		14-Feb-96	57.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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		
		24-Mar-97	107.0	1.0	1.0	0.9 J	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
		10-Jul-97	100.0	1.0 U	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		
		28-Oct-97	74.0 D	1.0	1.0	0.5 J	1.0 U	1.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	0.5 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	0.6 J	1.0 U	1.0 U	1.0 U	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U			
		16-Feb-96	19.0	7.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	8.0	1.0 U	1.0 U	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		
		17-Mar-97	10.0 U	10.0	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U	10.0 U	10.0 U	10.0 U	10.0 U	140.0	METHYLENE CHLORIDE	10.0
		17-Mar-97	10.0 U	10.0	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U	10.0 U	10.0 U	10.0 U	10.0 U	140.0	METHYLENE CHLORIDE	21.0

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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
		25-Mar-97	22.0	4.0	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		
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		
		19-Mar-97 *	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	0.8 J	1.0 U	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	2.0
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
		19-Mar-97 *	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	1,2-DICHLOROETHANE	2.0
		9-Jul-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	2-HEXANONE	8.0 J
		21-Oct-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	1,2-DICHLOROETHANE	0.9 J
															METHYLENE CHLORIDE	0.4 J
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		
		10-Mar-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		
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		
		17-Mar-97 *	3.0	1.0 U	7.0	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		
		17-Mar-97 *	4.0	1.0 U	7.0	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		
		9-Jul-97 *	1.0 U	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		
		21-Oct-97 *	2.0	1.0 U	10.0	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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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		
		17-Mar-97 *	1.0	1.0 U	5.0	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		
		17-Mar-97 *	1.0	1.0 U	5.0	1.0 U	1.0 U	8.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	1.0
		9-Jul-97 *	1.0 U	1.0 U	3.0	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		
		21-Oct-97 *	2.0	1.0 U	7.0	1.0 U	1.0 U	11.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	ACETONE	0.8 JB
															METHYLENE CHLORIDE	0.6 J
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
		25-Mar-97	8.0	0.5 J	1.0 U	1.0 U	1.0 U	0.9 J	10.0 U	5.0	1.0 U	1.0 U	1.0	10.0 U	BROMODICHLOROMETHANE	0.7 J
															CHLORODIBROMOMETHANE	0.6 J
		2-Jul-97	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	2.0	1.0 U	1.0 U	1.0 U	10.0 U	BROMOMETHANE	10.0
		2-Jul-97	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 J	2.0	1.0 U	1.0 U	1.0 U	10.0 U	BROMOMETHANE	11.0
															METHYLENE CHLORIDE	2.0
		28-Oct-97	0.4 J	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	10.0 U		
		28-Oct-97	0.4 J	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	10.0 U		
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
		19-Mar-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	7.0 J		
		11-Jul-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	4.0 J		
		22-Oct-97 *	0.5 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	8.0 J	1,1,2,2-TETRACHLOROETHAN	0.3 J
															4-METHYL-2-PENTANONE (MIB	0.4 J
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
		5-Mar-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		
		2-Jul-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
															BROMOMETHANE	2.0 J
		27-Oct-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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			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	Concent
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		
		19-Mar-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		
		10-Jul-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		
		22-Oct-97 *	0.5 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		
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		
		1-Apr-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		
17NEW1	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		
		24-Mar-97 *	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		
		30-Jun-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	7.0	10.0 U	ETHYLBENZENE	1.0
		23-Oct-97 *	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		
17NEW2	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		
		24-Mar-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		
		30-Jun-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		
		23-Oct-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	0.4 J
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		
		10-Mar-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_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		
		10-Mar-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		

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MCAS El Toro Groundwater Monitoring Program

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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		
		10-Mar-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_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		
		10-Mar-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_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		
		10-Mar-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_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		
		6-Mar-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_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		
		10-Mar-97	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	METHYLENE CHLORIDE	1.0
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		
		10-Mar-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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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
		10-Mar-97	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	METHYLENE CHLORIDE	0.6 J
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-Mar-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	STYRENE	0.5 J
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-Mar-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
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-Mar-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_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-Mar-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_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-Mar-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_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-Mar-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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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
		20-Mar-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	STYRENE	0.9 J
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		
		20-Mar-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_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		
		20-Mar-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	STYRENE	0.7 J
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
		20-Mar-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_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
		24-Mar-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_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		
		24-Mar-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_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		
		14-Mar-97	0.6 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	5.0	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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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		
		11-Mar-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_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
		11-Mar-97	1.0 U	1.0 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	1,2-DICHLOROPROPANE	0.8 J
															METHYLENE CHLORIDE	1.0
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		
		10-Mar-97	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	8.0	1.0 U	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	0.9 J
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		
		27-Mar-97	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50.0 U	90.0	5.0 U	15.0	5.0 U	50.0 U	METHYLENE CHLORIDE	6.0
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
		13-Mar-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
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
		11-Mar-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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~ All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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		
		13-Mar-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_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		
		27-Mar-97	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		
		21-Mar-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_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		
		21-Mar-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_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		
		21-Mar-97	0.5 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		
		8-Jul-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		
		17-Oct-97	0.5 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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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-Mar-97 *	123.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50.0 U		
		18-Mar-97 *	122.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50.0 U		
		8-Jul-97 *	330.0	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U		
		22-Oct-97 *	83.0 D	0.4 J	1.0 U	0.5 J	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	1,1-DICHLOROETHENE	0.5 J
															4-METHYL-2-PENTANONE	0.4 J
															METHYLENE CHLORIDE	0.5 J
		22-Oct-97 *	83.0 D	0.4 J	1.0 U	0.5 J	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 J	1,1-DICHLOROETHENE	0.5 J
															4-METHYL-2-PENTANONE	0.4 J
															METHYLENE CHLORIDE	1.0
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		
		17-Mar-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	7.0
		17-Mar-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	6.0
18_BGMW04B	210	15-Jun-92	5.0	5.0	1.0 U	1.0 U	1.0	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		29-Sep-92	14.0	11.0	1.0 U	1.0 U	2.0	0.5 J	2.0 J	1.0 U	1.0 U	1.0 U	1.0 U			
		13-Jul-93	8.0	6.0	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		19-Jan-96	4.0	3.0	1.0 U	1.0 U	1.0 U	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-TETRACHLOROETHAN	1.0 J
															CHLOROBENZENE	0.6 J
															CHLORODIBROMOMETHANE	0.7 J
		18-Mar-97	4.0	4.0	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-Mar-97	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		
		9-Jul-97	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		
		20-Oct-97	6.0	6.0	1.0 U	1.0 U	0.7 J	1.0 U	10.0 U	1.0 U	0.4 J	1.0 U	1.0 U	10.0 U		
18_BGMW05A	482	7-Sep-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		METHYLENE CHLORIDE	0.5 J
		15-Dec-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	15.0	1.0 U	1.0		CARBON DISULFIDE	8.0
		7-Aug-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	6.0	1.0 J	4.0		4-METHYL-2-PENTANONE	2.0 J
															CARBON DISULFIDE	4.0
		26-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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
		27-Mar-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	STYRENE	2.0 J

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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-96	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-Mar-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		
		19-Mar-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-96	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
		19-Mar-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_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
		19-Mar-97	15.0	11.0	1.0 U	1.0 U	0.8 J	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		7-Jul-97	20.0	12.0	1.0 U	1.0 U	0.8 J	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		27-Oct-97	13.0	12.0	1.0 U	1.0 U	1.0	0.4 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1,2-DICHLOROETHANE	2.0
															METHYLENE CHLORIDE	0.4 JB
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		
		24-Mar-97 *	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_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
		20-Mar-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_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-Mar-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-Mar-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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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-Mar-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_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		
		26-Mar-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_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		
		14-Mar-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_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
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
		10-Mar-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_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		
		10-Mar-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_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		
		10-Mar-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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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		
		10-Mar-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_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
		20-Mar-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_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-TETRACHLOROETHAN	1.7 J
															1,2-DICHLOROETHANE	0.8 J
															BROMODICHLOROMETHANE	1.0
															BROMOFORM	1.0
															CHLOROBENZENE	1.0 J
															CHLORODIBROMOMETHANE	1.0
		20-Mar-97	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		
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
		18-Mar-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-Mar-97	0.5 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		
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		
		25-Mar-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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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-Mar-97	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-Mar-97	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		
		9-Jul-97	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		
		20-Oct-97	19.0	1.0 U	1.0 U	1.0 U	0.4 J	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
		7-Mar-97	23.0	1.0 U	13.0	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		
		7-Jul-97	27.0	1.0 U	15.0	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		
		24-Oct-97	30.0	1.0 U	15.0	0.6 J	1.0 U	1.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
18_DW250	250	15-Jul-88	0.5 U	0.5 U	8.0		0.5 U	0.5 U			0.5 U	0.5 U				
		22-Sep-88	0.5 U	0.5 U	15.0		0.5 U	0.5 U			0.5 U	0.5 U				
		20-Jan-89	0.5 U	0.5 U	3.1		0.5 U	0.5 U			0.5 U	0.5 U				
		21-Dec-92	1.0 U	1.0 U	7.0	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		7-Jun-93	1.0	1.0 U	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
		7-Mar-97	1.0 U	1.0 U	1.0	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		
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		
		6-Mar-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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
18_DW450	450	15-Jul-88	0.1	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		22-Sep-88	2.5	0.5 U	0.5 U		0.5 U	0.3			0.5 U	0.5 U				
		20-Jan-89	0.2	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		30-Jun-93	1.0 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		1-Dec-93	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		29-Jan-96	4.0	1.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	4.0	1.0 U	1.0 U	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		
		6-Mar-97	4.0	2.0	1.0 U	1.0 U	0.8 J	0.5 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
18_DW540	540	15-Jul-88	0.4	0.5 U	0.5 U		0.5 U	0.1			0.5 U	0.5 U				
		22-Sep-88	0.3	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		21-Jan-89	0.4	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		7-Jan-93	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		2-HEXANONE	1.0 J
		13-Jan-93	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		30-Jan-96	4.0	1.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	11.0	1.0 U	1.0 U	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		
		6-Mar-97	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		
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	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			
		27-Jul-94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		12-Jun-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		13-Jan-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		5-Sep-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		19-Mar-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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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			
		27-Jul-94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		12-Jun-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		13-Jan-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		5-Sep-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		19-Mar-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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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				
		27-Jul-94	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		12-Jun-95	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		13-Jan-96	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		5-Sep-96	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		19-Mar-97	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		
		2-Jul-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		
		22-Oct-97	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	ACETONE	0.8 JB
															METHYLENE CHLORIDE	0.6 JB

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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			
		27-Jul-94	6.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		12-Jun-95	8.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		13-Jan-96	5.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		5-Sep-96	6.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		19-Mar-97	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		
		2-Jul-97	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		
		22-Oct-97	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	ACETONE	1.0 JB

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
18_MCAS01-5	340	4-Jan-89	34.6	0.5 U	0.5 U		0.5 J	0.5 J			0.5 U	0.5 U				
		6-Feb-89	39.1	0.5 U	0.5 U		0.5 J	0.5			0.5 U	0.5 U				
		1-Apr-89	34.6	0.5 U	0.5 U		0.5 J	0.5 J			0.5 U	0.5 U				
		5-May-89	47.5	0.5 U	0.5 U		0.5 J	0.5 J			0.5 U	0.5 U				
		2-Jun-89	39.1	0.5 U	0.5 U		0.5 J	0.5			0.5 U	0.5 U				
		19-Oct-89	17.7	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		12-Jan-90	32.1	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		8-Feb-90	36.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		17-May-90	33.4	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		2-Aug-90	36.5	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		1-Dec-90	32.1	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		21-Mar-91	19.7	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		17-Jul-91	29.0	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		20-Oct-91	48.2	0.5 J	0.5 U		0.5 U	0.5			0.5 U	0.5 U				
		19-May-92	24.2	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		22-Sep-92	24.1	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		12-Apr-93	36.1	0.5 U	0.5 U	0.5 U		0.4	0.5 U	0.5 U	0.5 U	0.5 U				
		30-Nov-93	22.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U		2-BUTANONE	1.0 J
		30-Nov-93													2-HEXANONE	2.0 J
		27-Jul-94	44.1	ND	ND	ND	ND	TR	ND	ND	ND	ND	ND	ND		
		12-Jun-95	37.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		13-Jan-96	25.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		5-Sep-96	24.5	ND	ND	ND	ND	TR	ND	ND	ND	ND	ND	ND		
		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		
		19-Mar-97	22.0	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		
		1-Jul-97	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		
		22-Oct-97	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	ACETONE	1.0 JB
															METHYLENE CHLORIDE	0.4 JB

