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FINAL

GROUNDWATER MONITORING REPORT
JULY 1997 SAMPLING ROUND

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

Contract No. N68711-96-D-2029
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Prepared for:

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

Prepared by:

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

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GROUNDWATER MONITORING REPORT
JULY 1997 SAMPLING ROUND
for
MARINE CORPS AIR STATION
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CONTRACT NUMBER: N68711-96-D-2029, Delivery Order No. 005

Prepared by: Paul Bertucci 10/8/97
Paul Bertucci, R.G. Date
CDM Federal Programs Corporation
Senior Geologist

REGISTERED GEOLOGIST
PAUL F. BERTUCCI
No. 4438
Exp. 8/31/98
STATE OF CALIFORNIA

Approved by: Larry Davidson 10/8/97
Larry Davidson, P.E. Date
CDM Federal Programs Corporation
Project Manager

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LIST OF ACRONYMS

BCT	BRAC Cleanup Team
BGS	below ground surface
BRAC	Base Realignment and Closure
BTEX	benzene, toluene, ethylbenzene, and xylenes
CCl_4	carbon tetrachloride
CBCEC	California Base Closure Environmental Committee
CLEAN	Comprehensive Long-term Environmental Action Navy
CLP	Contract Laboratory Program
CRDL	contract-required detection limit
DBMW	deep boring (completed as) monitoring well
DVR	Data Validation Report
1,1-DCE	1,1-dichloroethene
1,2-DCE	1,2-dichloroethene
°C	degrees Celsius
DG	downgradient (monitoring well)
DNAPL	dense non-aqueous phase liquid
DO	dissolved oxygen
DTSC	(California) Department of Toxic Substances Control
EC	electrical conductivity
Eh	redox potential
EPA	U.S. Environmental Protection Agency
Freon 113	1,1,2-trichloro-1,2,2-trifluoroethane
ft	foot or feet
ft/day	feet per day
GMP	Groundwater Monitoring Plan
GWMP	Groundwater Monitoring Program
IAFS	Interim-Action Feasibility Study
L	liter
MCAS	Marine Corps Air Station
MCL	maximum contaminant level
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
OCWD	Orange County Water District
OU	Operable Unit

LIST OF ACRONYMS (continued)

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

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EXECUTIVE SUMMARY

This Groundwater Monitoring Report presents the results of the July 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 June through August 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 77 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 radio nuclide parameters. Comprehensive sampling of the groundwater monitoring wells at MCAS El Toro was last conducted in March 1997.

Overall, groundwater elevations in most of the shallow groundwater monitoring wells at MCAS El Toro have shown only slight increase or decrease from groundwater levels measured in February 1997. Groundwater elevations in wells completed in the principal aquifer have decreased from elevations measured in February 1997, specifically in the off-Station down gradient 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 early 1997.

In general, the distribution and concentrations of trichloroethane (TCE), tetrachloroethane (PCE), and carbon tetrachloride detected in July 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 down gradient off-Station monitoring wells/ports are generally lower than TCE concentrations measured in March 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 July 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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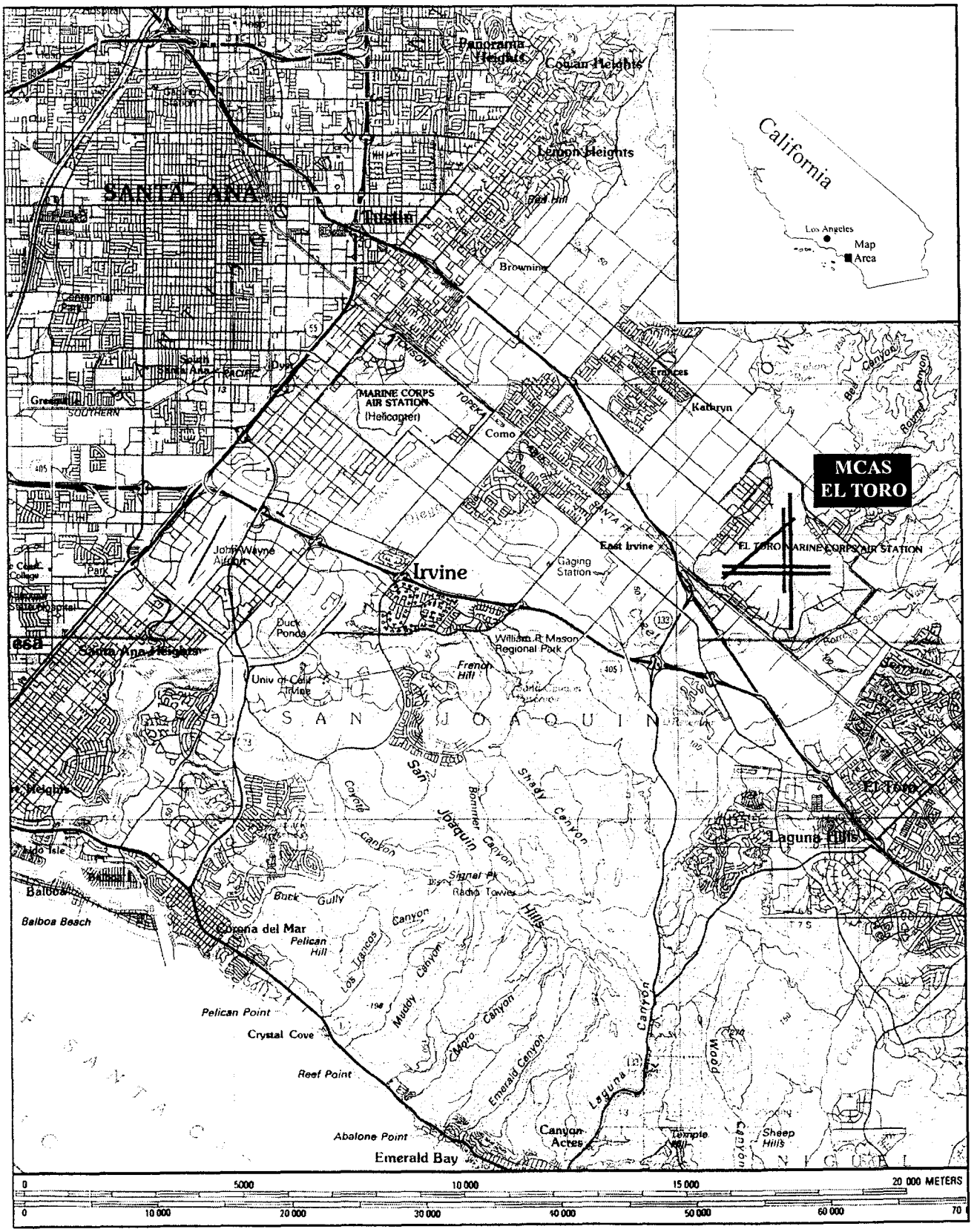

Map Source: USGS 30' x 60' Santa Ana sheet, 1983

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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). The current monitoring report presents the results of the July 1997 sampling round (Round 6) and monitoring well water level measurements collected in June and August 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.

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.

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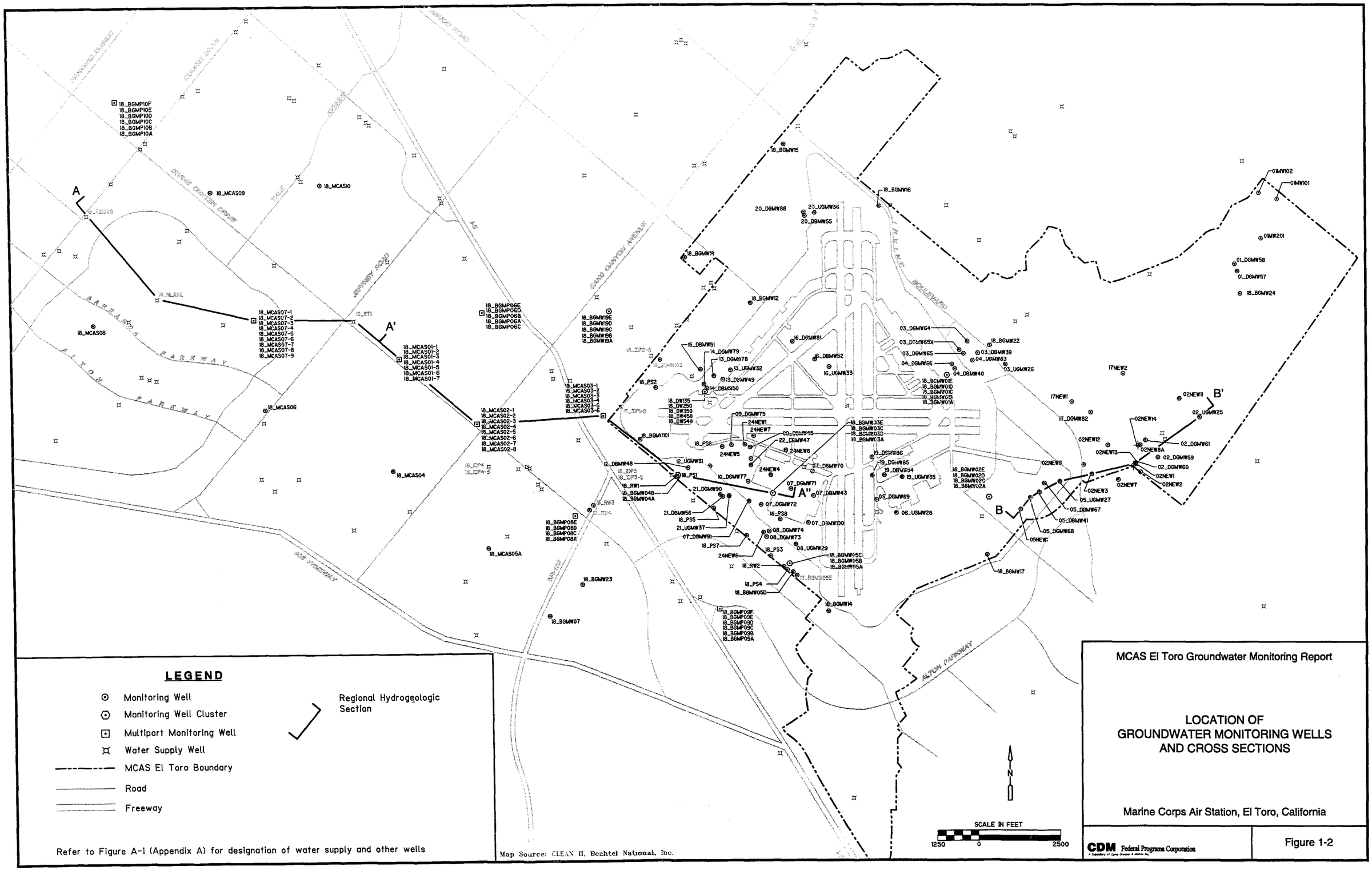
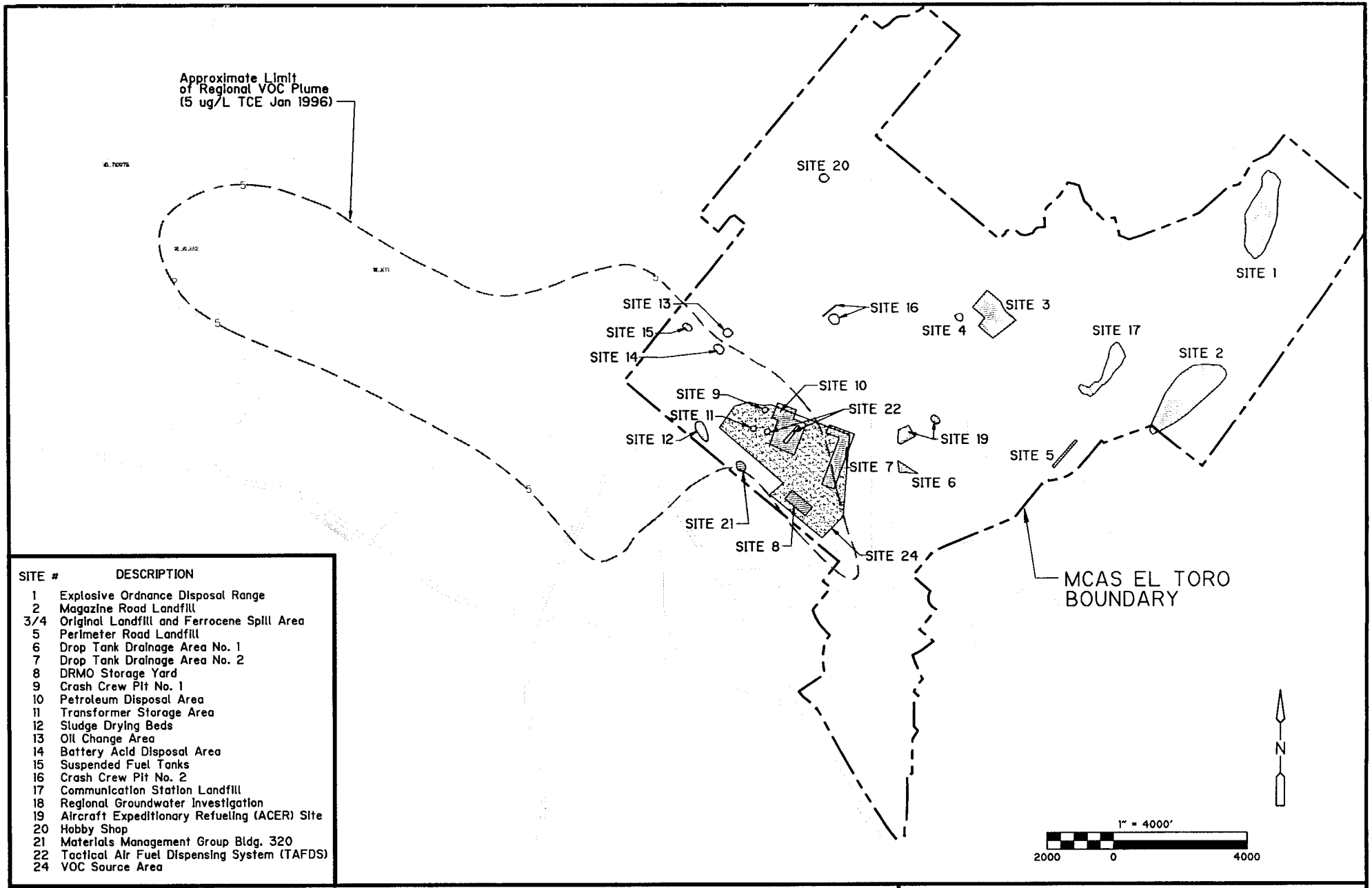