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			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	Concent.
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	6.4	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		17-Jul-91	18.4	0.5 U	0.5 U		2.5	0.5 U			0.5 U	0.5 U				
		20-Oct-91	33.0	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		19-May-92	26.3	0.5 U	0.5 U		2.6	0.5 U			0.5 U	0.5 U				
		22-Sep-92	23.9	0.5 U	0.5 U		2.7	0.5 U			0.5 U	0.5 U				
		12-Apr-93	44.3	0.5 U	0.5 U	0.5 U	3.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U				
		16-Dec-93	34.0	1.0 U	1.0 U	1.0 U	4.0	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U				
		27-Jul-94	41.3	ND	ND	ND	4.3	ND	ND	ND	ND	ND	ND	ND		
		12-Jun-95	39.6	ND	ND	ND	4.7	ND	ND	ND	ND	ND	ND	ND		
		13-Jan-96	28.9	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND	ND		
		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		
		5-Sep-96	27.5	ND	ND	ND	4.7	ND	ND	ND	ND	ND	ND	ND		
		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		
		19-Mar-97	24.0	1.0 U	1.0 U	1.0 U	3.0	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		22-Oct-97	24.0	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	ACETONE	0.8 JB
															METHYLENE CHLORIDE	0.5 JB

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			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	Concent.
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				
		27-Jul-94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		12-Jun-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		13-Jan-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		5-Sep-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		19-Mar-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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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	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			
		6-Jul-94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		28-Jun-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		9-Dec-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		8-Sep-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		13-Mar-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		
		9-Apr-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			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	Concent.
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	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			
		6-Jul-94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		28-Jun-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		9-Dec-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		8-Sep-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		13-Mar-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		
		9-Apr-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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			
		6-Jul-94	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		28-Jun-95	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		9-Dec-95	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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
		8-Sep-96	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		13-Mar-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
		9-Apr-97	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		2-Jul-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		
		9-Jul-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	2-HEXANONE	8.0 J
		17-Oct-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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			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	Concent.
18_MCAS02-4	380	27-Dec-88	34.6	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		16-Feb-89	28.5	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		5-Mar-89	32.2	0.5 J	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		3-May-89	32.2	0.5 J	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		17-Oct-89	37.2	0.5 J	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		13-Mar-90	25.6	0.5 U	0.5 U		0.5 U	0.5 J			0.5 U	0.5 U				
		18-May-90	3.3	TR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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			
		6-Jul-94	19.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		28-Jun-95	12.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		9-Dec-95	14.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		8-Sep-96	15.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		13-Mar-97	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	METHYLENE CHLORIDE	0.5 J
		9-Apr-97	12.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		2-Jul-97	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		
		9-Jul-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	2-HEXANONE	8.0 J
		17-Oct-97	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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			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	Concent.
18_MCAS02-5	430	27-Dec-88	38.9	0.5 U	0.5 U		0.6	0.5 U			0.5 U	0.5 U				
		8-Feb-89	37.0	0.5 U	0.5 U		0.5	0.5 U			0.5 U	0.5 U				
		5-Mar-89	33.9	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				
		5-Apr-91	6.1	ND	ND	ND	ND	TR	ND	ND	ND	ND	ND	ND		
		9-Jul-91	20.6	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		7-Sep-91	20.6	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		16-Nov-91	30.9	0.5 U	0.5 U		0.5 U	0.5 U			0.5 U	0.5 U				
		27-Feb-92	21.8	0.5 U	0.5 U		0.5 J	0.5 U			0.5 U	0.5 U				
		17-Sep-92	20.0	0.5 U	0.5 U		0.5 J	0.5 U			0.5 U	0.5 U				
		17-Feb-93	26.9	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U			
		2-Jun-93	32.2	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U				
		11-Dec-93	21.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		6-Jul-94	30.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		28-Jun-95	22.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		9-Dec-95	23.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		8-Sep-96	26.6	ND	TR	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		12-Mar-97	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		
		9-Apr-97	22.9	ND	TR	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		2-Jul-97	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	BROMOMETHANE	3.0 J
		9-Jul-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	2-HEXANONE	8.0 J
		17-Oct-97	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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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			
		6-Jul-94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		28-Jun-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		9-Dec-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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-Sep-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		12-Mar-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		
		9-Apr-97	ND	ND	ND	ND	ND	ND	ND	TR	ND	ND	ND	ND		
		17-Oct-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	0.4 J

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS -- All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
18_MCAS02-7	560	27-Dec-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U		TR	0.5	0.5 U				
		8-Feb-89	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U		ND	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		TR	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		TR	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		TR	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		TR	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			
		6-Jul-94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		28-Jun-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		9-Dec-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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-Sep-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		12-Mar-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
		9-Apr-97	ND	ND	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			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	Concent.
18_MCAS02-8	630	27-Dec-88	0.5 U	0.5 U	0.5 U		0.5 U	0.5 U		0.6	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		TR	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		0.6	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		0.8	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		0.7	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		0.6	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	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			
		6-Jul-94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		28-Jun-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		9-Dec-95	ND	ND	ND	ND	ND	ND	ND	TR	ND	ND	ND	ND		
		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-Sep-96	ND	ND	ND	ND	ND	ND	ND	TR	ND	ND	ND	ND		
		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		
		12-Mar-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	2.0
		9-Apr-97	ND	ND	ND	ND	ND	ND	ND	0.6	ND	ND	ND	ND		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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			
		16-Jun-94	TR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		20-Dec-95	1.0	ND	ND	ND	ND	TR	ND	ND	ND	ND	ND	ND		
		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		
		15-Jun-96	1.4	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND		
		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		
		12-Mar-97	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		
		4-Apr-97	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		1-Jul-97	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		
		14-Oct-97	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	0.5 J	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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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			
		16-Jun-94	30.7	ND	ND	ND	ND	TR	ND	ND	ND	ND	ND	ND		
		20-Dec-95	76.0	1.8	ND	ND	0.8	TR	ND	ND	ND	ND	ND	ND		
		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		
		15-Jun-96	84.6	1.8	ND	ND	1.1	TR	ND	ND	ND	ND	ND	ND		
		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		
		11-Mar-97	107.0	5.0 U	5.0 U	5.0 U	4.0 J	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50.0 U		
		4-Apr-97	64.0	1.5	ND	ND	5.7	0.8	ND	ND	ND	ND	ND	ND		
		1-Jul-97	88.0	1.0	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	VINYL CHLORIDE	7.0 J
		14-Oct-97	71.0	0.6 J	1.0 U	1.0 U	4.0 J	0.3 J	10.0 U	1.0 U	0.4 J	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	1.0
		14-Oct-97	72.0	0.6 J	1.0 U	1.0 U	4.0 J	1.0 U	10.0 U	1.0 U	0.4 J	1.0 U	1.0 U	10.0 U		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			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	Concent.
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			
		16-Jun-94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		20-Dec-95	ND	TR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		15-Jun-96	ND	TR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		11-Mar-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		
		4-Apr-97	ND	TR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		1-Jul-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		
		14-Oct-97	0.3 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	0.4 J	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	0.4 J

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			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	Concent.
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			
		16-Jun-94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		20-Dec-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		15-Jun-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		11-Mar-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		
		4-Apr-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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			
		16-Jun-94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		20-Dec-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		15-Jun-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		11-Mar-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		
		4-Apr-97	TR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~ All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			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	Concent
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			
		16-Jun-94	TR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		20-Dec-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		15-Jun-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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	METHYLENE CHLORIDE	1.0
		11-Mar-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		
		4-Apr-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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		
		16-Feb-96	2.7	TR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		27-Aug-96	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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
		12-Feb-97	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		13-Mar-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	0.6 J
		14-Jul-97	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		
		29-Oct-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		
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		Well Abandoned 1994	
18_MCAS05A	130	18-Dec-95	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		30-Jun-96	2.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		8-Jan-97	1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		18-Mar-97	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		
		18-Mar-97	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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			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	Concent.
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			
		14-Dec-95	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		30-Jun-96	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		8-Jan-97	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		25-Mar-97	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		
		15-Jul-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		
		31-Oct-97	3.0	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	ACETONE	0.7 JB
															METHYLENE CHLORIDE	0.4 J
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			
		22-Dec-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		25-Jul-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		1-Feb-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		26-Mar-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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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			
		22-Dec-95	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		25-Jul-96	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		1-Feb-97	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		26-Mar-97	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	2.0
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			
		22-Dec-95	38.1	ND	ND	ND	TR	TR	ND	ND	ND	ND	ND	ND		
		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		
		25-Jul-96	40.4	ND	ND	ND	TR	ND	ND	ND	ND	ND	ND	ND		
		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		
		26-Mar-97	47.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	20.0 U	2.0 U	2.0 U	2.0 U	2.0 U	20.0 U	METHYLENE CHLORIDE	6.0
		10-Jul-97	36.0	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		
		16-Oct-97	40.0	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	1,2-DICHLOROETHANE	0.4 J
															METHYLENE CHLORIDE	0.3 JB

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			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	Concent.
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			
		22-Dec-95	47.8	ND	ND	ND	8.3	ND	ND	ND	ND	ND	ND	ND		
		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		
		25-Jul-96	50.9	ND	ND	ND	10.2	ND	ND	ND	ND	ND	ND	ND		
		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		
		1-Feb-97	32.6	ND	ND	ND	8.2	ND	ND	ND	ND	ND	ND	ND		
		26-Mar-97	47.0	2.0 U	2.0 U	2.0 U	9.0	2.0 U	20.0 U	2.0 U	2.0 U	2.0 U	2.0 U	20.0 U	METHYLENE CHLORIDE	3.0
		10-Jul-97	35.0	1.0 U	1.0 U	1.0 U	7.0	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		16-Oct-97	40.0	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		
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			
		22-Dec-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		25-Jul-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		1-Feb-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		26-Mar-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
		10-Jul-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		
		16-Oct-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	ACETONE	0.9 JB

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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			
		22-Dec-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		25-Jul-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		1-Feb-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		26-Mar-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	2.0
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			
		22-Dec-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		25-Jul-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		1-Feb-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		26-Mar-97	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 J

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~ All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			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	Concent.
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				
		22-Dec-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		25-Jul-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		1-Feb-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		26-Mar-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
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				
		22-Dec-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		25-Jul-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		1-Feb-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		26-Mar-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	0.9 J

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			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	Concent.
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			
		16-Oct-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		12-Apr-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		8-Nov-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		26-Mar-97	0.8 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
		14-Jul-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		
		29-Oct-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	0.4 J
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			
		14-Dec-95	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		30-Jun-96	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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
		8-Jan-97	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		26-Mar-97	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
		14-Jul-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		
		29-Oct-97	0.5 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	1.0 J	METHYLENE CHLORIDE	0.8 J

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~ All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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				
		29-Nov-94	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		6-Jul-95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		24-Jan-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		14-Jul-96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		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		
		19-Jan-97	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
		18-Mar-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-Mar-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		
		14-Jul-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		
		29-Oct-97	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	0.6 J	1.0 U	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	0.5 J
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		
		17-Mar-97	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		
		17-Mar-97	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_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		
		25-Mar-97	15.0	0.5 J	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		
		7-Jul-97	13.0	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		
		24-Oct-97	18.0	1.0 U	1.0 U	1.0 U	0.8 J	2.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	BROMODICHLOROMETHANE	0.4 J

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS ~ All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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
		14-Mar-97	7.0	12.0	1.0 U	1.0 U	0.7 J	3.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		11-Jul-97	7.0	12.0	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		
		28-Oct-97	6.0	11.0	1.0 U	1.0 U	0.8 J	0.5 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1,2-DICHLOROETHANE	1.0
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	6.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	4.0	1.0 U	1.0 U	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
		14-Mar-97	5.0	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		
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		
		17-Mar-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		
		17-Mar-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		
		11-Jul-97	1.0 U	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		
		28-Oct-97	0.4 J	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	0.6 J	1,2-DICHLOROETHANE	0.8 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		
		25-Mar-97	49.0	10.0	2.0 U	2.0 U	2.0 U	2.0 J	20.0 U	2.0 U	2.0 U	2.0 U	2.0 U	20.0 U	METHYLENE CHLORIDE	10.0
		1-Jul-97	33.0	10.0	0.9 J	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		
		23-Oct-97	48.0 E	13.0	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		
		23-Oct-97	50.0 D	3.0 D	5.0 U	5.0 U	5.0 U	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50.0 U		
		23-Oct-97	51.0 E	14.0	0.9 J	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		
		23-Oct-97	44.0 D	14.0 D	5.0 U	5.0 U	5.0 U	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50.0 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		
		14-Mar-97	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