LEGEND
Monitoring Well
Monitoring Well Cluster
Multiport Monitoring Well
Water Supply Well
MCAS El Toro Boundary
Road
Freeway
Regional Hydrogeologic Section
Refer to Figure A-1 (Appendix A) for designation of water supply and other wells
Map Source: CLEAN II, Bechtel National, Inc.
SCALE IN FEET
1250
0
2500
N
A
A'
A"
B
B'
MCAS El Toro Groundwater Monitoring Report
LOCATION OF GROUNDWATER MONITORING WELLS AND CROSS SECTIONS
Marine Corps Air Station, El Toro, California
CDM Federal Programs Corporation
Figure 1-2



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

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Marine Corps Air Station, El Toro, California

Figure 1-3
LOCATION OF RI/FS SITES

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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

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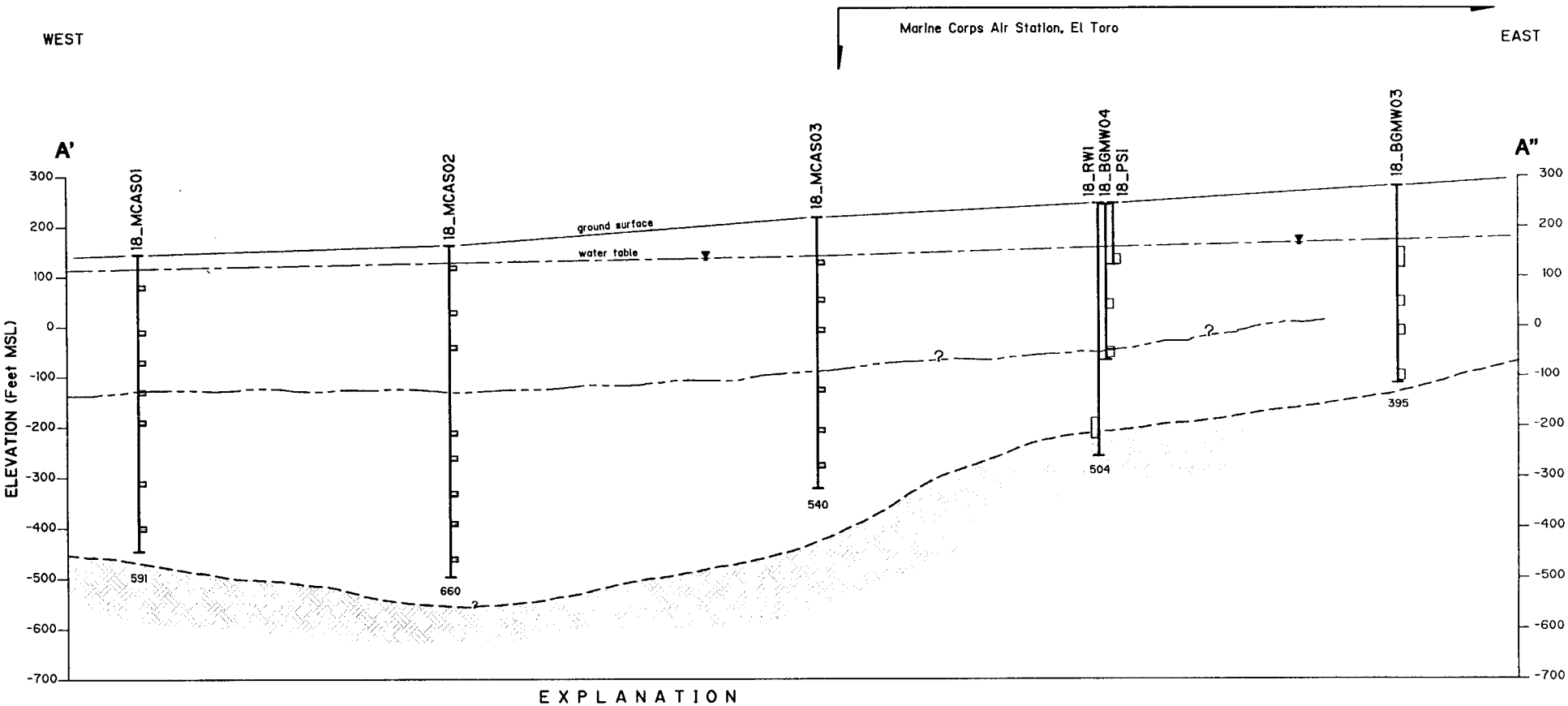

EXPLANATION

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

Screen interval of monitoring well/monitoring port

660 Total depth of monitoring well/boring, feet BGS

Unconsolidated alluvial sediments (undifferentiated)

Semiconsolidated low-permeability sediments (bedrock)

Approximate boundary between shallow groundwater unit and deeper production aquifer (Principal Aquifer)

Estimated contact between geologic units

500 0 1000
HORIZONTAL SCALE IN FEET

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Figure 1-4
HYDROGEOLOGIC SECTION A'-A"

1-9

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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 July 1997 groundwater sampling round. The content and organization of this report follow the format described in the *Final Groundwater Monitoring Plan* (Jacobs, 1995) and guidance entitled *Recommended Content and Presentation for Reporting Hydrogeologic Data During Site Investigations* by the California Base Closure Environmental Committee (CBCEC, 1993). Consistent with these guidance documents, the discussion and evaluation of the groundwater monitoring data and data trends will be addressed in a Final Groundwater Monitoring Report.

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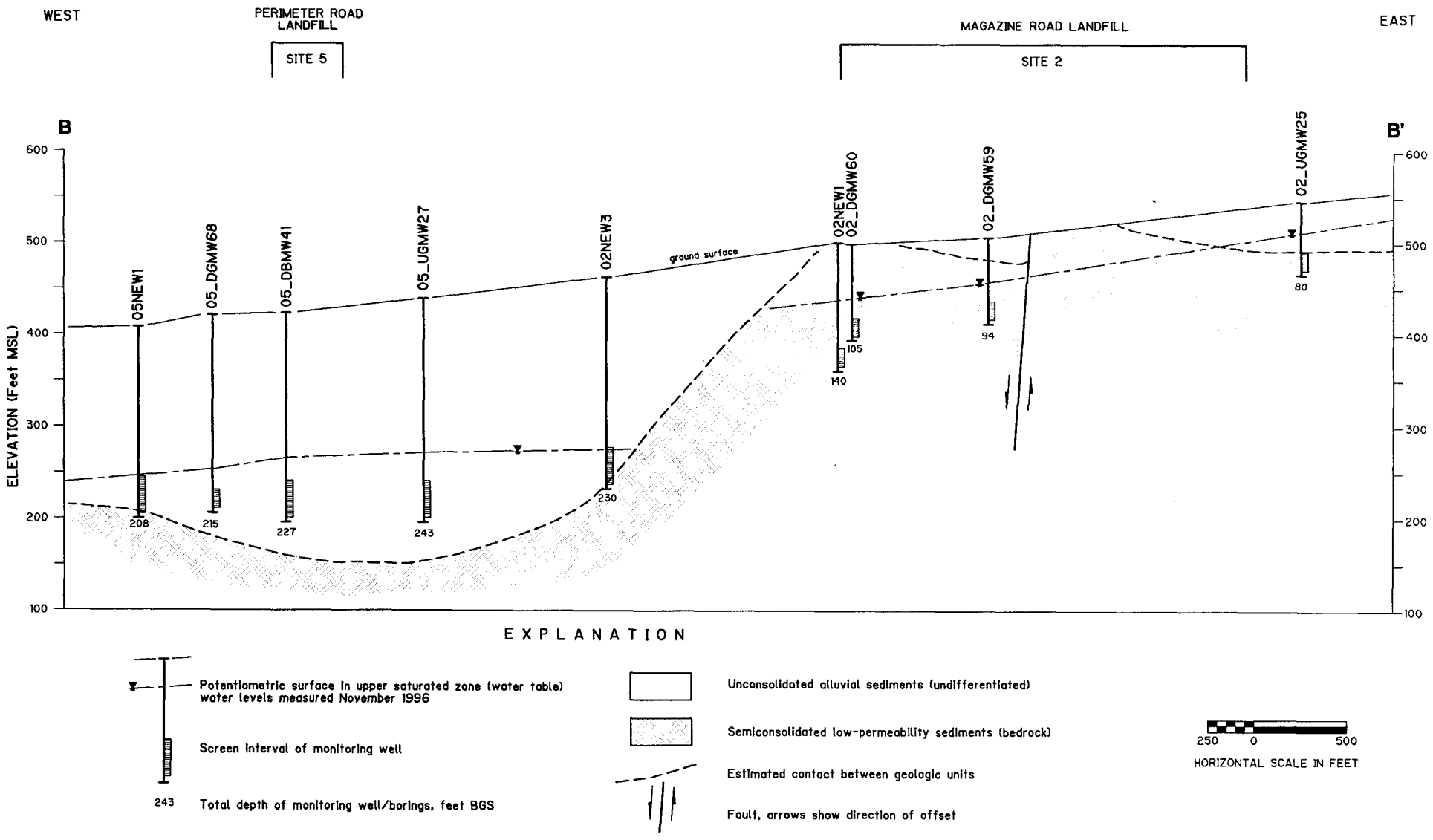

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Figure 1-5
HYDROGEOLOGIC SECTION B-B'

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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).

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2.0 SUMMARY OF JULY 1997 SAMPLING ROUND

From June through August 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 6, 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 6 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/probes. 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: June 26-27 and August 11-12, 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 June 26-27, 1997, water levels were measured at 176 monitoring wells and ports. Field teams could not access Well 17 NEW2 due to construction activity in the area. Field teams were unable to collect water level measurements at Well 17 DGMW82 because the well box was buried under soil and Well 18 RW2 because the lid to the well casing could not be opened. Access to Well 18 MCAS505A was restricted due to landscaping equipment and vehicles.

- On August 11-12, 1997, water levels were measured at 174 wells and ports. All five wells at Site 1 (01 MW101, 01 MW102, 01 MW201, 01 MW57, and 01 DGW58) were inaccessible due to military activity in the area. Field teams were still unable to collect water level measurements at Well 18 BGMW24 because the lid to the well casing could not be opened. Well 18RW1 was inaccessible due to thick vegetation in the area.

2.2 GROUNDWATER SAMPLING AND ANALYSES

In July 1997, groundwater samples were scheduled to be collected from 80 GWMP monitoring wells and ports specified in the Navy's SOW, and dated April 25, 1997. Three monitoring wells identified in the SOW were not sampled 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.

Groundwater samples collected during Round 6 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. Well purging and sampling logs are provided in Appendix F.

All of the groundwater monitoring wells and ports sampled during Round 6 were analyzed for VOCs using the U.S. EPA Contract Laboratory Program (CLP) method and included analysis for Freon 113. Additionally, all 77 GWMP 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 metals, site-specific analyses, including treatability parameters, gross alpha, gross beta, and selected radionuclides. All metals samples were filtered using a disposable groundwater filter in the field.

Table 2-1: GROUNDWATER SAMPLING AND ANALYSES
July 1997 Sampling Round, MCAS El Toro Groundwater Monitoring

Station ID	Date Sampled	ANALYSES					
		VOCs	Gross Alpha Gross Beta	Selected Radionuclides	Metals	General Chemistry	Treatability Parameters
01MW101	11-Jul-97	1	1	1	1	1	
01MW102	9-Jul-97	1	1	1	1	1	
01MW201	9-Jul-97	1	1	1	1	1	
02_DGMW59	3-Jul-97	1	1	1	1	1	
02_DGMW60	1-Jul-97	1	1	1	1	1	
02_DGMW61	2-Jul-97	1	1	1	1	1	
02_UGMW25	2-Jul-97	1	1	1	1	1	
02NEW1	1-Jul-97	1	1	1	1	1	
02NEW2	3-Jul-97	1	1	1	1	1	
02NEW3	2-Jul-97	1	1	1	1	1	
02NEW6	2-Jul-97	1	1	1	1	1	
02NEW7	11-Jul-97	1	1	1	1	1	
02NEW8A	2-Jul-97	1	1	1	1	1	
02NEW11	8-Jul-97	1	1	1	1	1	
02NEW12	30-Jun-97	1	1	1	1	1	
03_DBMW39	8-Jul-97	1	1	1	1	1	
03_DGMW64	30-Jun-97	1	1	1	1	1	
03_DGMW65X	30-Jun-97	1	1	1	1	1	
03_UGMW26	1-Jul-97	1	1	1	1	1	
04_DBMW40	30-Jun-97	1	1	1	1	1	
04_DGMW66	1-Jul-97	1	1	1	1	1	
04_UGMW63	Not Sampled						
05_DBMW41	8-Jul-97	1	1	1	1	1	
05_DGMW67	Not Sampled						
05_DGMW68	1-Jul-97	1	1	1	1	1	
05_UGMW27	9-Jul-97	1	1	1	1	1	
05NEW1	9-Jul-97	1	1	1	1	1	
07_DBMW43	3-Jul-97	1				1	
07_DGMW91	9-Jul-97	1				1	
07_DBMW100	10-Jul-97	1				1	
08_DGMW74	7-Jul-97	1				1	1
08_UGMW29	7-Jul-97	1				1	
09_DBMW45	8-Jul-97	1				1	
09_DGMW75	8-Jul-97	1				1	
10_DGMW77	10-Jul-97	1				1	

Table 2-1: GROUNDWATER SAMPLING AND ANALYSES
July 1997 Sampling Round, MCAS El Toro Groundwater Monitoring

Station ID	Date Sampled	ANALYSES					
		VOCs	Gross Alpha Gross Beta	Selected Radionuclides	Metals	General Chemistry	Treatability Parameters
13_DGMW78	9-Jul-97	1				1	
14_DBMW50	9-Jul-97	1				1	
14_DGMW79	9-Jul-97	1				1	
15_DBMW51	2-Jul-97	1				1	
16_DBMW52	11-Jul-97	1				1	
16_DGMW81	2-Jul-97	1				1	
16_UGMW33	10-Jul-97	1				1	
17_DGMW82	Not Sampled						
17NEW1	30-Jun-97	1				1	
17NEW2	30-Jun-97	1				1	
18_BGMW03C	8-Jul-97	1				1	
18_BGMW03E	8-Jul-97	1				1	1
18_BGMW04B	9-Jul-97	1				1	1
18_BGMW05D	7-Jul-97	1				1	1
18_BGMW101	9-Jul-97	1				1	
18_DW135	7-Jul-97	1				1	1
18_MCAS01-3	2-Jul-97	1				1	
18_MCAS01-4	2-Jul-97	1				1	
18_MCAS01-5	1-Jul-97	1				1	
18_MCAS02-3	2-Jul-97	1				1	
18_MCAS02-4	2-Jul-97	1				1	
18_MCAS02-5	2-Jul-97	1				1	
18_MCAS03-1	1-Jul-97	1				1	
18_MCAS03-2	1-Jul-97	1				1	
18_MCAS03-3	1-Jul-97	1				1	
18_MCAS04	14-Jul-97	1				1	
18_MCAS06	15-Jul-97	1				1	
18_MCAS07-3	10-Jul-97	1				1	
18_MCAS07-4	10-Jul-97	1				1	
18_MCAS07-5	10-Jul-97	1				1	

Table 2-1: GROUNDWATER SAMPLING AND ANALYSES
July 1997 Sampling Round, MCAS El Toro Groundwater Monitoring

Station ID	Date Sampled	ANALYSES					
		VOCs	Gross Alpha Gross Beta	Selected Radionuclides	Metals	General Chemistry	Treatability Parameters
18_MCAS08	14-Jul-97	1				1	
18_MCAS09	14-Jul-97	1				1	
18_MCAS10	15-Jul-97	1				1	
18_PS2	7-Jul-97	1				1	1
18_PS3	11-Jul-97	1				1	1
18_PS5	11-Jul-97	1				1	1
18_PS6	1-Jul-97	1				1	1
21_UGMW37	9-Jul-97	1				1	
22_DBMW47	8-Jul-97	1				1	
24NEW1	10-Jul-97	1				1	1
24NEW4	8-Jul-97	1				1	1
24NEW5	8-Jul-97	1				1	1
24NEW6	10-Jul-97	1				1	1
24NEW7	2-Jul-97	1				1	1
24NEW8	2-Jul-97	1				1	1
Total Samples		**77**	**25**	**25**	**25**	**77**	**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:

01MW101	05UGMW27	09DBMW45	21UGMW37
01MW102	05NEW1	09DGMW75	22DBMW47
01MW202	09DBMW45	15DBMW51	24NEW4
			24NEW7

3. Samples were not collected at the following wells:
   04UGMW63 : Pump failed.
   05DGMW67 : Controller box cut out, pump impeller was overheated.
   17DGMW82 : Pump failed.

4. Wells 01 MW101, 01 MW102, and 01 MW201 were resampled for VOCs on September 12, 1997 (see Section 2.2).

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Groundwater samples were collected daily during Round 6 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 in Irvine, California.

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

During the current sampling round, field teams occasionally encountered turbidity and dissolved oxygen readings beyond the expected range for these parameters (> 200 NTU turbidity and > 10.0 mg/L dissolved oxygen). Field teams recalibrated the YSI 6000 system when anomalous readings were obtained and consulted with the equipment manufacturer. According to the YSI technical staff, high or negative turbidity values may occur when (1) bubbles are present, (2) debris is captured under the probe wiper, and/or (3) the probe wiper is docked over the turbidity probe optics. Dissolved oxygen readings can be affected by a number of influences, including (1) bubbles beneath the probe membrane, (2) wrinkles or holes in the membrane, and/or (3) a high dissolved oxygen probe charge. Anomalous turbidity and dissolved oxygen measurements during groundwater sampling for Round 6 are footnoted in Table C-1 and discussed in Section 9.3.3.

During QC review of the laboratory results, several VOC detections were reported for the groundwater samples collected from Site (EOD Range) monitoring wells. Because the VOCs detected in Round 6 Sampling had not been previously detected in wells O1 MW101 and 01 MW201, resampling of all three Phase II Site 1 wells was conducted on September 10-12, 1997 to confirm and verify the July 1997 results. Past sampling has shown these wells to be low-rechange wells which go dry during purging even at low discharge rates. Accordingly,

each well was purged dry and sampled two days later after the well recovered. To provide an independent check on sampling method, a Teflon disposable boiler was used instead of the temporary sampling pump/tubing system used for the other non-dedicated pump wells sampled during Round 6. Refer to Section 9.3.1 for discussion of the VOC resampling results.