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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
		20-Mar-97	114.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50.0 U	5.0 U	5.0 U	5.0 U	5.0 U	50.0 U		
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		
		17-Mar-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		
		17-Mar-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_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		
		14-Mar-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_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	Well Abandoned 1996	
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	Well Abandoned 1996	
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		
		11-Mar-97	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		
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		
		11-Mar-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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
19_DGMW86	198	17-Dec-92	0.8 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		6-Nov-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		27-Feb-96	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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		
		11-Mar-97	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		
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		
		18-Mar-97 *	1.0 U	1.0 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		
		18-Mar-97 *	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		
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		
		25-Mar-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		
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-Mar-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		
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		
		27-Mar-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
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		
		25-Mar-97	8.0	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
		20-Mar-97 *	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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			TCE	PCE	CCl_4	1,1-DCE	1,2-DCE (total)	Chloroform	Chloro-methane	Benzene	Toluene	Ethyl-benzene	Xylenes (total)	Freon-113	Compound	Concent.
			5.0	5.0	0.5	6.0		100.0		1.0	100.0	680.0	1750.0			
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
		25-Mar-97	25.0	11.0	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		
		9-Jul-97	19.0	11.0	1.0 U	1.0 U	1.0	1.0 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		9-Jul-97	18.0	10.0	1.0 U	1.0 U	0.8 J	1.0 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		27-Oct-97	21.0	9.0	1.0 U	0.5 J	1.0	1.0 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	0.7 JB
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-Mar-97	733.0	3.0	3.0	3.0	1.0 U	2.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	7.0 J		
		8-Jul-97	760.0	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U		
		8-Jul-97	730.0	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U		
		23-Oct-97	540.0 E	3.0	3.0	3.0	1.0 U	2.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	8.0 J		
		23-Oct-97	770.0 D	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	250.0 U	25.0 U	25.0 U	25.0 U	25.0 U	250.0 U		
24NEW1	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-Mar-97	155.0	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		
		10-Jul-97	290.0	1.0	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	1.0 J		
		23-Oct-97	170.0 E	0.9 J	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	0.8 J	METHYLENE CHLORIDE	6.0
		23-Oct-97	170.0 D	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U		
24NEW4	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		
		21-Mar-97	677.0	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	200.0 U	20.0 U	20.0 U	20.0 U	20.0 U	200.0 U	METHYLENE CHLORIDE	30.0
		8-Jul-97	640.0	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U		
		8-Jul-97	650.0	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U	10.0 U	10.0 U	10.0 U	10.0 U	100.0 U		
		23-Oct-97	390.0 E	0.5 J	1.0	0.5 J	1.0 U	0.8 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 J		
		23-Oct-97	580.0 D	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	250.0 U	25.0 U	25.0 U	25.0 U	25.0 U	250.0 U		
		23-Oct-97	420.0 E	0.6 J	1.0	0.6 J	1.0 U	0.9 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 J		
		23-Oct-97	620.0 D	25.0 U	25.0 U	25.0 U	25.0 U	25.0 U	250.0 U	25.0 U	25.0 U	25.0 U	25.0 U	250.0 U		
24NEW5	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		
		24-Mar-97	7.0	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		
		8-Jul-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		
		20-Oct-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		

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	PRIMARY VOCs DETECTED AND REGULATORY STANDARDS – All Results in Micrograms per Liter (ug/L)												OTHER VOCs DETECTED	
			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	Concent.
24NEW6	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		
		19-Mar-97	23.0	7.0	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		
		10-Jul-97	40.0	18.0	1.0 U	1.0 U	4.0	1.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		27-Oct-97	46.0 D	16.0	1.0 U	1.0 U	5.0	1.0 B	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1,1,2-TRICHLOROETHANE	0.5 J
															1,2-DICHLOROETHANE	0.3 J
24NEW7	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-TETRACHLOROETHAN	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		
		12-Mar-97	17.0	1.0 U	1.0 U	2.0	1.0 U	0.5 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	2.0
		2-Jul-97	9.0	1.0 U	0.8 J	1.0	1.0 U	0.5 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		2-Jul-97	9.0	1.0 U	0.6 J	1.0	1.0 U	0.5 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		20-Oct-97	19.0	1.0 U	1.0 U	3.0	1.0 U	0.6 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
24NEW8	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		
		12-Mar-97	1.0	1.0 U	1.0	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		
		2-Jul-97	1.0 U	1.0 U	1.0	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		
		20-Oct-97	2.0	1.0 U	1.0 U	1.0 U	1.0 U	0.3 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 1996 and 1997 sample results listed are as reported in the APCL analytical reports (Appendix E, Groundwater Monitoring Reports). Results for MCAS monitoring well/ports from GWMP and Orange County Water District sampling. OCWD result codes: *ND = not detected, TR = trace detected.*

3) Asterisk (*) next to sample date denotes sample collected using low-flow purging procedure.

4) 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.

5) 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.

6) = 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) October 1997	TCE Prior Maximum	TCE Date	Tetrachloroethene (PCE) October 1997	PCE Prior Maximum	PCE Date	Carbon Tetrachloride October 1997	Carbon Tetrachloride Prior Maximum	Carbon Tetrachloride Date
01_DGMW57	83	NS	ND		NS	ND		NS	ND	
01_DGMW58	77	NS	1.0	Nov-95	NS	ND		NS	ND	
01MW101	148	1.0 U	18.0	Nov-95	1.0 U	0.5 J	Sep-97	1.0 U	ND	
01MW102	135	1.0 U	8.0	Nov-95	1.0 U	ND		1.0 U	ND	
01MW201	57	1.0 U	ND		1.0 U	ND		1.0 U	ND	
02_DGMW59	88	1.0 U	0.7 J	Nov-95	1.0 U	ND		1.0 U	ND	
02_DGMW60	100	160.0	203.0	Nov-95	6.0	8.0	Nov-92	1.0 U	ND	
02_DGMW61	100	0.6 J	2.0	Jun-95	11.0	20.0	Nov-95	1.0 U	ND	
02_UGMW25	76	1.0 U	0.9 J	Sep-92	1.0 U	ND		1.0 U	ND	
02NEW1	195	0.4 J	ND		1.0 U	ND		1.0 U	ND	
02NEW2	95	1.0 U	1.0	Nov-95	1.0 U	ND		1.0 U	ND	
02NEW3	225	1.0 U	ND		1.0 U	0.4 J	Dec-95	1.0 U	ND	
02NEW6	225	1.0 U	ND		0.5 J	1.0	Dec-95	1.0 U	ND	
02NEW7	143	1.0 U	8.0	Jan-97	1.0 U	0.3 J	Dec-95	1.0 U	ND	
02NEW8A	104	0.5 J	ND		12.0	19.0	Nov-95	1.0 U	ND	
02NEW11	65	1.0 U	ND		1.0 U	7.0	Dec-95	1.0 U	ND	
02NEW12	240	1.0	4.0	Mar-97	1.0	2.0	Mar-97	1.0 U	ND	
03_DGMW39	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	0.9 J	1.0	Nov-95	2.0	2.0	Nov-95	1.0 U	ND	
04_DGMW40	280	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	NS	ND		NS	ND		NS	ND	
05_DGMW41	222	1.0 U	ND		0.5 J	0.8 J	Nov-95	1.0 U	ND	
05_DGMW67	227	NS	ND		NS	ND		NS	ND	
05_DGMW68	210	1.0 U	ND		1.0 U	ND		1.0 U	ND	
05_UGMW27	238	1.0 U	0.6 J	Mar-92	0.5 J	0.9 J	Mar-92	1.0 U	ND	
05NEW1	208	1.0 U	ND		1.0 U	ND		1.0 U	ND	
06_DGMW69	160	NS	ND		NS	ND		NS	ND	
06_UGMW28	160	NS	18.0	Feb-95	NS	2.0	Dec-95	NS	ND	
07_DGMW43	160	1.0 U	4.0	Nov-95	1.0 U	ND		1.0 U	0.3 J	Jun-92
07_DGMW70	165	NS	2.0	Nov-95	NS	ND		NS	4.0	Nov-95
07_DGMW71	165	NS	23.0	Dec-92	NS	ND		NS	ND	
07_DGMW72	160	NS	120.0 E	Nov-92	NS	2.0	Oct-95	NS	4.0	Nov-95
07_DGMW91	150	71.0	104.0	Nov-95	0.8 J	8.0	Jul-97	1.0 U	2.0	Nov-95
07_DGMW130	171	1.0 U	ND		1.0 U	ND		1.0 U	0.8 J	Jun-95
08_DGMW73	130	NS	140.0 E	Feb-92	NS	10.0	Dec-95	NS	0.6 J	Jul-92
08_DGMW74	130	63.0	103.0	Nov-95	2.0	8.0	Nov-92	0.9 J	6.0	Nov-92
08_UGMW24	135	6.0	20.0	Aug-92	1.0 U	ND		1.0 U	ND	
09_DGMW45	167	1800.0	2000.0 E	Nov-92	8.0	8.0	Oct-92	4.0	7.0	Nov-92
09_DGMW75	194	480.0	483.0	Nov-95	6.0	9.0	Dec-95	3.0	3.0	Dec-95
10_DGMW77	170	74.0	107.0	Mar-97	1.0	8.0	Nov-92	1.0	3.0	Jan-92
12_DGMW46	135	NS	19.0	Feb-95	NS	14.0	Nov-92	NS	0.6 J	May-92
12_UGMW31	145	NS	18.0	Nov-95	NS	8.0	Nov-95	NS	ND	
13_DGMW48	182	NS	ND		NS	ND		NS	ND	
13_DGMW78	187	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-95	1.0 U	ND		16.0	28.0	Jun-95
14_DGMW79	168	2.0	2.0	Nov-97	1.0 U	ND		7.0	8.0	Nov-95
15_DGMW51	165	0.4 J	38.0	Dec-95	1.0 U	6.0	Dec-95	1.0 U	ND	
16_DGMW52	222	0.8 J	1.0	Jul-95	1.0 U	ND		1.0 U	ND	
16_DGMW81	216	1.0 U	ND		1.0 U	ND		1.0 U	ND	
16_UGMW33	220	1.0 U	0.8 J	Jul-95	1.0 U	ND		1.0 U	ND	
17_DGMW82	255	NS	ND		NS	ND		NS	ND	
17NEW1	225	1.0	ND		1.0 U	ND		1.0 U	ND	
17NEW2	123	1.0 U	ND		1.0 U	ND		1.0 U	ND	
18_BGMP05D	178	NS	ND		NS	ND		NS	ND	
18_BGMP05E	118	NS	ND		NS	ND		NS	ND	
18_BGMP06D	136	NS	ND		NS	0.5 J	Oct-92	NS	ND	
18_BGMP06E	71	NS	ND		NS	ND		NS	ND	
18_BGMP09D	237	NS	ND		NS	ND		NS	ND	
18_BGMP09E	143	NS	ND		NS	ND		NS	ND	
18_BGMP09F	98	NS	ND		NS	ND		NS	ND	
18_BGMW01D	282	NS	ND		NS	ND		NS	ND	
18_BGMW01E	226	NS	ND		NS	ND		NS	ND	
18_BGMW02E	335	NS	3.0 J	Jun-95	NS	1.0	Nov-95	NS	ND	
18_BGMW03C	342	0.5 J	ND		1.0 U	ND		1.0 U	ND	
18_BGMW03E	184	63.0	370.0 E	Dec-92	0.4 J	1.0	Nov-95	1.0 U	1.0	Dec-92
18_BGMW04B	210	8.0	14.0	Sep-92	8.0	11.0	Sep-92	1.0 U	ND	
18_BGMW05C	245	NS	1.0	Feb-95	NS	ND		NS	ND	
18_BGMW05D	183	13.0	28.0	Dec-95	12.0	20.0	Mar-92	1.0 U	ND	
18_BGMW07	65	NS	3.0	Mar-97	NS	ND		NS	ND	
18_BGMW12	200	NS	ND		NS	ND		NS	ND	
18_BGMW14	115	NS	6.0	Feb-95	NS	ND		NS	ND	
18_BGMW15	215	NS	ND		NS	ND		NS	ND	
18_BGMW16	203	NS	ND		NS	ND		NS	ND	
18_BGMW17	255	NS	ND		NS	ND		NS	ND	
18_BGMW18	180	NS	ND		NS	ND		NS	ND	
18_BGMW19D	170	NS	6.0	Feb-95	NS	ND		NS	ND	
18_BGMW19S	136	NS	1.0	Dec-92	NS	ND		NS	ND	
18_BGMW22	287	NS	1.0	Nov-95	NS	ND		NS	ND	
18_BGMW23	104	NS	6.0	Feb-95	NS	0.8 J	Dec-95	NS	ND	
18_BGMW24	71	NS	ND		NS	ND		NS	ND	
18_BGMW101	130	18.0	29.0	Nov-92	1.0 U	ND		1.0 U	ND	
18_DW136	135	30.0	16.0	Nov-95	1.0 U	ND		16.0	61.0	Sep-95
18_DW250	250	NS	1.0	Jun-95	NS	ND		NS	15.0	Sep-95
18_MCAS01-1	70	NS	ND		NS	ND		NS	ND	
18_MCAS01-2	160	NS	ND		NS	ND		NS	ND	
18_MCAS01-3	220	3.0	3.4	May-93	1.0 U	ND		1.0 U	ND	
18_MCAS02-1	80	NS	ND		NS	ND		NS	ND	
18_MCAS02-2	140	NS	0.6 J	Sep-91	NS	ND		NS	ND	
18_MCAS02-3	210	2.0	4.0	Jan-93	1.0 U	ND		1.0 U	ND	
18_MCAS03-1	95	5.0	5.0	Nov-95	1.0 U	ND		1.0 U	ND	
18_MCAS03-2	170	72.0	115.0	Nov-95	5.0 U	2.0	Oct-91	5.0 U	ND	
18_MCAS03-3	230	0.3 J	ND		1.0 U	ND		1.0 U	ND	
18_MCAS05A	130	NS	4.0	Nov-95	NS	ND		NS	ND	
18_MCAS07-1	100	NS	ND		NS	ND		NS	ND	
18_MCAS07-2	200	NS	3.2	Jan-93	NS	ND		NS	ND	
18_PS1	122	NS	19.0	Dec-95	NS	0.6 J	Feb-93	NS	1.0 J	Feb-93
18_PS2	133	18.0	12.0	Nov-95	1.0 U	ND		1.0 U	ND	
18_PS3	122	6.0	79.0	Jul-93	11.0	81.0	Jan-95	1.0 U	0.4	Jan-95
18_PS4	118	NS	79.0	Jan-95	NS	46.0	Jan-95	NS	ND	
18_PS5	135	0.4 J	ND		0.4 J	ND		1.0 U	ND	
18_PS6	130	80.0	49.0	Mar-97	14.0	10.0	Mar-97	0.9 J	2.0	Mar-97
18_PS7	130	NS	ND		NS	ND		NS	ND	
18_PS8	140	NS	167.0	Nov-95	NS	1.0	Nov-95	NS	3.0	Dec-97
19_DGMW54	181	NS	4.0	Feb-95	NS	3.0	Dec-95	NS	ND	
19_DGMW85	168	NS	5.0	Dec-95	NS	4.0	Dec-95	NS	ND	
19_DGMW86	185	NS	11.0	Dec-95	NS	10.0	Dec-95	NS	ND	
19_UGMW35	165	NS	3.0	Nov-95	NS	2.0	Nov-95	NS	ND	
20_DGMW55	227	NS	0.5 J	Sep-92	NS	ND		NS	ND	
20_DGMW88	225	NS	ND		NS	ND		NS	ND	
20_UGMW36	223	NS	ND		NS	ND		NS	ND	
21_DGMW56	132	NS	47.0	Feb-95	NS	4.0	Nov-95	NS	ND	
21_DGMW90	136	NS	3.0	Nov-95	NS	2.0	Nov-95	NS	ND	
21_UGMW37	130	21.0	36.0	Nov-95	9.0	13.0	Nov-95	1.0 U	ND	
22_DGMW47	166	770.0	1200.0	Jul-93	3.0	7.0	Sep-92	3.0	5.0	Jul-93
24NEW1	245	170.0	280.0	Jul-97	0.8 J	2.0	Dec-95	1.0 U	ND	
24NEW4	140	820.0	1110.0	Dec-95	0.6 J	2.0	Dec-95	1.0	2.0	Dec-95
24NEW5	260	1.0 U	0.7 J	Dec-95	1.0 U	2.0	Dec-95	1.0 U	ND	
24NEW6	185	48.0	43.0	Jul-97	10.0	16.0	Jul-97	1.0 U	ND	
24NEW7	188	19.0	33.0	Dec-95	1.0 U	1.0	Dec-95	1.0 U	0.9 J	Dec-95
24NEW8	182	2.0	4.0	Dec-95	1.0 U	1.0	Dec-95	1.0 U	2.0	Dec-95