2.3 LOW-FLOW WELL PURGING AND SAMPLING

During Round 6, a total of 22 monitoring wells were 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 12 wells) and an additional 10 GWMP wells equipped with dedicated 2-inch submersible pumps were purged and sampled employing the low-flow purge technique (Table 2-2). One well (02 NEW07) did not contain a dedicated pump but was purged and sampled via low-flow by lowering a 2-inch submersible (Redi-Flo2) 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. For all wells purged and sampled using the low-flow method, neglible drawdown (i.e., less than 0.5 feet) was observed during purging. Accordingly, a purging rate of 0.5 gpm was used for all wells sampled by this method. Samples were collected after field parameters had stabilized and the minimum purge volume had been

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

Well Number	Date Purged and Sampled	Total Gallons Purged	Remarks / Purge Water Characteristics
02_DGMW59	3-Jul-97	6.25	clear water
02_DGMW60	1-Jul-97	8.0	clear water
02_DGMW61	2-Jul-97	8.0	clear water, few bubbles
02_UGMW25	2-Jul-97	6.0	clear water
02NEW1	1-Jul-97	10.0	clear water
02NEW2	3-Jul-97	8.0	clear water
02NEW3	2-Jul-97	17.0	initially brown, light grey, then clear water
02NEW6	2-Jul-97	17.0	initially orange then clear water
02NEW7	11-Jul-97	16.0	temporary pump installed 24 hours prior to purging, clear water, air bubbles observed.
02NEW8A	2-Jul-97	7.0	clear water
02NEW11	8-Jul-97	5.0	clear water
02NEW12	30-Jun-97	19.0	clear water
05_DBMW41	8-Jul-97	17.0	clear water
05NEW1	9-Jul-97	20.0	initially yellow then clear water
13_DGMW78	9-Jul-97	14.0	clear water
14_DBMW50	9-Jul-97	14.0	clear water
14_DGMW79	9-Jul-97	14.0	clear water
16_DBMW52	11-Jul-97	19.0	clear water
16_UGMW33	10-Jul-97	18.0	clear water
17NEW1	30-Jun-97	17.0	initially yellow then clear water
17NEW2	30-Jun-97	10.0	clear water
18_BGMW03E	8-Jul-97	13.0	orange water

EXPLANATION

1. All wells purged at 0.5 gallon per minute (gpm) discharge rate using Redi-Flo2 well pumps.
2. Flow rate during purging measured using graduated bucket and stopwatch.
3. Refer to Table 2-1 for samples collected and Appendix F for purging and sampling information.

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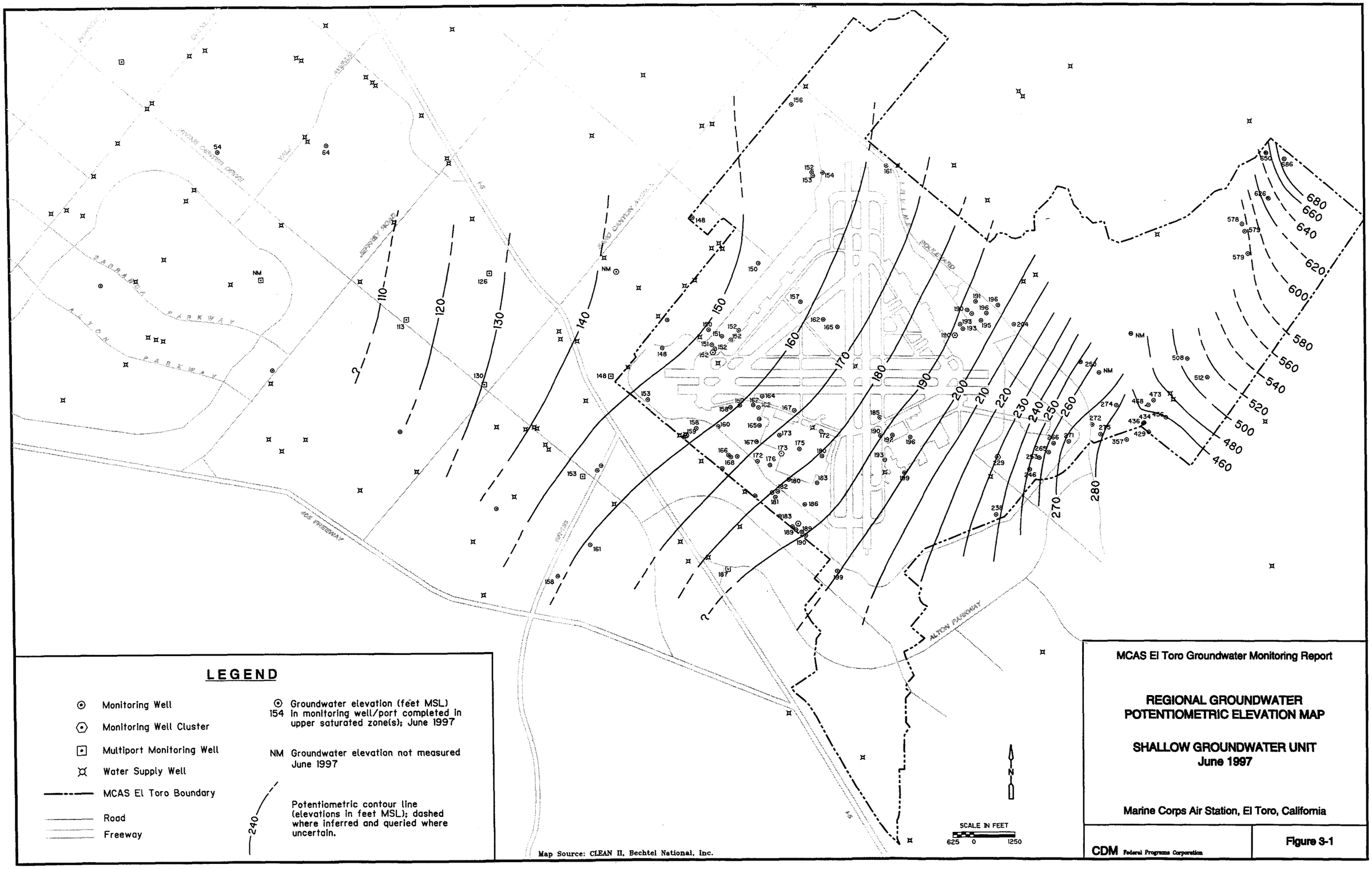
3.0 RESULTS OF WATER LEVEL MEASUREMENTS

Water level measurements were collected in June and August 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 June through August 1997, the elevation of groundwater in the shallow zone wells generally declined, on the order of 0.5 to 1.0 feet.

A potentiometric elevation map for the shallow groundwater unit generated in June 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 0.004 ft/ft in the central and western portions of the Station and to an average of 0.006 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).


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); June 1997
NM Groundwater elevation not measured June 1997
240 Potentiometric contour line (elevations in feet MSL); dashed where inferred and queried where uncertain.
Map Source: CLEAN II, Bechtel National, Inc.
SCALE IN FEET
625 0 1250
N
MCAS El Toro Groundwater Monitoring Report
REGIONAL GROUNDWATER POTENTIOMETRIC ELEVATION MAP
SHALLOW GROUNDWATER UNIT
June 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 June through August 1997, the elevation of groundwater in the principal aquifer monitoring wells generally decreased on the order of 4 to 12 ft. 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.

A potentiometric elevation map for the principal aquifer in June 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 0.003 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).

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.

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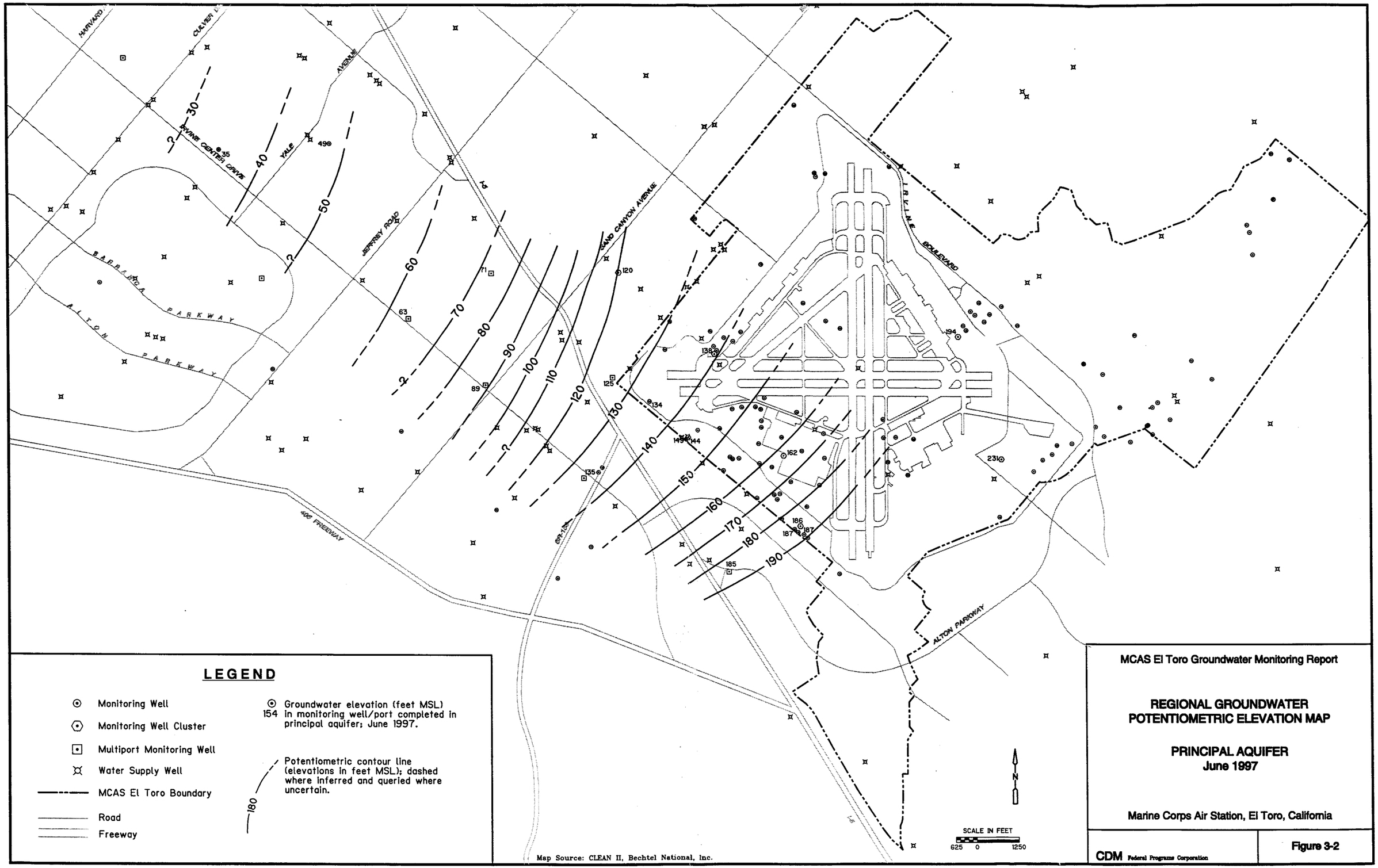

MCAS El Toro Groundwater Monitoring Report

REGIONAL GROUNDWATER POTENTIOMETRIC ELEVATION MAP

PRINCIPAL AQUIFER
June 1997

Marine Corps Air Station, El Toro, California

CDM Federal Programs Corporation

Figure 3-2

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 (March-August 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 Clusters. Figure 3-4 shows hydrographs for three wells completed at well cluster 18 BGMW02. A very consistent and gradually increasing elevation trend is indicated for the upper, intermediate, and deep wells at this location. Recent water levels indicate an overall increasing trend over the period January 1996 through August 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 current monitoring period, groundwater elevation has slightly declined in these wells. The water level measurements in Well 18 BGMW04B (intermediate depth completion) indicate fluctuations probably due to seasonal response to nearby pumping. Relative to early 1996 water levels, a pronounced decline in groundwater elevation occurred at this well in October 1996 and March 1997, which continues with the most recent measurements.

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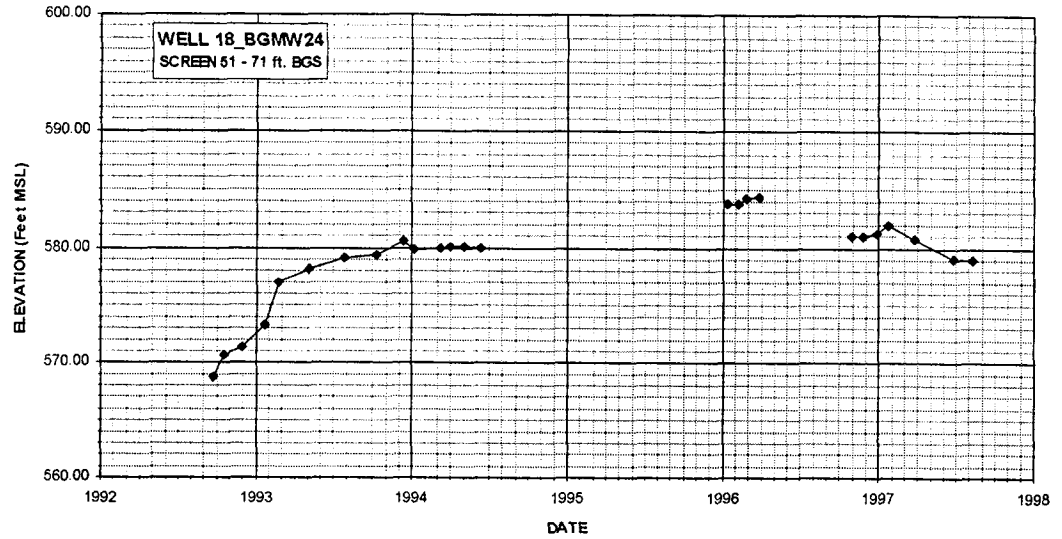
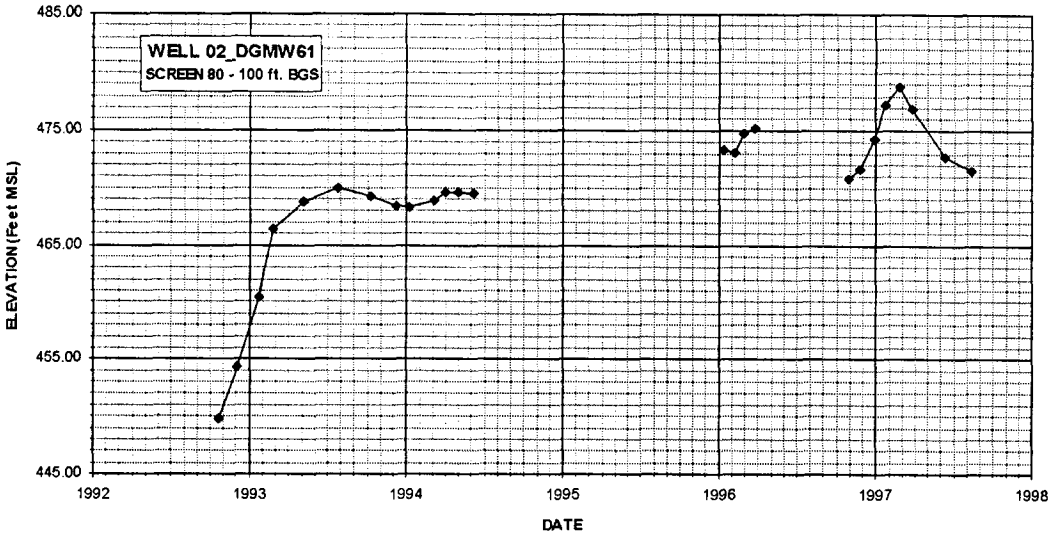
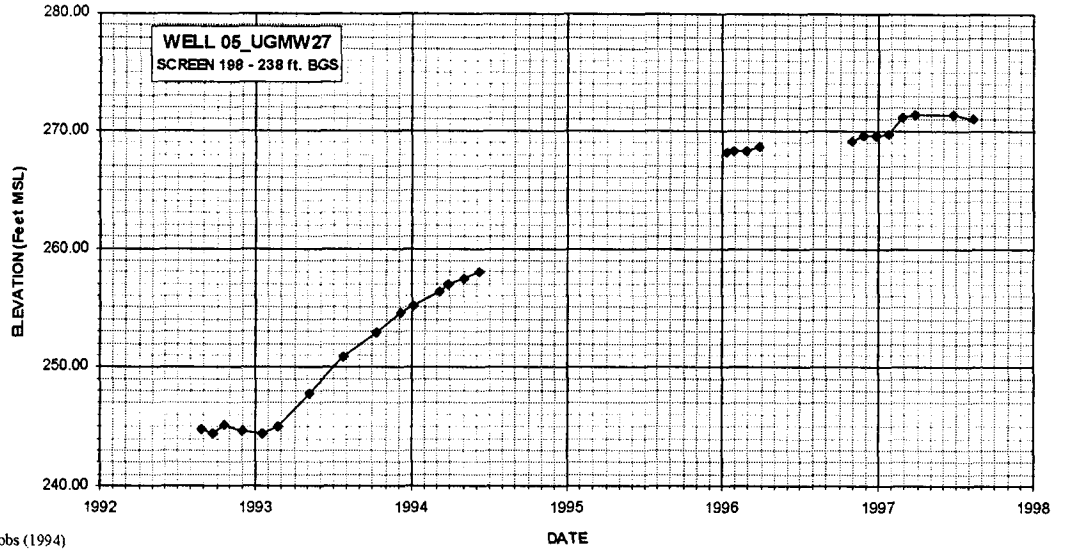




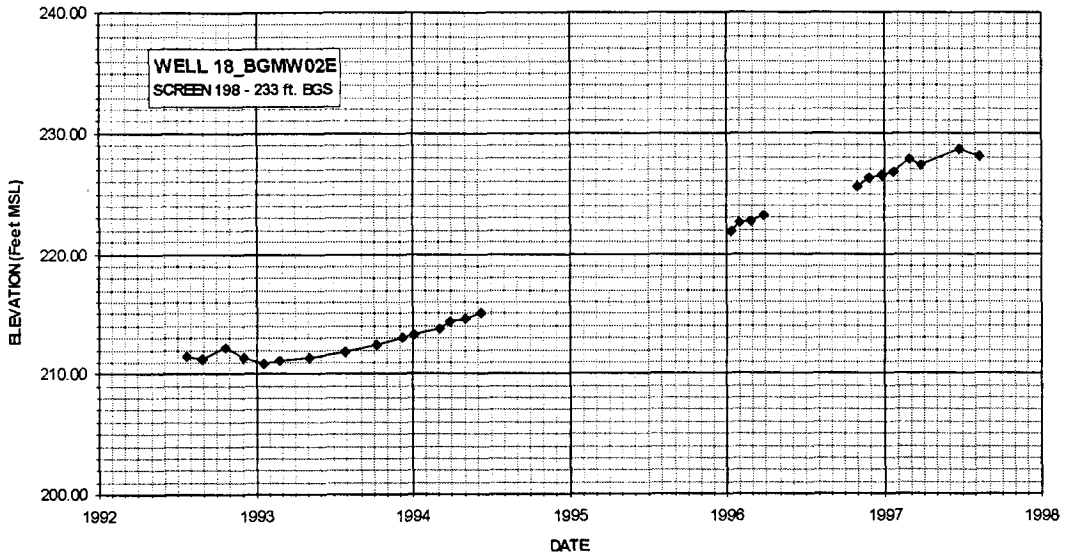


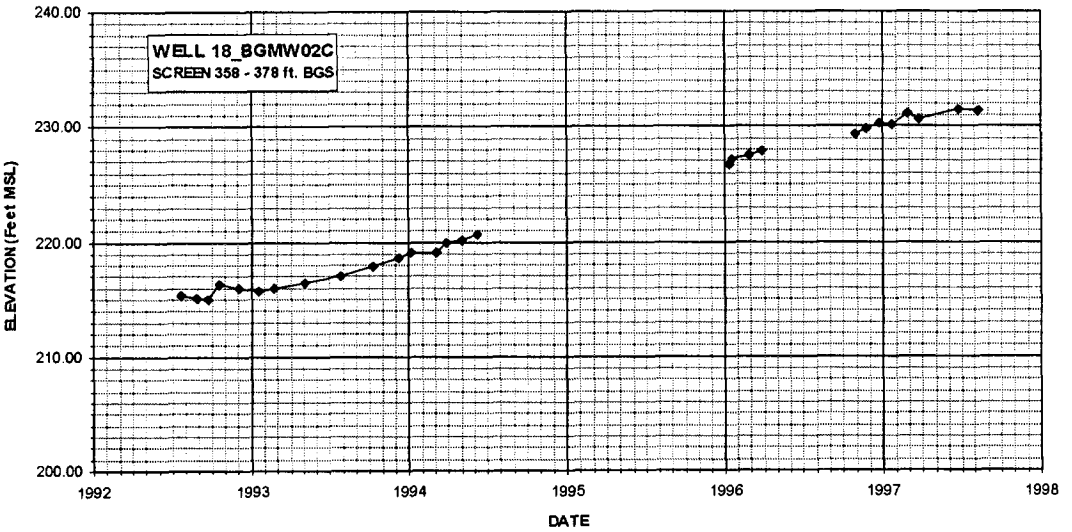
1992 - 1994 data from Jacobs (1994)

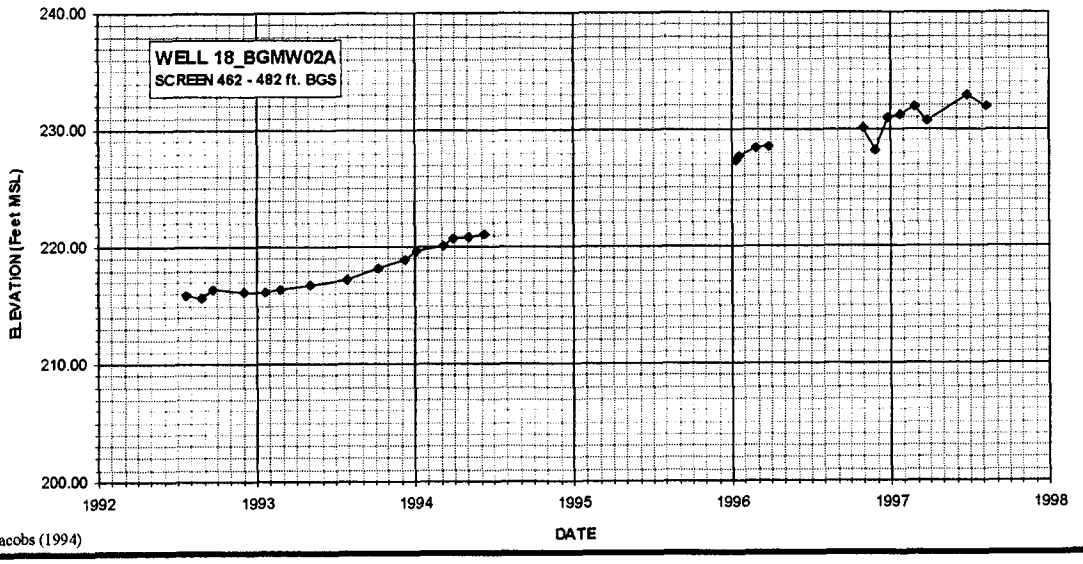
CDM FEDERAL PROGRAMS CORPORATION
a subsidiary of Camp Dresser & McKee Inc.