EXPLANATION

For October 1997 (Round 7) sampling, table lists TCE, PCE, and carbon tetrachloride results with the 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 7

"Prior Maximum" results are from sampling rounds conducted prior to October 1997, as listed in Table 4-1 of the Monitoring Report.
ND = not detected; J = estimated value

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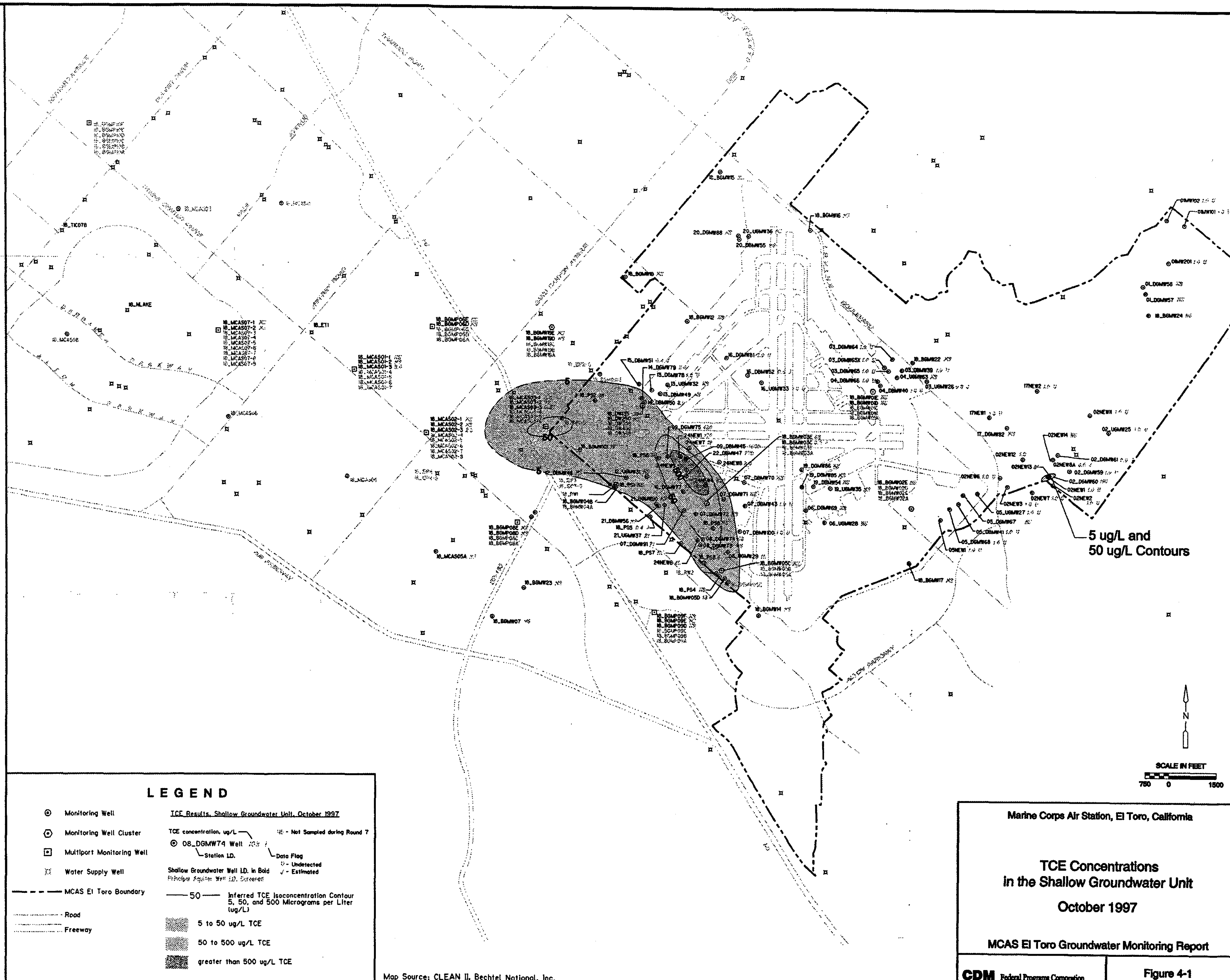


Marine Corps Air Station, El Toro, California

TCE Concentrations in the Shallow Groundwater Unit

October 1997

MCAS El Toro Groundwater Monitoring Report

CDM Federal Programs Corporation

Figure 4-1

VOC ANALYSES – PRINCIPAL AQUIFER AND DEEP GROUNDWATER UNITS

Current Sampling Results and Maximum Detected Concentrations

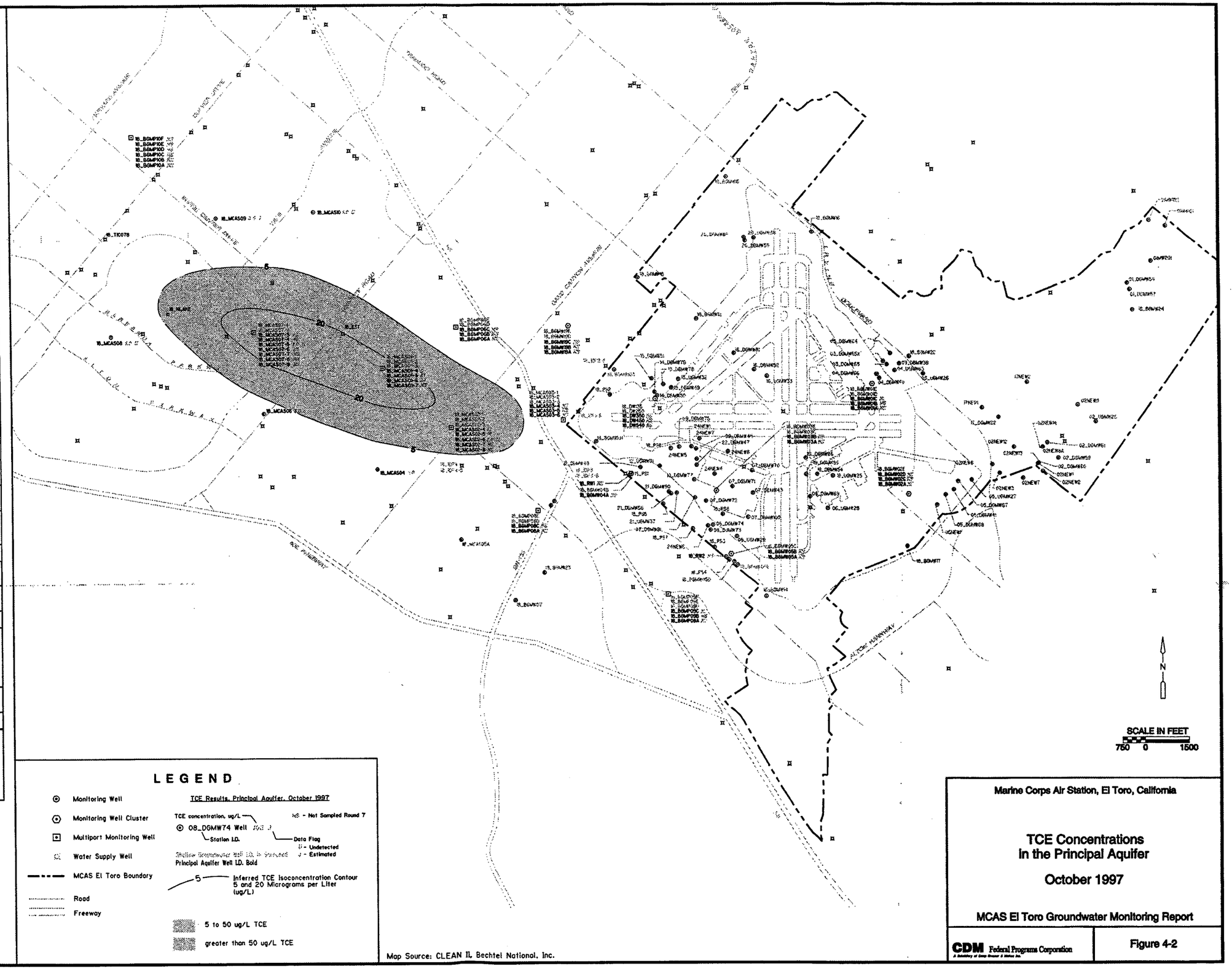
Concentrations in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (ft BGS)	Trichloroethene (TCE)			Tetrachloroethene (PCE)			Carbon Tetrachloride		
		October 1997	Prior Maximum	Date	October 1997	Prior Maximum	Date	October 1997	Prior Maximum	Date
16_BGMP05A	464	NS	ND		NS	ND		NS	ND	
16_BGMP05B	390	NS	ND		NS	ND		NS	ND	
16_BGMP05C	305	NS	ND		NS	ND		NS	ND	
16_BGMP06A	449	NS	ND		NS	ND		NS	ND	
16_BGMP06C	307	NS	1.0	Jun-96	NS	ND		NS	ND	
16_BGMP06A	493	NS	ND		NS	ND		NS	ND	
16_BGMP06B	384	NS	ND		NS	ND		NS	ND	
16_BGMP06C	273	NS	ND		NS	ND		NS	ND	
16_BGMP10A	1011	NS	ND		NS	ND		NS	ND	
16_BGMP10B	897	NS	ND		NS	ND		NS	ND	
16_BGMP10C	762	NS	ND		NS	ND		NS	ND	
16_BGMP10D	573	NS	ND		NS	ND		NS	ND	
16_BGMP10E	489	NS	ND		NS	ND		NS	ND	
16_BGMP10F	299	NS	ND		NS	ND		NS	ND	
16_BGMW01A	488	NS	1.0	Nov-92	NS	ND		NS	ND	
16_BGMW01B	416	NS	ND		NS	ND		NS	ND	
16_BGMW01C	350	NS	ND		NS	ND		NS	ND	
16_BGMW02A	482	NS	1.0	Jun-96	NS	0.5 J	Dec-95	NS	ND	
16_BGMW02C	379	NS	ND		NS	ND		NS	ND	
16_BGMW02D	314	NS	ND		NS	ND		NS	ND	
16_BGMW03A	390	NS	1.0	Jun-95	NS	ND		NS	ND	
16_BGMW03B	300	NS	0.6 J	Jul-95	NS	ND		NS	ND	
16_BGMW04A	308	NS	1.0	Jun-96	NS	ND		NS	ND	
16_BGMW05A	482	NS	ND		NS	ND		NS	ND	
16_BGMW05B	341	NS	2.0	Feb-96	NS	ND		NS	ND	
16_BGMW19A	455	NS	ND		NS	ND		NS	ND	
16_BGMW19B	426	NS	0.7 J	Dec-92	NS	ND		NS	ND	
16_BGMW19C	277	NS	ND		NS	ND		NS	ND	
16_DW360	360	NS	ND		NS	ND		NS	ND	
16_DW480	480	NS	4.0	Jun-96	NS	1.0	Jun-96	NS	ND	
16_DW540	540	NS	4.0	Jun-96	NS	1.0	Jun-96	NS	ND	
16_MCAS01-4	280	5.0	5.1	May-96	1.0 U	ND		1.0 U	ND	
16_MCAS01-5	340	21.0	49.2	Nov-94	1.0 U	ND		1.0 U	ND	
16_MCAS01-6	400	34.0	46.1	May-96	1.0 U	ND		1.0 U	ND	
16_MCAS01-7	450	NS	0.5 J	Apr-89	NS	ND		NS	ND	
16_MCAS02-4	380	12.0	37.2	Oct-89	1.0 U	0.5	Jun-89	1.0 U	ND	
16_MCAS02-5	430	16.0	38.9	Dec-89	1.0 U	ND		1.0 U	ND	
16_MCAS02-6	500	1.0 U	ND		1.0 U	ND		1.0 U	ND	
16_MCAS02-7	580	NS	ND		NS	ND		NS	ND	
16_MCAS02-8	630	NS	0.5 J	Sep-91	NS	ND		NS	ND	
16_MCAS03-4	380	NS	ND		NS	ND		NS	ND	
16_MCAS03-5	430	NS	0.5 J	Jul-91	NS	ND		NS	ND	
16_MCAS03-6	500	NS	0.5 J	Jul-91	NS	ND		NS	ND	
16_MCAS04	238	2.0	11.0	Mar-97	1.0 U	0.5 J	Nov-89	1.0 U	ND	
16_MCAS06	222	5.0	5.0	Mar-97	0.9 J	ND		1.0 U	ND	
16_MCAS07-3	380	40.0	53.4	Oct-91	1.0 U	0.5 J	Nov-89	1.0 U	ND	
16_MCAS07-4	460	40.0	48.1	Dec-92	1.0 U	ND		1.0 U	ND	
16_MCAS07-5	520	1.0 U	1.3	Mar-93	1.0 U	ND		1.0 U	ND	
16_MCAS07-6	610	NS	ND		NS	0.7	Nov-89	NS	ND	
16_MCAS07-7	820	NS	0.5 J	Jul-91	NS	0.5	Nov-89	NS	ND	
16_MCAS07-8	980	NS	0.5 J	Jul-91	NS	0.7	Oct-89	NS	ND	
16_MCAS07-9	1110	NS	ND		NS	0.7	Oct-89	NS	ND	
16_MCAS08	410	1.0 U	1.0	Mar-97	1.0 U	ND		1.0 U	ND	
16_MCAS09	446	0.5 J	3.0	Mar-97	1.0 U	ND		1.0 U	ND	
16_MCAS10	375	1.0 U	3.0	Mar-97	1.0 U	ND		1.0 U	ND	
16_RW1	470	NS	ND		NS	ND		NS	ND	
16_RW2	510	NS	ND		NS	ND		NS	ND	

EXPLANATION

For October 1997 (Round 7) 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 7

"Prior Maximum" results are from sampling rounds conducted prior to October 1997, as listed in Table 4-1 of the Monitoring Report.
ND = not detected; J = estimated value



Marine Corps Air Station, El Toro, California

TCE Concentrations in the Principal Aquifer

October 1997

MCAS El Toro Groundwater Monitoring Report

CDM Federal Programs Corporation

Figure 4-2

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5.0 SEMIVOLATILE ORGANIC COMPOUND ANALYSES

In accordance with Navy's SOW, Round 7 sampling did not include sampling and analysis for semivolatile organic compounds (SVOCs). Recent analyses have confirmed prior sampling results and the existing database of SVOC results is considered sufficient for the current GWMP.

For reference, Table 5-1 lists the results of SVOC analyses performed during prior groundwater sampling rounds (Phase I and II RI and Rounds 3, 4, and 5). Table 5-1 lists the results for only the detected SVOCs from the prior sampling rounds.

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
01_DGMW57	83	12-Oct-92	64	0					
		14-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	49.0		4.0	2
		7-Feb-96	64	0					
		8-Apr-96	64	0					
		20-Nov-96	64	0					
		25-Mar-97	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	26.0			NA
01MW101	148	2-Apr-96	64	0					
		20-Nov-96	64	0					
01MW102	135	2-Apr-96	64	0					
		20-Nov-96	64	0					
01MW201	57	8-Apr-96	64	1	FLUORENE	0.14			NA
		18-Nov-96	64	3	BUTYL BENZYL PHTHALATE	3.0	J		NA
					DIETHYL PHTHALATE	5.8	J		NA
					DI-N-BUTYL PHTHALATE	1.9	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					
		26-Mar-97	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					
		26-Mar-97	64	1	DIETHYL PHTHALATE	3.0	J		NA
02_DGMW61	100	14-Dec-92	64	0					
		22-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	2.0	J	4.0	2
		1-Aug-95	64	0					
		1-Nov-95	64	0					
		8-Feb-96	64	0					
		4-Nov-96	64	0					
		26-Mar-97	64	1	DIETHYL PHTHALATE	4.0	J		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
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	0.0			NA
		7-Feb-96	64	0					
		12-Nov-96	64	0					
		26-Mar-97	64	1	DIETHYL PHTHALATE	4.0	J		NA
02NEW1	135	26-Dec-95	64	3	BIS (2-ETHYLHEXYL) PHTHALATE	2.0	B	4.0	2
					DI-N-BUTYL PHTHALATE	0.6	JB		NA
					PHENOL	0.3	J		NA
		4-Nov-96	64	0					
		26-Mar-97	64	1	DIETHYL PHTHALATE	18.0			NA
02NEW2	95	21-Dec-95	64	9	BENZO ANTHRACENE	0.1			NA
					BENZO PYRENE	0.1			NA
					BENZO PERYLENE	0.2	J		NA
					BENZO PERYLENE	0.0			NA
					BENZO FLUROANTHENE	0.2			NA
					BIS (2-ETHYLHEXYL) PHTHALATE	2.0	B	4.0	2
					DI-N-BUTYL PHTHALATE	0.1	JB		NA
					DIBENZO ANTHRACENE	0.2			NA
					INDENO PYRENE	0.2	J		NA
		26-Nov-96	64	0					
		21-Dec-96	64	0					
		26-Mar-97	64	1	DIETHYL PHTHALATE	10.0	J		NA
02NEW3	225	28-Dec-95	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	2.0	B	4.0	2
					DI-N-BUTYL PHTHALATE	0.6	JB		NA
		7-Nov-96	64	0					
		24-Mar-97	64	0					
02NEW6	225	27-Dec-95	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	1.0	B	4.0	2
					DI-N-BUTYL PHTHALATE	0.5	JB		NA
		7-Nov-96	64	0					
		24-Mar-97	64	0					
02NEW7	143	27-Dec-95	64	3	BIS (2-ETHYLHEXYL) PHTHALATE	3.0	B	4.0	2
					DI-N-BUTYL PHTHALATE	0.6	JB		NA
					PYRENE	0.2	J		NA
		8-Jan-97	64	0					
		20-Mar-97	64	0					
02NEW8A	104	27-Dec-95	64	3	BIS(2-ETHYLHEXYL)PHTHALATE	2.0	B	4.0	2
					DI-N-BUTYL PHTHALATE	0.2	JB		NA
					NAPHTHALENE	0.1	J		NA
		7-Nov-96	64	0					
		25-Mar-97	64	1	DIETHYL PHTHALATE	3.0	J		NA
02NEW11	65	21-Dec-95	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	11.0	B	4.0	2
					DI-N-BUTYL PHTHALATE	0.3	JB		NA
		12-Nov-96	64	0					
		25-Mar-97	64	1	DIETHYL PHTHALATE	3.0	J		NA
02NEW12	249	28-Dec-95	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	2.0	B	4.0	2
					DI-N-BUTYL PHTHALATE	0.5	JB		NA
		25-Mar-97	64	0					
03_DBMW39	270	9-Oct-92	64	0					
		21-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	9.0	J	4.0	2
		21-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	14.0		4.0	2
		30-Jan-96	64	0					
		12-Nov-96	64	0					
		17-Mar-97	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_DGMW64	285	15-Jan-93	64	0					
		2-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	6.0	J	4.0	2
		26-Feb-96	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	11.0		4.0	2
		12-Nov-96	64	0					
		4-Mar-97	64	2	BUTYL BENZYL PHTHALATE	0.8	J		NA
					DI-N-BUTYL PHTHALATE	8.0	J		NA
03_DGMW65X	270	18-Jan-93	64	1		2.0	J	4.0	2
		7-Jul-93	64	0					
		26-Feb-96	64	0					
		11-Nov-96	64	1	DIETHYL PHTHALATE	6.0	J		NA
		4-Mar-97	64	2	DIETHYL PHTHALATE	0.7	J		NA
					DI-N-BUTYL PHTHALATE	6.0	J		NA
03_UGMW26	270	1-Oct-92	64	0					
		23-Jun-93	64	0					
		27-Feb-96	64	0					
		14-Nov-96	64	0					
		14-Nov-96	64	2	DIETHYL PHTHALATE	13.0			NA
					DI-N-BUTYL PHTHALATE	20.0			NA
		6-Mar-97	64	2	DIETHYL PHTHALATE	1.0	J		NA
					DI-N-BUTYL PHTHALATE	3.0	J		NA
04_DBMW40	260	3-Dec-92	64	0					
		24-Jun-93	64	0					
		26-Feb-96	64	0					
		12-Nov-96	64	0					
		5-Mar-97	64	2	DIETHYL PHTHALATE	0.9	J		NA
					DI-N-BUTYLPHTHALATE	6.0	J		NA
04_DGMW66	290	20-Nov-92	64	0					
		24-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	3.0	J	4.0	2
		26-Feb-96	64	0					
		12-Nov-96	64	0					
		4-Mar-97	64	3	BUTYL BENZYL PHTHALATE	0.8	J		NA
					DIETHYL PHTHALATE	1.0	J		NA
					DI-N-BUTYL PHTHALATE	10.0	J		NA
04_UGMW63	275	24-Nov-92	64	0					
		25-Jun-93	64	0					
		30-Jan-96	64	0					
		14-Nov-96	64	2	DIETHYL PHTHALATE	26.0			NA
					DI-N-BUTYL PHTHALATE	25.0			NA
		14-Nov-96	64	0					
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					
		13-Mar-97	64	0					
05_DGMW67	227	30-Nov-92	64	0					
		30-Nov-92	64	0					
		3-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	12.0		4.0	2
		6-Dec-95	64	1	DI-N-BUTYL PHTHALATE	0.2	J		NA
		9-Feb-96	64	0					
		13-Nov-96	64	0					
		14-Mar-97	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
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					
		5-Mar-97	64	3	DIETHYL PHTHALATE	0.8	J		NA
					BUTYL BENZYL PHTHALATE	3.0	J		NA
					DI-N-BUTYL PHTHALATE	8.0	J		NA
05NEW1	203	17-Aug-95	64	1	DI-N-BUTYL PHTHALATE	0.5	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	8.0	J	4.0	2
		3-Jun-93	64	0					
		3-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	8.0	J	4.0	2
		3-Jun-93	64	0					
		17-Aug-95	64	0					
		8-Dec-95	64	0					
		29-Jan-96	64	0					
		13-Nov-96	64	0					
		13-Mar-97	64	1	DIETHYL PHTHALATE	8.0	J		NA
06_DGMW69	190	2-Dec-92	64	1	PHENOL	14.0		5.0	3
		7-Jul-93	64	0					
		2-Feb-96	64	0					
		12-Mar-97	64	0					
06_UGMW28	180	13-Nov-92	64	1	BENZYL BUTYL PHTHALATE	3.0	J		NA
		9-Jul-93	64	0					
		16-Feb-96	64	0					
		3-Dec-96	64	0					
		12-Mar-97	64	0					
07_DBMW43	190	1-Dec-92	64	0					
		29-Jun-93	64	0					
07_DBMW100	165	8-Dec-92	64	0					
		4-Jun-93	64	0					
07_DGMW70	155	8-Dec-92	64	0					
		29-Jun-93	64	0					
07_DGMW71	155	15-Dec-92	64	0					
		22-Jun-93	64	0					
07_DGMW72	150	19-Nov-92	64	0					
		21-Jul-93	64	0					
		15-Oct-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	4.0	J	4.0	2
		13-Feb-96	64	0					
		21-Nov-96	64	1	DIETHYL PHTHALATE	20.0			NA
		20-Mar-97	64	1	BUTYL BENZYL PHTHALATE	1.0	J		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					
		20-Mar-97	64	2	DIETHYL PHTHALATE	0.8	J		NA
					BUTYL BENZYL PHTHALATE	1.0	J		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
08_DGMW74	130	16-Nov-92	64	0					
		16-Nov-92	64	0					
		20-Jul-93	64	0					
		14-Feb-96	64	0					
		19-Mar-97	64	1	BUTYL BENZYL PHTHALATE	1.0	J		NA
		19-Mar-97	64	1	BUTYL BENZYL PHTHALATE	1.0	J		NA
08_UGMW29	135	8-Dec-92	64	0					
		9-Jul-93	64	0					
		9-Jul-93	64	0					
		14-Feb-96	64	0					
		12-Mar-97	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	3.0	J	4.0	2
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	19.0			NA
		13-Aug-93	64	0					
		14-Feb-96	64	0					
		3-Dec-96	64	1	BUTYL BENZYL PHTHALATE	1.6	J		NA
		24-Mar-97	64	1	DIETHYL PHTHALATE	5.0	J		NA
12_DBMW48	135	17-Nov-92	64	0					
		27-Jul-93	64	0					
		16-Feb-96	64	0					
		17-Mar-97	64	1	BUTYL BENZYL PHTHALATE	1.0	J		NA
		17-Mar-97	64	3	DI-N-BUTYL PHTHALATE	22.0			NA
					DIETHYL PHTHALATE	1.0	J		NA
					BUTYL BENZYL PHTHALATE	3.0	J		NA
12_UGMW31	145	8-Oct-92	64	0					
		7-Jul-93	64	0					
		14-Feb-96	64	0					
		25-Mar-97	64	1	BUTYL BENZYL PHTHALATE	0.9	J		NA
13_DBMW49	182	16-Nov-92	64	0					
		30-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	3.0	J	4.0	2
		30-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	5.0	J	4.0	2
		6-Feb-96	64	0					
		19-Nov-96	64	0					
		19-Mar-97	64	0					
13_DGMW78	167	23-Nov-92	64	0					
		16-Jun-93	64	0					
		1-Feb-96	64	0					
		19-Mar-97	64	1	DIETHYL PHTHALATE	15.0			NA
13_UGMW32	184	28-Oct-92	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	26.0		4.0	2
		28-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	4.0	J	4.0	2
		5-Feb-96	64	0					
		10-Mar-97	64	0					
14_DBMW50	160	2-Dec-92	64	0					
		29-Jun-93	64	0					
		5-Feb-96	64	1	DIETHYL PHTHALATE	27.0			NA
		5-Feb-96	64	1	DIETHYL PHTHALATE	38.0			NA
		17-Mar-97	64	0					