Groundwater Elevation Hydrographs
MCAS El Toro Upgradient Monitoring Wells

Figure 3-3







1992 - 1994 data from Jacobs (1994)

CDM FEDERAL PROGRAMS CORPORATION
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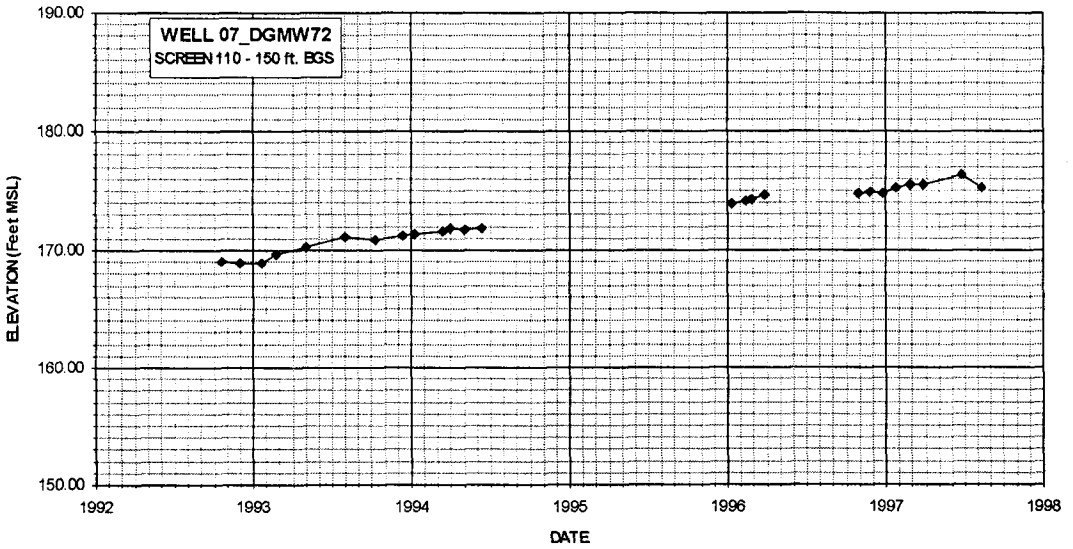
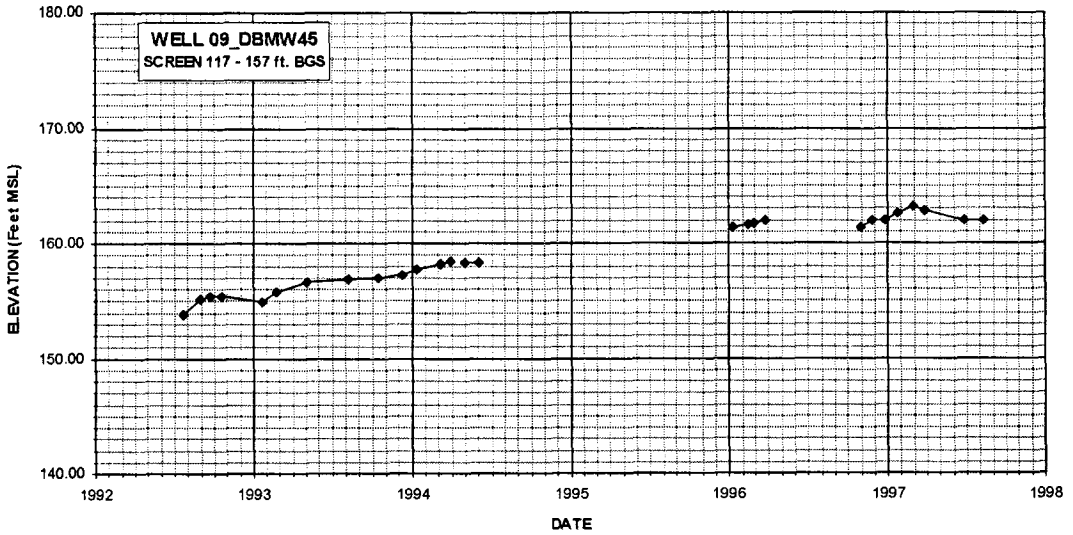
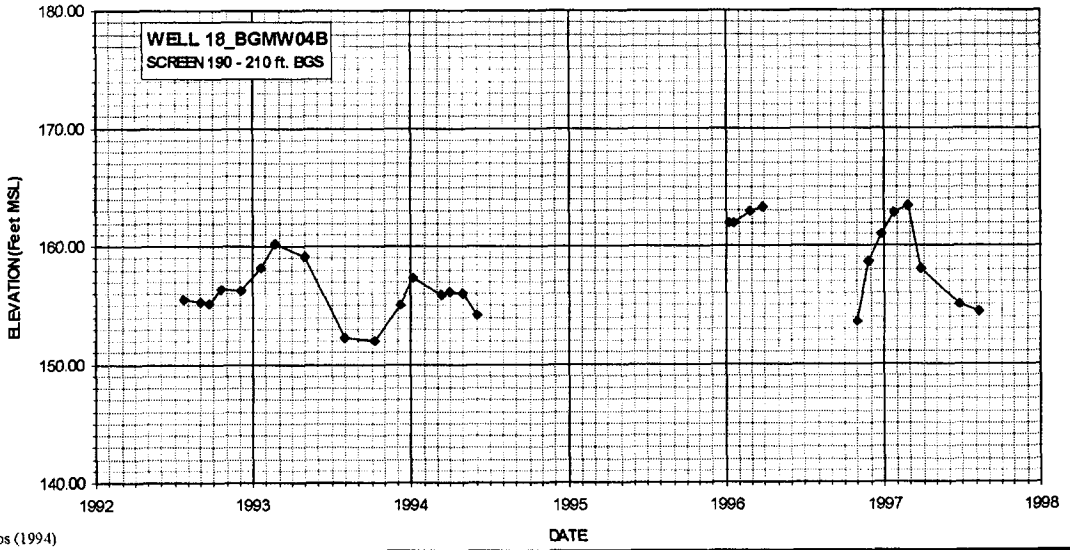
Groundwater Elevation Hydrographs
MCAS El Toro Monitoring Well Cluster 18_BGMW02

Figure 3-4







1992 - 1994 data from Jacobs (1994)

CDM FEDERAL PROGRAMS CORPORATION
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Groundwater Elevation Hydrographs
MCAS El Toro Monitoring Wells, VOC Source Area

Figure 3-5

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4.0 VOLATILE ORGANIC COMPOUND ANALYSES

During the July 1997 sampling round, groundwater samples were collected from 77 monitoring wells/monitoring ports in the MCAS El Toro GWMP 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 July 1997 sampling round. Separate drawings have been prepared which present selected VOC groundwater results for monitoring wells/ports completed in the shallow groundwater unit (Figures 4-1, pocket plate) and the principal aquifer (Figures 4-2, pocket plate). Also presented on Figures 4-1 and 4-2 are summary tables listing the current sampling results for TCE, PCE, and CCl_4 and the maximum detected concentrations for these VOCs from prior sampling rounds.

4.2 TRICHLOROETHENE (TCE)

4.2.1 Shallow Groundwater Unit

The concentration and distribution of TCE concentrations detected in the shallow groundwater unit during the current sampling round are presented in Figure 4-1. TCE was detected above the contract-required detection limit (CRDL) of 1.0 μg/L in groundwater samples collected from 27 of the 65 shallow groundwater wells/ports selected for sampling during Round 6. 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 (1,500 μg/L), Well 22 DBMW47 (760 μg/L), Well 24 NEW4 (650 μg/L), Well 09 DBMW75 (450 μg/L), and Well 24 NEW1 (290

μg/L). In off-Station monitoring ports/wells, the maximum TCE concentration was detected in the shallow groundwater unit at 18 MCAS03-2 (88 μg/L) (Figure 4-1).

TCE in the shallow groundwater unit was detected above the CRDL of 1.0 μg/L in one area outside of the regional VOC plume. At Site 2 (Magazine Road landfill), TCE was found in samples collected from three wells at concentrations ranging from 2 μg/L to a maximum of 160 μg/L at Well 02 DGMW60.

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. Twelve of the principal aquifer/deep zone monitoring wells/ports in the MCAS El Toro GWMP were sampled for VOCs during Round 6. TCE was detected above the CRDL of 1.0 μg/L in groundwater samples collected from 10 wells and ports sampled during Round 6. Figure 4-2 also indicates the inferred is concentration 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 (36 and 35μg/L, 2 ports), 18 MCAS01 (19 μg/L), and 18 MCAS02 (16 and 10 μg/L). TCE was also detected in downgradient monitoring wells 18 MCAS06 (2 μg/L), 18 MCAS04 (1 μg/L). In many cases, the current sampling results for the principal aquifer monitoring wells/ports are measurably lower than results obtained in March 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). As shown in Figure 4-3,

the highest concentrations of TCE are found in the shallow zone monitoring wells underlying MCAS El Toro. Downgradient of the Station, TCE is detected in monitoring ports completed in the principal aquifer up to a maximum concentration of 36 μg/L (MP sampling port 18 MCAS07-3).

4.3 TETRACHLOROETHENE (PCE)

PCE was detected at low concentrations in groundwater samples collected at 17 of the 65 shallow groundwater wells during the current sampling round (see table in Figure 4-1). The highest PCE concentrations were found in samples collected from Site 2 monitoring wells 02 DGMW61 (10 μg/L) and 02 NEW8A (12 μg/L). The highest detected PCE concentrations in the VOC source area include Well 24 NEW6 (18 μg/L), Well 18 BGMW05D (12 μg/L), and Well 21 UGMW 37 (11 μg/L).

During the current round, PCE was not detected in any of the 12 principal aquifer wells sampled during Round 6.