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
14_DGMW79	158	20-Nov-92	64	0					
		16-Jun-93	64	0					
		5-Feb-96	64	1	DIETHYL PHTHALATE	21.0			NA
		17-Mar-97	64	1	DIETHYL PHTHALATE	1.0	J		NA
		17-Mar-97	64	2	DI-N-BUTYL PHTHALATE	10.0			NA
					BUTYL BENZYL PHTHALATE	1.0	J		NA
15_DBMW51	165	4-Dec-92	64	0					
		13-Aug-93	64	0					
		8-Oct-93	64	1	PHENOL	3.0	J	5.0	3
		6-Feb-96	64	0					
		3-Dec-96	64	1	BUTYL BENZYL PHTHALATE	2.2	J		NA
		25-Mar-97	64	0					
16_DBMW52	222	4-Nov-92	64	0					
		14-Jul-93	64	0					
		7-Feb-96	64	0					
		19-Mar-97	64	1	DIETHYL PHTHALATE	7.0	J		NA
16_DGMW81	216	11-Dec-92	64	0					
		24-Jun-93	64	0					
		24-Jun-93	64	0					
		8-Feb-96	64	0					
		5-Mar-97	64	1	DI-N-BUTYL PHTHALATE	3.0	J		NA
16_UGMW33	220	17-Dec-92	64	0					
		14-Jul-93	64	0					
		14-Jul-93	64	0					
		7-Feb-96	64	0					
		19-Mar-97	64	1	DIETHYL PHTHALATE	9.0	J		NA
17_DGMW82	255	8-Feb-93	64	0					
		3-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	7.0	J	4.0	2
		3-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	10.0	J	4.0	2
		6-Dec-95	64	0					
		9-Feb-96	64	0					
		20-Nov-96	64	0					
		1-Apr-97	64	0					
17NEW1	226	6-Dec-95	64	0					
		12-Jan-96	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	0.8	BJ	4.0	2
					DI-N-BUTYL PHTHALATE	0.2	BJ		NA
		20-Nov-96	64	0					
		24-Mar-97	64	1	DIETHYL PHTHALATE	3.0	J		NA
17NEW2	123	3-Jan-96	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	5.0	BJ	4.0	2
					DI-N-BUTYL PHTHALATE	1.0	BJ		NA
		20-Nov-96	64	0					
		20-Nov-96	64	0					
		24-Mar-97	64	1	DI-N-BUTYL PHTHALATE	5.0	J		NA
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					

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_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_BGMP08C	307	15-Oct-92	64	0					
		10-Jun-93	64	0					
18_BGMP08D	136	13-Oct-92	64	0					
		15-Oct-92	64	0					
		14-Jun-93	64	0					
		15-Jun-93	64	0					
18_BGMP08E	71	12-Oct-92	64	0					
		10-Jun-93	64	0					
		10-Jun-93	64	0					
18_BGMP09A	463	23-Oct-92	64	0					
		22-Jun-93	64	0					
18_BGMP09B	385	23-Oct-92	64	0					
		21-Jun-93	64	0					
18_BGMP09C	268	22-Oct-92	64	0					
		18-Jun-93	64	0					
18_BGMP09D	232	21-Oct-92	64	0					
		17-Jun-93	64	0					
18_BGMP09E	143	20-Oct-92	64	0					
		20-Oct-92	64	0					
		23-Jun-93	64	0					
		24-Jun-93	64	0					
18_BGMP09F	69	19-Oct-92	64	0					
		16-Jun-93	64	0					
18_BGMP10A	1011	20-Jan-93	64	0					
		30-Jul-93	64	0					
18_BGMP10B	896	25-Jan-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	2.0	J	4.0	2
		25-Jan-93	64	0					
		30-Jul-93	64	0					
		23-Jan-96	64	1	DIETHYL PHTHALATE	11.0			NA
		19-Nov-96	64	0					
		20-Mar-97	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	4.0	J	4.0	2
		23-Jan-96	64	0					
		19-Nov-96	64	0					
		20-Mar-97	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					

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_BGMW01A	486	11-Dec-92	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	7.0	J	4.0	2
		1-Jul-93	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	15.0		4.0	2
					N-NITROSODIPHENYLAMINE	43.0			NA
		1-Jul-93	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	10.0	J	4.0	2
					N-NITROSODIPHENYLAMINE	38.0			NA
		26-Jan-96	64	1	N-NITROSODIPHENYLAMINE	49.0			NA
		26-Jan-96	64	1	N-NITROSODIPHENYLAMINE	51.0			NA
		8-Nov-96	64	1	N-NITROSODIPHENYLAMINE	24.0			NA
		14-Mar-97	64	1	N-NITROSODIPHENYLAMINE	26.0			NA
18_BGMW01B	416	14-Dec-92	64	0					
		22-Jun-93	64	1	N-NITROSODIPHENYLAMINE	5.0	J		NA
		26-Jan-96	64	0					
		6-Nov-96	64	0					
		11-Mar-97	64	0					
18_BGMW01C	350	16-Dec-92	64	0					
		24-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	2.0	J	4.0	2
		23-Jan-96	64	0					
		5-Nov-96	64	0					
		11-Mar-97	64	2	DIETHYL PHTHALATE	0.7	J		NA
					DI-N-BUTYL PHTHALATE	2.0	J		NA
18_BGMW01D	262	9-Dec-92	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	2.0	J	4.0	2
		23-Jan-96	64	1	NAPHTHALENE	35.0			NA
		1-Nov-96	64	3	2-METHYLNAPHTHALENE	4.2	J		NA
					DI-N-BUTYL PHTHALATE	4.3	J		NA
					NAPHTHALENE	46.0			NA
		10-Mar-97	64	4	DIETHYL PHTHALATE	11.0			NA
					NAPTHALENE	38.0			NA
					DI-N-BUTYL PHTHALATE	2.0	J		NA
					2-METHYLNAPHTHALENE	5.0	J		NA
18_BGMW01E	225	27-Oct-92	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	19.0		4.0	2
		27-Oct-92	64	0					
		18-Jun-93	64	0					
		5-Feb-96	64	0					
		1-Nov-96	64	1	DI-N-BUTYL PHTHALATE	3.4	J		NA
		27-Mar-97	64	1	DIETHYL PHTHALATE	3.0	J		NA
18_BGMW02A	482	21-Dec-92	64	0					
		8-Jun-93	64	1	N-NITROSODIPHENYLAMINE	11.0			NA
		19-Jan-96	64	0					
		19-Nov-96	64	1	N-NITROSODIPHENYLAMINE	15.0			NA
		13-Mar-97	64	2	N-NITROSODIPHENYLAMINE	11.0			NA
					DIETHYL PHTHALATE	4.0	J		NA
18_BGMW02C	378	22-Dec-92	64	0					
		22-Dec-92	64	0					
		9-Jun-93	64	0					
18_BGMW02D	314	18-Dec-92	64	0					
		15-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	5.0	J	4.0	2
		15-Jun-93	64	0					
		17-Jan-96	64	0					
		6-Nov-96	64	0					
		13-Mar-97							

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_BGMW02E	233	21-Sep-92	64	0					
		15-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	5.0	J	4.0	2
		1-Feb-96	64	0					
		1-Nov-96	64	1	DI-N-BUTYL PHTHALATE	4.1	J		NA
		27-Mar-97	64	1	DIETHYL PHTHALATE	14.0			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	5.0	J	4.0	2
		14-Jul-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	6.0	J	4.0	2
		29-Feb-96	64	1	DIETHYL PHTHALATE	13.0			NA
		7-Nov-96	64	0					
		21-Mar-97	64	1	BUTYL BENZYL PHTHALATE	0.9	J		NA
18_BGMW03C	242	17-Dec-92	64	0					
		15-Jul-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	8.0	J	4.0	2
		12-Feb-96	64	0					
		7-Nov-96	64	0					
		21-Mar-97	64	2	BUTYL BENZYL PHTHALATE	1.0	J		NA
					DIETHYL PHTHALATE	2.0	J		NA
18_BGMW03E	164	17-Dec-92	64	0					
		17-Dec-92	64	0					
		15-Jul-93	64	0					
18_BGMW04A	306	30-Sep-92	64	0					
		16-Jul-93	64	0					
18_BGMW04B	210	29-Sep-92	64	0					
		13-Jul-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	2.0	J	4.0	2
		13-Jul-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	4.0	J	4.0	2
		19-Jan-96	64	0					
		14-Nov-96	64	0					
		18-Mar-97	64	1	DIETHYL PHTHALATE	3.0	J		NA
18_BGMW05A	482	15-Dec-92	64	0					
		8-Jul-93	64	1	N-NITROSODIPHENYLAMINE	57.0			NA
		8-Jul-93	64	1	N-NITROSODIPHENYLAMINE	57.0			NA
		26-Jan-96	64	1	N-NITROSODIPHENYLAMINE	12.0			NA
		26-Jan-96	64	1	N-NITROSODIPHENYLAMINE	15.0			NA
		9-Jan-97	64	0					
		27-Mar-97	64	1	DIETHYL PHTHALATE	7.0	J		NA
18_BGMW05B	341	11-Nov-92	64	0					
		8-Jul-93	64	0					
18_BGMW05C	245	10-Nov-92	64	0					
		10-Nov-92	64	0					
		9-Jul-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	3.0	J	4.0	2
		29-Feb-96	64	0					
		7-Nov-96	64	0					
		19-Mar-97	64	2	DIETHYL PHTHALATE	58.0			NA
					BUTYL BENZYL PHTHALATE	1.0	J		NA
18_BGMW05D	133	3-Nov-92	64	0					
		12-Jul-93	64	0					
		3-Dec-96	64	0					
18_BGMW07	65	9-Dec-92	64	0					
		18-Jun-93	64	0					

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_BGMW12	205	9-Nov-92	64	0					
18_BGMW14	115	20-Oct-92	64	0					
		19-Oct-93	64	0					
18_BGMW15	215	30-Oct-92	64	0					
		9-Jul-93	64	0					
		2-Feb-96	64	0					
		8-Nov-96	64	0					
		19-Mar-97	64	1	DIETHYL PHTHALATE	0.8	J		NA
18_BGMW16	263	23-Oct-92	64	0					
		23-Oct-92	64	0					
		19-Jul-93	64	1	BENZYL BUTYL PHTHALATE	4.0	J		NA
		19-Jan-96	64	0					
		14-Nov-96	64	0					
		26-Mar-97	64	1	DIETHYL PHTHALATE	49.0			NA
18_BGMW17	255	22-Oct-92	64	0					
		12-Jul-93	64	0					
18_BGMW18	180	10-Nov-92	64	0					
		16-Jul-93	64	0					
18_BGMW19A	468	22-Dec-92	64	0					
		9-Jun-93	64	0					
18_BGMW19B	420	17-Dec-92	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	14.0		4.0	2
		11-Jun-93	64	0					
		11-Mar-96	64	0					
		4-Nov-96	64	1	DI-N-BUTYL PHTHALATE	3.7	J		NA
		10-Mar-97	64	3	DIETHYL PHTHALATE	35.0			NA
					DI-N-BUTYL PHTHALATE	1.0	J		NA
					BUTYL BENZYL PHTHALATE	2.0	J		NA
18_BGMW19C	277	24-Sep-92	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	3.0	J	4.0	2
		24-Sep-92	64	0					
		28-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	8.0	J	4.0	2
		29-Feb-96	64	0					
		5-Nov-96	64	0					
		10-Mar-97	64	2	BUTYL BENZYL PHTHALATE	1.0	J		NA
					DI-N-BUTYL PHTHALATE	2.0	J		NA
18_BGMW19D	170	25-Sep-92	64	0					
		14-Jun-93	64	0					
18_BGMW19E	138	12-Nov-92	64	0					
		14-Jun-93	64	0					
		14-Jun-93	64	0					
18_BGMW22	287	9-Dec-92	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	3.0	J	4.0	2
		28-Jun-93	64	0					
		22-Jan-96	64	0					
		14-Nov-96	64	0					
		20-Mar-97							
18_BGMW23	104	10-Dec-92	64	0					
		22-Jun-93	64	0					
18_BGMW24	71	12-Nov-92	64	0					
		9-Jul-93	64	0					

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_BGMW101	130	13-Nov-92	64	0					
		19-Jul-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	5.0	J	4.0	2
		29-Jan-96	64	0					
		14-Nov-96	64	1	DIETHYL PHTHALATE	11.0			NA
		18-Mar-97	64	0					
		18-Mar-97	64	0					
18_DW135	135	22-Dec-92	64	0					
		22-Dec-92	64	0					
18_DW250	250	21-Dec-92	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	17.0		4.0	2
					DIMETHYL PHTHALATE	200.0			NA
		6-Jul-93	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	10.0	J	4.0	2
					DIMETHYL PHTHALATE	140.0			NA
		31-Jan-96	64	0					
		5-Nov-96	64	0					
18_DW350	350	11-Jan-93	64	1	DIMETHYL PHTHALATE	220.0			NA
		15-Jun-93	64	1	DIMETHYL PHTHALATE	150.0			NA
		29-Jan-96	64	0					
		6-Nov-96	64	0					
		6-Mar-97	64	1	DI-N-BUTYL PHTHALATE	2.0	J		
18_DW450	450	12-Jan-93	64	1	DIMETHYL PHTHALATE	130.0			NA
		30-Jun-93	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	8.0	J	4.0	2
					DIMETHYL PHTHALATE	540.0	D		NA
		29-Jan-96	64	0					
		5-Nov-96	64	0					
		6-Mar-97	64	1	DI-N-BUTYL PHTHALATE	5.0	J		NA
18_DW540	540	13-Jan-93	64	1	DIMETHYL PHTHALATE	120.0			NA
		1-Jul-93	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	4.0	J	4.0	2
					DIMETHYL PHTHALATE	520.0	D		NA
		30-Jan-96	64	0					
		6-Nov-96	64	0					
		6-Mar-97	64	2	DIETHYL PHTHALATE	1.0	J		NA
					DI-N-BUTYL PHTHALATE	3.0	J		NA
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					

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
18MCAS03-1	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					
		11-Mar-97	64	0					
18MCAS03-3	230	19-Nov-93	64	1	BENZYL BUTYL PHTHALATE	0.8	J		NA
		6-Feb-96	64	0					
		6-Nov-96	64	0					
		11-Mar-97	64	1	DIETHYL PHTHALATE	2.0	J		NA
18MCAS03-4	350	18-Nov-93	64	0					
18MCAS03-5	430	18-Nov-93	64	0					
18MCAS03-6	500	17-Nov-93	64	0					
18_MCAS04	238	4-Aug-93	64	1	DIMETHYL PHTHALATE	120.0			NA
		9-Feb-96	64	0					
		19-Nov-96	64	1	DIETHYL PHTHALATE	3.9	J		NA
		13-Mar-97	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	3.0	J	4.0	2
18_MCAS05	148	16-Jun-93	64	1	DIMETHYL PHTHALATE	74.0			NA
		16-Jun-93	64	1	DIMETHYL PHTHALATE	87.0			NA
18_MCAS05A	130	6-Feb-96	64	0					
		20-Nov-96	64	1	DIETHYL PHTHALATE	69.0			NA
		20-Nov-96	64	1	DIETHYL PHTHALATE	3.9	J		NA
		18-Mar-97	64	0					
18_MCAS06	222	16-Jun-93	64	1	DIMETHYL PHTHALATE	150.0			NA
		6-Feb-96	64	0					
		19-Nov-96	64	1	DIETHYL PHTHALATE	23.0			NA
		25-Mar-97	64	1	DIETHYL PHTHALATE	4.0	J		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	41.0			NA
		8-Feb-96	64	0					
		20-Nov-96	64	0					
		26-Mar-97	64	0					
18MCAS07-8	990	1-Nov-93	64	1	4-METHYLPHENOL	41.0			NA
		8-Feb-96	64	0					
		20-Nov-96	64	0					
		26-Mar-97	64	1	DIETHYL PHTHALATE	0.8	J		NA
18MCAS07-9	1110	2-Nov-93	64	2	4-METHYLPHENOL	29.0			NA
					BIS (2-ETHYLHEXYL) PHTHALATE	2.0	J	4.0	2
		25-Jan-96	64	0					
		20-Nov-96	64	0					
		26-Mar-97	64	1	DIETHYL PHTHALATE	5.0	J		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_MCAS08	410	5-Aug-93	64	1	DIMETHYL PHTHALATE	150.0			NA
		1-Feb-96	64	0					
		20-Nov-96	64	0					
		26-Mar-97	64	2	BUTYL BENZYL PHTHALATE	1.0	J		NA
					DIETHYL PHTHALATE	3.0	J		NA
18_MCAS09	445	5-Nov-93	64	1	DIMETHYL PHTHALATE	200.0	D		NA
		16-Jan-96	64	0					
		19-Nov-96	64	1	DI-N-BUTYL PHTHALATE	2.6	J		NA
		26-Mar-97	64	2	BUTYL BENZYL PHTHALATE	0.8	J		NA
					DIETHYL PHTHALATE	5.0	J		NA
18_MCAS10	375	4-Nov-93	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	3.0	J	4.0	2
					DIMETHYL PHTHALATE	310.0	D		NA
		19-Jan-96	64	1	BIS(2-ETHYLHEXYL)PHTHALATE	31.0		4.0	2
		19-Nov-96	64	1	DI-N-BUTYL PHTHALATE	3.2	J		NA
		18-Mar-97	64	0					
18_PS1	122	2-Jul-93	64	1	DIMETHYL PHTHALATE	110.0			NA
18_PS2	133	15-Dec-92	64	0					
		12-Jul-93	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	8.0	J	4.0	2
					DIMETHYL PHTHALATE	700.0	D		NA
		18-Jan-96	64	0					
		25-Nov-96	64	0					
		25-Mar-97	64	2	BUTYL BENZYL PHTHALATE	1.0	J		NA
					DIETHYL PHTHALATE	6.0	J		NA
18_PS3	122	10-Dec-92	64	0					
		7-Jun-93	64	0					
18_PS4	118	11-Dec-92	64	0					
		7-Jun-93	64	0					
18_PS5	126	16-Dec-92	64	0					
		8-Jun-93	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	5.0	J	4.0	2
					DIMETHYL PHTHALATE	740.0	D		NA
		22-Jan-96	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	10.0		4.0	2
					DIMETHYL PHTHALATE	27.0			NA
		11-Nov-96	64	0					
		17-Mar-97	64	1	BUTYL BENZYL PHTHALATE	1.0	J		NA
		17-Mar-97	64	1	BUTYL BENZYL PHTHALATE	1.0	J		NA
18_PS6	150	15-Dec-92	64	0					
		15-Dec-92	64	0					
18_PS7	126	16-Dec-92	64	0					
		2-Jul-93	64	1	DIMETHYL PHTHALATE	410.0	D		NA
		22-Jan-96	64	0					
		8-Nov-96	64	0					
		14-Mar-97	64	1	DIETHYL PHTHALATE	6.0	J		NA
18_PS8	145	14-Dec-92	64	0					
		6-Jul-93	64	1	DIMETHYL PHTHALATE	360.0	D		NA
		26-Jan-96	64	0					
		25-Nov-96	64	1	DIETHYL PHTHALATE	13.0			NA
		20-Mar-97	64	0					

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_RW1	470	14-Dec-92	64	0					
		15-Dec-92	64	0					
		8-Jul-93	64	1	DIMETHYL PHTHALATE	420.0	D		NA
		23-Jan-96	64	0					
		8-Nov-96	64	1	DIETHYL PHTHALATE	16.0			NA
		17-Mar-97	64	3	DIETHYL PHTHALATE	1.0	J		NA
					BUTYL BENZYL PHTHALATE	2.0	J		NA
					DI-N-BUTYL PHTHALATE	4.0	J		NA
		17-Mar-97	64	3	BUTYL BENZYL PHTHALATE	2.0	J		NA
					DI-N-BUTYL PHTHALATE	2.0	J		NA
					DIETHYL PHTHALATE	6.0	J		NA
18_RW2	310	22-Dec-92	64	0					
		13-Jul-93	64	1	DIMETHYL PHTHALATE	130.0			NA
		24-Jan-96	64	0					
		8-Nov-96	64	0					
		14-Mar-97	64	0					
18_RW3	390	4-Jun-93	64	1	DIMETHYL PHTHALATE	270.0	D		NA
18_RW4	85	7-Jun-93	64	2	BIS (2-ETHYLHEXYL) PHTHALATE	8.0	J	4.0	2
					DIMETHYL PHTHALATE	83.0			NA
19_DBMW54	181	18-Dec-92	64	0					
		22-Jun-93	64	0					
19_DGMW85	183	16-Dec-92	64	0					
		16-Dec-92	64	0					
		10-Jun-93	64	0					
19_DGMW86	198	17-Dec-92	64	0					
		11-Jun-93	64	0					
19_UGMW35	185	8-Dec-92	64	0					
		15-Jul-93	64	0					
		12-Sep-92	64	0					
20_DBMW55	227	9-Dec-92	64	0					
		17-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	23.0		4.0	2
		27-Feb-96	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	34.0		4.0	2
		14-Nov-96	64	1	DIETHYL PHTHALATE	40.0			NA
		5-Mar-97	64	2	DIETHYL PHTHALATE	11.0			NA
					DI-N-BUTYL PHTHALATE	2.0	J		NA
20_DGMW88	225	4-Nov-92	64	0					
		17-Jun-93	64	1	BIS (2-ETHYLHEXYL) PHTHALATE	22.0		4.0	2
		1-Feb-96	64	0					
		25-Nov-96	64	0					
		20-Mar-97	64	3	DI-N-BUTYL PHTHALATE	18.0			NA
					DIETHYL PHTHALATE	1.0	J		NA
					BUTYL BENZYL PHTHALATE	3.0	J		NA
20_UGMW36	223	28-Oct-92	64	0					
		18-Jun-93	64	0					
21_DBMW56	132	18-Nov-92	64	0					
		18-Nov-92	64	0					
		24-Jun-93	64	0					
21_DGMW90	135	18-Dec-92	64	0					
		10-Jun-93	64	0					
21_UGMW37	130	13-Nov-92	64	0					
		7-Jul-93	64	0					

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL SEMIVOLATILE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
22_DBMW47	156	29-Sep-92	64	0					
		13-Jul-93	64	0					
		15-Feb-96	64	0					
		24-Mar-97	64						
24NEW1	245	30-Oct-95	64	0					
24NEW4	148	2-Nov-95	64	0					
24NEW5	250	26-Oct-95	64	0					
24NEW6	185	26-Oct-95	64	0					
24NEW7	158	31-Oct-95	64	0					
24NEW8	162	1-Nov-95	64	0					

EXPLANATION:

1) The 1996 and 1997 sample results listed in this table are as reported in the APCL laboratory analytical reports (Appendix E of the Groundwater Monitoring Reports).

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

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6.0 PESTICIDE AND HERBICIDE ANALYSES

In accordance with the Navy's SOW, Round 7 sampling did not include sampling and analysis for pesticides and polychlorinated biphenyls (PCBs) or herbicides. Recent analyses have confirmed prior sampling results and the existing database of pesticide/PCBs and herbicides results is considered sufficient for the current GWMP.

6.1 PESTICIDES AND PCBs

For reference, Table 6-1 summarizes the results of pesticide analyses (detected compounds only) from the prior sampling Rounds 3, 4, and 5 as well as results for pesticide analyses from sampling conducted during the Phase I RI and Phase II RI.

6.2 HERBICIDES

For reference, Table 6-2 summarizes the results of herbicide analyses (detected compounds only) from the prior sampling Rounds 3, 4 and 5 as well as results for herbicide analyses from the RI sampling rounds.