4.4 CARBON TETRACHLORIDE

Carbon tetrachloride was detected above the CRDL of 1.0 μg/L in samples collected from 10 monitoring wells completed in the shallow groundwater unit (Figure 4-1). The highest concentrations of $CC1_4$ were found at Well 18 DW135 (15 μg/L) and Well 14 DBMW50 (9 μg/L). During the current sampling round, carbon tetrachloride was not detected in any groundwater samples collected from monitoring wells or ports completed in the principal aquifer (Figure 4-2).

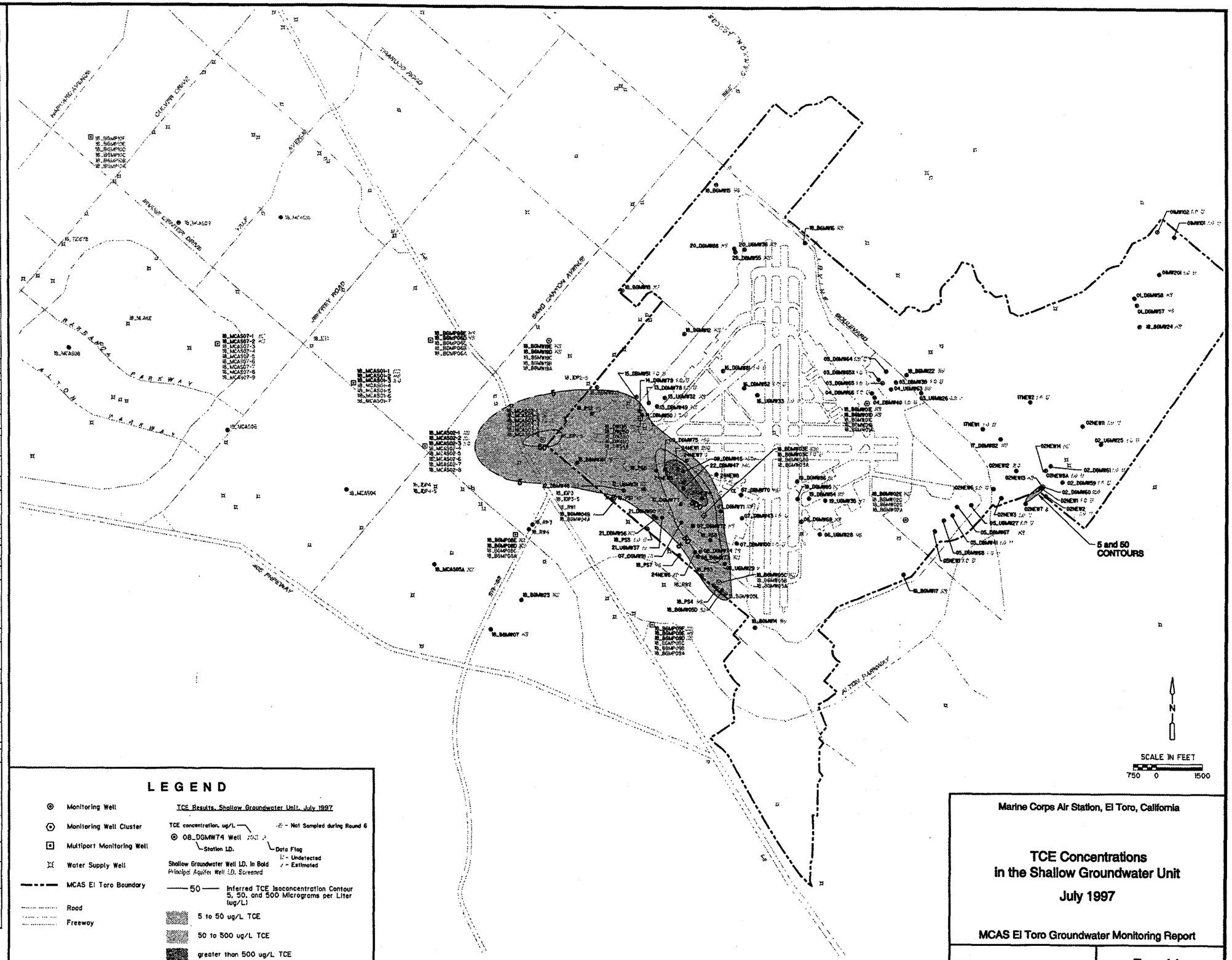
VOC RESULTS – SHALLOW GROUNDWATER UNIT
Current Sampling Results and Maximum Detected Concentrations
Concentrations in Micrograms per Liter (ug/L)

Station ID	Base Screen Depth (ft BGS)	Trichloroethene (TCE)			Tetrachloroethene (PCE)			Carbon Tetrachloride		
		July 1997	Prior Maximum	Date	July 1997	Prior Maximum	Date	July 1997	Prior Maximum	Date
01_DGMW57	83	ns	nd		ns	nd		ns	nd	
01_DGMW58	77	ns	1.0	Nov-96	ns	nd		ns	nd	
01MW101 *	148	1.0 u	18.0	Nov-96	0.5 J	nd		1.0 u	nd	
01MW102 *	135	1.0 u	8.0	Nov-96	1.0 u	nd		1.0 u	nd	
01MW201 *	87	1.0 u	nd		1.0 u	nd		1.0 u	nd	
02_DGMW59	80	1.0 u	0.7 J	Nov-96	1.0 u	nd		1.0 u	nd	
02_DGMW60	100	180.0	203.0	Nov-96	5.0	6.0	Nov-92	10.0 u	nd	
02_DGMW61	100	1.0 u	2.0	Jun-95	10.0	20.0	Nov-96	1.0 u	nd	
02_UGMW26	75	1.0 u	0.9 J	Sep-92	1.0 u	nd		1.0 u	nd	
02NEW1	135	1.0 u	nd		1.0 u	nd		1.0 u	nd	
02NEW2	95	1.0 u	1.0	Nov-96	1.0 u	nd		1.0 u	nd	
02NEW3	225	1.0 u	nd		1.0 u	0.4 J	Dec-96	1.0 u	nd	
02NEW6	225	1.0 u	nd		1.0 u	1.0	Dec-96	1.0 u	nd	
02NEW7	145	6.0	2.0	Jan-97	1.0 u	0.9 J	Dec-96	1.0 u	nd	
02NEW8A	104	1.0 u	nd		12.0	18.0	Nov-96	1.0 u	nd	
02NEW11	95	1.0 u	nd		1.0 u	2.0	Dec-96	1.0 u	nd	
02NEW12	240	2.0	4.0	Mar-97	2.0	3.0	Nov-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	0.5 J	1.0	Nov-96	1.0	2.0	Nov-96	1.0 u	nd	
04_DGMW40	280	1.0 u	nd		1.0 u	nd		1.0 u	nd	
04_DGMW66	280	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		1.0 u	0.8 J	Nov-96	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	0.8 J	Mar-93	1.0 u	0.9 J	Mar-93	1.0 u	nd	
05NEW1	203	1.0 u	nd		1.0 u	nd		1.0 u	nd	
06_DGMW69	190	ns	nd		ns	nd		ns	nd	
06_UGMW28	190	ns	19.0	Feb-96	ns	2.0	Dec-96	ns	nd	
07_DGMW43	190	1.0 u	4.0	Nov-96	1.0 u	nd		1.0 u	0.3 J	Jun-92
07_DGMW70	185	ns	2.0	Nov-96	ns	nd		ns	4.0	Nov-96
07_DGMW71	185	ns	23.0	Dec-92	ns	nd		ns	nd	
07_DGMW72	190	ns	130.0 E	Nov-92	ns	2.0	Oct-92	ns	4.0	Nov-92
07_DGMW91	190	75.0	104.0	Nov-96	6.0	6.0	Nov-96	2.0	2.0	Nov-96
07_DGMW100	171	1.0 u	nd		1.0 u	nd		1.0 u	0.8 J	Jun-93
08_DGMW73	130	ns	140.0 E	Feb-92	ns	10.0	Dec-96	ns	0.9 J	Jul-95
08_DGMW74	130	79.0	103.0	Nov-96	0.8 J	8.0	Nov-92	1.0	8.0	Nov-92
08_UGMW29	130	7.0	20.0	Aug-92	1.0 u	nd		1.0 u	nd	
09_DGMW45	157	1600.0	2006.0 E	Nov-92	6.0	9.0	Oct-92	4.0	7.0	Nov-92
09_DGMW75	154	400.0	489.0	Nov-96	8.0	9.0	Dec-96	2.0	3.0	Dec-96
10_DGMW77	170	100.0	107.0	Mar-97	1.0 u	8.0	Nov-96	1.0	3.0	Nov-96
12_DGMW48	135	ns	18.0	Feb-96	ns	16.0	Nov-92	ns	0.8 J	May-93
12_UGMW31	145	ns	19.0	Nov-96	ns	8.0	Nov-96	ns	nd	
13_DGMW49	182	ns	nd		ns	nd		ns	nd	
13_DGMW78	187	1.0 u	ns		1.0 u	nd		1.0 u	nd	
13_UGMW32	184	ns	ns		ns	nd		ns	nd	
14_DGMW50	190	1.0 u	2.0	Jun-93	1.0 u	nd		8.0	26.0	Nov-93
14_DGMW79	188	1.0 u	2.0	Nov-96	1.0 u	nd		9.0	9.0	Nov-96
15_DGMW51	195	1.0 u	30.0	Dec-96	1.0 u	6.0	Dec-96	1.0 u	nd	
16_DGMW52	222	1.0 U	1.0	Jul-93	1.0 U	nd		1.0 U	nd	
16_DGMW81	218	1.0 u	nd		1.0 u	nd		1.0 u	nd	
16_UGMW33	230	1.0 u	0.8 J	Jul-96	1.0 u	nd		1.0 u	nd	
17_DGMW82	200	ns	nd		ns	nd		ns	nd	
17NEW1	220	1.0 u	ns		1.0 u	nd		1.0 u	nd	
17NEW2	123	1.0 u	nd		1.0 u	nd		1.0 u	nd	
18_BGMP08D	170	ns	nd		ns	nd		ns	nd	
18_BGMP08E	116	ns	nd		ns	nd		ns	nd	
18_BGMP09D	186	ns	nd		ns	0.5 J	Oct-92	ns	nd	
18_BGMP09E	71	ns	nd		ns	nd		ns	nd	
18_BGMP09D	232	ns	nd		ns	nd		ns	nd	
18_BGMP09E	143	ns	nd		ns	nd		ns	nd	
18_BGMP09F	98	ns	nd		ns	nd		ns	nd	
19_BGMW01D	202	ns	nd		ns	nd		ns	nd	
19_BGMW01E	228	ns	nd		ns	nd		ns	nd	
19_BGMW03E	233	ns	3.0 J	Jun-93	ns	1.0	Nov-96	ns	nd	
19_BGMW03C	242	1.0 u	nd		1.0 u	nd		1.0 u	nd	
19_BGMW03E	164	330.0	370.0 E	Dec-92	10.0 u	1.0	Nov-96	10.0 u	1.0	Dec-92
19_BGMW04B	210	4.0	14.0	Sep-92	4.0	11.0	Sep-92	1.0 u	nd	
19_BGMW05C	248	nd	1.0	Feb-96	nd	nd		ns	nd	
19_BGMW05D	135	30.0	23.0	Dec-96	12.0	28.0	Mar-93	1.0 u	nd	
19_BGMW07	50	ns	3.0	Mar-97	ns	nd		ns	nd	
19_BGMW12	200	ns	nd		ns	nd		ns	nd	
19_BGMW14	115	ns	8.0	Feb-96	ns	nd		ns	nd	
19_BGMW16	215	ns	nd		ns	nd		ns	nd	
19_BGMW16	280	ns	nd		ns	nd		ns	nd	
19_BGMW17	200	ns	nd		ns	nd		ns	nd	
19_BGMW18	160	ns	nd		ns	nd		ns	nd	
19_BGMW19D	170	ns	8.0	Feb-96	ns	nd		ns	nd	
19_BGMW19E	138	ns	1.0	Dec-92	ns	nd		ns	nd	
19_BGMW23	257	ns	1.0	Nov-96	ns	nd		ns	nd	
19_BGMW25	194	ns	9.0	Feb-96	ns	0.9 J	Dec-96	ns	nd	
19_BGMW24	71	ns	nd		ns	nd		ns	nd	
19_BGMW101	130	16.0	29.0	Nov-92	1.0 u	nd		1.0 u	nd	
19_OW156	130	27.0	16.0	Nov-96	1.0 u	nd		16.0	41.0	Aug-96
19_OW360	200	ns	1.0	Jun-93	ns	nd		ns	16.0	Sep-96
19_MCAS01-1	70	ns	nd		ns	nd		ns	nd	
19_MCAS01-2	190	ns	nd		ns	nd		ns	nd	
19_MCAS01-3	230	2.0	3.4	May-92	1.0 u	nd		1.0 u	nd	
19_MCAS02-1	50	ns	nd		ns	nd		ns	nd	
19_MCAS02-2	140	ns	0.6 J	Sep-91	ns	nd		ns	nd	
19_MCAS02-3	210	2.0	4.0	Jun-96	1.0 u	nd		1.0 u	nd	
19_MCAS03-1	95	3.0	3.0	Nov-96	1.0 u	nd		1.0 u	nd	
19_MCAS03-2	170	34.0	110.0	Nov-96	1.0	2.0	Oct-91	1.0 u	nd	
19_MCAS03-3	290	1.0 u	nd		1.0 u	nd		1.0 u	nd	
19_MCAS03A	130	ns	4.0	Nov-96	ns	nd		ns	nd	
19_MCAS07-1	190	ns	nd		ns	nd		ns	nd	
19_MCAS07-2	200	ns	3.0	Jun-93	ns	nd		ns	nd	
19_P51	123	ns	19.0	Dec-92	ns	0.9 J	Feb-93	ns	1.0 J	Feb-93
19_P52	133	13.0	12.0	Nov-96	1.0 u	nd		1.0 u	nd	
19_P53	122	7.0	78.0	Jul-93	13.0	61.0	Jun-93	1.0 u	0.4	Dec-96
19_P54	110	ns	79.0	Jul-93	ns	46.0	Jun-93	ns	nd	
19_P55	120	1.0 u	nd		4.0	nd		1.0 u	nd	
19_P56	180	33.0	49.0	Mar-97	13.0	18.0	Mar-97	0.9 J	3.0	Mar-97
19_P57	130	ns	nd		ns	nd		ns	nd	
19_P58	140	ns	107.0	Nov-93	ns	1.0	Nov-96	ns	3.0	Dec-92
19_DGMW84	131	ns	4.0	Feb-93	ns	3.0	Dec-96	ns	nd	
19_DGMW85	183	ns	3.0	Dec-96	ns	4.0	Dec-96	ns	nd	
19_DGMW86	186	ns	11.0	Dec-96	ns	19.0	Dec-96	ns	nd	
19_UGMW35	186	ns	3.0	Nov-96	ns	2.0	Nov-96	ns	nd	
20_DGMW88	227	ns	0.8 J	Sep-92	ns	nd		ns	nd	
20_DGMW89	235	ns	nd		ns	nd		ns	nd	
20_UGMW36	223	ns	nd		ns	nd		ns	nd	
21_DGMW56	132	ns	47.0	Feb-96	ns	4.0	Dec-96	ns	nd	
21_DGMW90	136	ns	3.0	Nov-96	ns	3.0	Nov-96	ns	nd	
21_UGMW37	130	15.0	35.0	Nov-96	11.0	13.0	Nov-96	1.0 u	nd	
22_DGMW47	194	700.0	1200.0	Jul-93	10.0 u	7.0	Sep-93	10.0 u	0.8	Jul-93
24NEW1	246	200.0	160.0	Mar-97	1.0	2.0	Dec-96	1.0 u	nd	
24NEW4	148	600.0	1110.0	Dec-96	10.0 u	2.0	Dec-96	10.0 u	2.0	Dec-96
24NEW5	262	1.0 u	0.7 J	Dec-96	1.0 u	2.0	Dec-96	1.0 u	nd	
24NEW6	186	40.0	30.0	Oct-93	10.0	10.0	Dec-96	1.0 u	nd	
24NEW7	186	0.3	33.0	Dec-96	1.0 u	1.0	Dec-96	0.3 J	0.9 J	Dec-96
24NEW8	182	1.0 u	4.0	Dec-96	1.0 u	1.0	Dec-96	1.0	2.0	Dec-96