Table 6-1: SUMMARY OF PESTICIDES AND PCB 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					
		26-Mar-97	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					
		26-Mar-97	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					
		26-Mar-97	28	0					
02NEW1	135	26-Dec-95	28	0					
		4-Nov-96	28	0					
		26-Mar-97	28	0					
02NEW2	95	21-Dec-95	28	0					
		26-Nov-96	28	0					
		26-Mar-97	28	0					
02NEW3	225	28-Dec-95	28	0					
		7-Nov-96	28	0					
		24-Mar-97	28	0					
02NEW6	225	27-Dec-95	28	0					
		7-Nov-96	28	0					
		24-Mar-97	28	0					
02NEW7	143	27-Dec-95	28	0					
		8-Jan-97	28	0					
		20-Mar-97	28	0					
02NEW8A	104	27-Dec-95	28	0					
		7-Nov-96	28	0					
		25-Mar-97	28	0					

Table 6-1: SUMMARY OF PESTICIDES AND PCB 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
02NEW11	65	21-Dec-95	28	0					
		12-Nov-96	28	0					
		25-Mar-97	28	0					
02NEW12	249	28-Dec-95	28	1	HEPTACHLOR	0.027		0.01	2
		7-Nov-96	28	0					
		25-Mar-97	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					
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					
		17-Mar-97	28	0					
		17-Mar-97	28	0					
03_DGMW64	285	15-Jan-93	28	4	4,4'-DDT	0.108			NA
					BHC-GAMMA(LINDANE)	0.053		0.20	1
					DIELDRIN	0.113		0.05	3
					HEPTACHLOR	0.068		0.01	2
		2-Jun-93	28	0					
		26-Feb-96	28	0					
		12-Nov-96	28	0					
		4-Mar-97	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					
		4-Mar-97	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					
		6-Mar-97	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					
		5-Mar-97	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					
		4-Mar-97	28	0					

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL PESTICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
04_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					
		13-Mar-97	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					
		14-Mar-97	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					
		5-Mar-97	28	0					
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					
		13-Mar-97	28	0					
05NEW1		28-Dec-95	28	0					
		13-Nov-96	28	0					
		13-Mar-97	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					

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL PESTICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
07_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					
		20-Mar-97	28	1	ENDOSULFAN SULFATE	0.300			NA
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					
		19-Mar-97	28	1	ENDOSULFAN SULFATE	0.400			NA
		19-Mar-97	28	1	ENDOSULFAN SULFATE	0.400			NA
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					
		12-Mar-97	28	1	ENDOSULFAN SULFATE	0.600			NA
09_DBMW45	157	10-Dec-92	28	0					
	-	10-Dec-92	28	0					
		13-Jul-93	28	0					
09_DGMW75	154	1-Dec-92	28	0					
		12-Jul-93	28	0					
10_DGMW77	170	17-Nov-92	28	0					
		13-Aug-93	28	0					
12_DBMW48	135	17-Nov-92	28	0					
		27-Jul-93	28	0					
12_UGMW31	145	8-Oct-92	28	0					
		7-Jul-93	28	0					
13_DBMW49	182	16-Nov-92	28	0					
		30-Jun-93	28	0					
		30-Jun-93	28	0					

Table 6-1: SUMMARY OF PESTICIDES AND PCB 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
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					
		1-Apr-97	28	0					
17NEW1	226	12-Jan-96	28	0					
		20-Nov-96	28	0					
		24-Mar-97	28	0					
17NEW2	123	3-Jan-96	28	0					
		20-Nov-96	28	0					
		24-Mar-97	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					

Table 6-1: SUMMARY OF PESTICIDES AND PCB 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_BGMP06E	115	1-Oct-92	28	0					
		2-Aug-93	28	0					
18_BGMP08A	449	17-Oct-92	28	0					
		11-Jun-93	28	0					
18_BGMP08B	307	15-Oct-92	28	0					
		10-Jun-93	28	0					
18_BGMP08C	136	13-Oct-92	28	0					
		15-Oct-92	28	0					
		14-Jun-93	28	0					
		15-Jun-93	28	0					
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					

Table 6-1: SUMMARY OF PESTICIDES AND PCB 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_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					
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)	0.007		0.20	1
		27-Oct-92	28	1	BHC-GAMMA(LINDANE)	0.008		0.20	1
		18-Jun-93	28	0					
		5-Feb-96	28	0					
		1-Nov-96	28	0					
		27-Mar-97	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					

Table 6-1: SUMMARY OF PESTICIDES AND PCB 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_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					
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	0.014	J		NA
		24-Sep-92	28	0					
		28-Jun-93	28	0					
		29-Feb-96	28	0					
		5-Nov-96	28	0					
		10-Mar-97	28	1	ENDOSULFAN SULFATE	0.400			NA
18_BGMW19D	170	25-Sep-92	28	0					
		14-Jun-93	28	0					

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

Station ID	Base Screen Depth (Ft BGS)	Sample Date	ANALYSIS SUMMARY		TCL PESTICIDE COMPOUNDS DETECTED			REGULATORY	
			Number Compounds Analyzed	Number Compounds Detected	Compound Detected	Concent. ug/L	Qual. Flag	Standard ug/L	Code
18_BGMW19E	138	12-Nov-92	28	4	4,4'-DDT	0.141			NA
					BHC-GAMMA(LINDANE)	0.060		0.20	1
					DIELDRIN	0.136		0.05	3
					HEPTACHLOR	0.066		0.01	2
		14-Jun-93	28	0					
		14-Jun-93	28	0					
		6-Feb-96	28	0					
		20-Nov-96	28	0					
		20-Mar-97	28	0					
18_BGMW22	287	9-Dec-92	28	0					
		28-Jun-93	28	0					
18_BGMW23	104	10-Dec-92	28	0					
		22-Jun-93	28	0					
18_BGMW24	71	12-Nov-92	28	0					
		9-Jul-93	28	0					
18_BGMW101	130	13-Nov-92	28	0					
		19-Jul-93	28	0					
18_DW135	135	22-Dec-92	28	0					
		22-Dec-92	28	0					
18_DW250	250	21-Dec-92	28	0					
		6-Jul-93	28	0					
18_DW350	350	11-Jan-93	28	0					
		15-Jun-93	28	0					
18_DW450	450	12-Jan-93	28	0					
		30-Jun-93	28	0					
18_DW540	540	13-Jan-93	28	0					
		1-Jul-93	28	0					
18_MCAS02-1	50	9-Nov-93	28	0					
18_MCAS02-3	210	20-Nov-93	28	0					
18_MCAS02-4	380	11-Nov-93	28	0					
18_MCAS02-5	430	12-Nov-93	28	0					
18_MCAS02-6	500	15-Nov-93	28	0					
18_MCAS02-7	560	16-Nov-93	28	0					
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					

Table 6-1: SUMMARY OF PESTICIDES AND PCB 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_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					
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					
		14-Mar-97	28	1	ENDOSULFAN SULFATE	0.400			NA
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					

Table 6-1: SUMMARY OF PESTICIDES AND PCB 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_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 1996 and 1997 sample results listed in this table are as reported in the APCL laboratory analytical reports (Appendix E, Groundwater Monitoring Reports).

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

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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					
		26-Mar-97	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					
		26-Mar-97	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					
		26-Mar-97	8	0					
02NEW1	135	26-Dec-95	10	0					
		4-Nov-96	8	0					
		26-Mar-97	8	0					
02NEW2	95	21-Dec-95	10	0					
		26-Nov-96	8	0					
		26-Mar-97	8	0					
02NEW3	225	28-Dec-95	10	0					
		7-Nov-96	8	0					
		24-Mar-97	8	0					
02NEW6	225	27-Dec-95	10	0					
		7-Nov-96	8	0					
		24-Mar-97	8	0					
02NEW7	143	27-Dec-95	10	0					
		8-Jan-97	8	0					
		20-Mar-97	8	0					
02NEW8A	104	27-Dec-95	10	0					
		7-Nov-96	8	0					
		25-Mar-97	8	0					
02NEW11	65	21-Dec-95	10	0					
		12-Nov-96	8	0					
		25-Mar-97	8	0					
02NEW12	249	28-Dec-95	10	0					
		7-Nov-96	8	0					
		25-Mar-97	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
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					
		26-Mar-97	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					
		17-Mar-97	8	0					
		17-Mar-97	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					
		4-Mar-97	8	0					
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					
		4-Mar-97	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					
		6-Mar-97	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					
		13-Mar-97	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					
		14-Mar-97	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
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					
		5-Mar-97	8	0					
05NEW1	203	28-Dec-95	8	0					
		13-Nov-96	8	0					
		13-Mar-97	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					
		13-Mar-97	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					
		20-Mar-97	8	0					
08_DGMW74	130	16-Nov-92	10	0					
		16-Nov-92	10	0					
		20-Jul-93	10	0					
		19-Mar-97	8	0					
		19-Mar-97	8	0					
08_UGMW29	135	9-Jul-93	10	0					
		9-Jul-93	10	0					
		12-Mar-97	8	0					
12_DBMW48	135	17-Nov-92	10	0					
		27-Jul-93	10	0					
		16-Feb-96	8	0					
12_UGMW31	145	8-Oct-92	10	9	2,4 DICHLOROPHENOXY ACETIC ACID	8.56		70.00	1
					2,4,5-TP (SILVEX)	2.67		10.00	2
					2,4,5-TRICHLOROPHENOXYACETIC ACID	2.51			NA
					2,4-DB	2.88	J		NA
					DALAPON	2.46	J		NA
					DICAMBA	4.39			NA
					DICHLOROPROP	6.41			NA
					MCPA	3490.00			NA
					MCPP	3530.00			NA
		7-Jul-93	10	0					
		14-Feb-96	8	0					
		13-Nov-96	8	0					
15_DBMW51	165	8-Oct-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
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					
		1-Apr-97	8	0					
17NEW1	226	12-Jan-96	8	0					
		20-Nov-96	8	0					
		24-Mar-97	8	0					
17NEW2	123	3-Jan-96	8	0					
		20-Nov-96	8	0					
		24-Mar-97	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					
18_BGMP10A	1011	20-Jan-93	10	0					
18_BGMP10B	896	25-Jan-93	10	0					
		25-Jan-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_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					
		13-Mar-97	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					

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_BGMW04B	210	29-Sep-92	10	0					
		13-Jul-93	10	0					
		13-Jul-93	10	0					
18_BGMW05A	482	15-Dec-92	10	0					
		8-Jul-93	10	0					
		8-Jul-93	10	0					
18_BGMW05B	341	11-Nov-92	10	0					
		8-Jul-93	10	0					
18_BGMW05C	245	10-Nov-92	10	0					
		10-Nov-92	10	0					
		10-Nov-92	10	0					
		10-Nov-92	10	0					
		9-Jul-93	10	0					
18_BGMW05D	133	3-Nov-92	10	1	DICHLOROPROP	1.01			NA
		12-Jul-93	10	0					
18_BGMW101	130	13-Nov-92	10	1	DICHLOROPROP	0.67			NA
		19-Jul-93	10	0					
18_BGMW14	115	20-Oct-92	10	0					
		19-Oct-93	10	0					
18_BGMW15	215	9-Jul-93	10	0					
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					
		26-Mar-97	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					

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_BGMW24	71	9-Jul-93	10	0					
18_DW135	135	22-Dec-92	10	0					
		22-Dec-92	10	0					
18_DW250	250	21-Dec-92	10	0					
		6-Jul-93	10	0					
18_DW350	350	11-Jan-93	10	0					
		15-Jun-93	10	0					
18_DW450	450	12-Jan-93	10	0					
		30-Jun-93	10	0					
18_DW540	540	13-Jan-93	10	0					
		1-Jul-93	10	0					
18_PS1	122	2-Jul-93	10	0					
18_PS2	133	15-Dec-92	10	0					
		12-Jul-93	10	0					
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					
		17-Mar-97	8	0					
		17-Mar-97	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					

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
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 1996 and 1997 sample results listed in this table are as reported in the APCL laboratory analytical reports (Appendix E, Goundwater Monitoring Reports).

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 October 1997 sampling round, groundwater samples were collected from 27 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). Table 7-1 lists the analytical results from the current sampling round as well as metals results from the sampling rounds conducted from 1992 through July 1997.

7.1 CLP METALS

The CLP metals analyses include data for calcium, magnesium, potassium, and sodium, and 19 trace metals. During Round 7 sampling, elevated levels of iron, manganese, and nickel were detected in groundwater samples collected at several monitoring wells. Iron was detected in eight of the well samples analyzed at levels ranging from 11.3 μg/L to a maximum of 214 μg/L (Well 02NEW3). The maximum detected concentration of manganese was found in a sample from Well 01MW102 (121 μg/L). The highest concentrations of nickel reported during this sampling round were from wells 01MW102 (1,390 μg/L), 02NEW12 (754 μg/L), and 03_DGMW65X (711 μg/L).

7.2 HEXAVALENT CHROMIUM

In addition to CLP metals analysis, groundwater samples collected during Round 4 (November-December 1996) and Round 5 (March 1997) were analyzed for hexavalent chromium (chromium VI). In accordance with the Navy's SOW, no analyses for hexavalent chromium were performed during Round 7. Table 7-2 presents the hexavalent chromium and total chromium analytical results for wells sampled during Round 4 (CDM Federal, 1997a) and Round 5 (CDM Federal, 1997b).