EXPLANATION

For July 1997 (Round 6) sampling, holes have 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
ND = not sampled during Round 6
* = VOC results for wells 01MW101, 01MW102, and 01MW201 are from sampling conducted September 15, 1997

"Prior Maximum" results are from sampling rounds conducted prior to July 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 Shallow Groundwater Unit

July 1997

MCAS El Toro Groundwater Monitoring Report

CDM Federal Programs Corporation

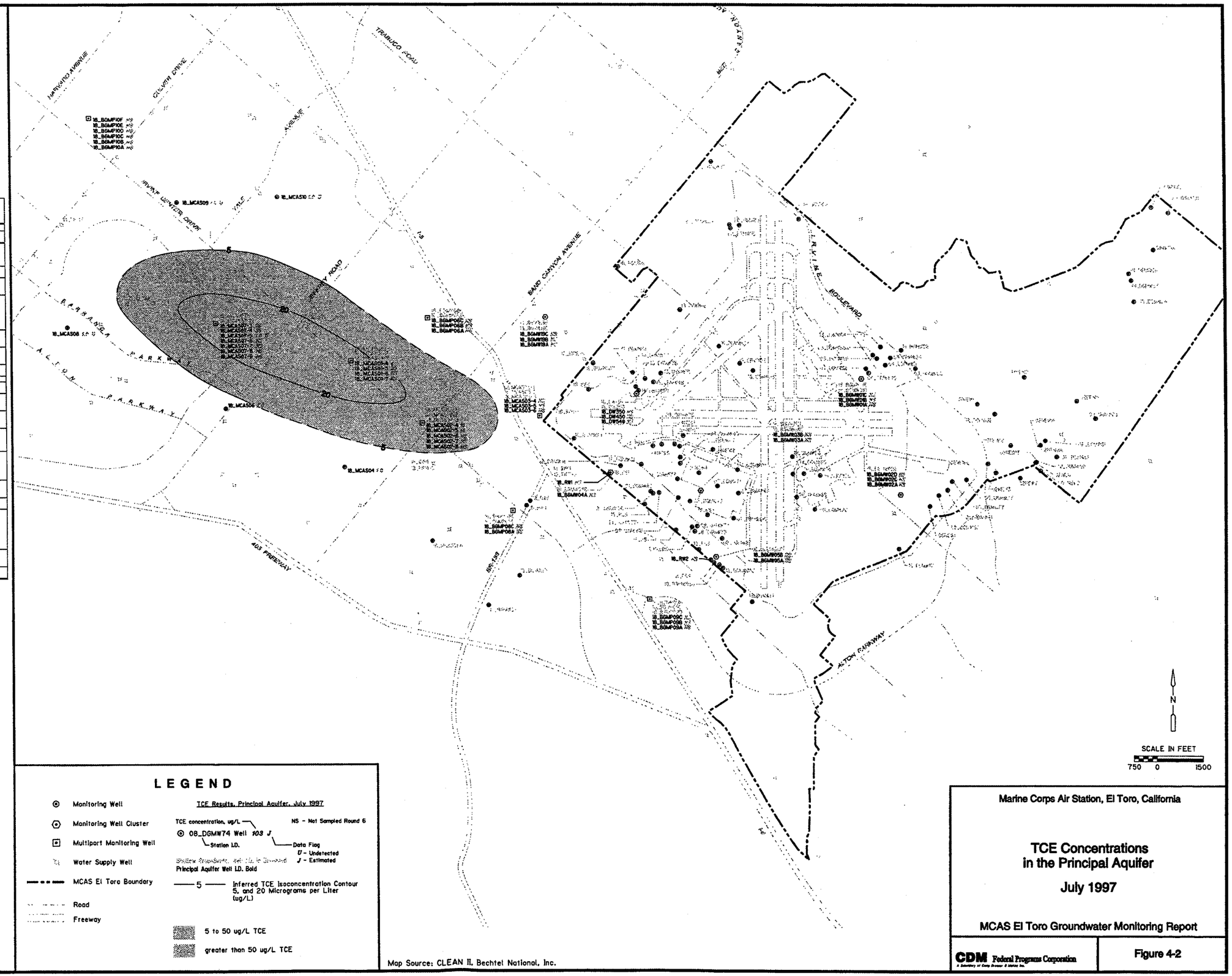
Figure 4-1

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) July 1997	Trichloroethene (TCE) Prior Maximum	Trichloroethene (TCE) Prior Date	Tetrachloroethene (PCE) July 1997	Tetrachloroethene (PCE) Prior Maximum	Tetrachloroethene (PCE) Prior Date	Carbon Tetrachloride July 1997	Carbon Tetrachloride Prior Maximum	Carbon Tetrachloride Prior Date
18_BGMP08A	485	NS	ND		NS	ND		NS	ND	
18_BGMP08B	390	NS	ND		NS	ND		NS	ND	
18_BGMP08C	305	NS	ND		NS	ND		NS	ND	
18_BGMP09A	440	NS	ND		NS	ND		NS	ND	
18_BGMP09B	307	NS	1.0	Jan-96	NS	ND		NS	ND	
18_BGMP09A	483	NS	ND		NS	ND		NS	ND	
18_BGMP09B	384	NS	ND		NS	ND		NS	ND	
18_BGMP09C	276	NS	ND		NS	ND		NS	ND	
18_BGMP10A	1011	NS	ND		NS	ND		NS	ND	
18_BGMP10B	897	NS	ND		NS	ND		NS	ND	
18_BGMP10C	762	NS	ND		NS	ND		NS	ND	
18_BGMP10D	873	NS	ND		NS	ND		NS	ND	
18_BGMP10E	439	NS	ND		NS	ND		NS	ND	
18_BGMP10F	298	NS	ND		NS	ND		NS	ND	
18_BGMW01A	488	NS	1.0	Nov-92	NS	ND		NS	ND	
18_BGMW01B	418	NS	ND		NS	ND		NS	ND	
18_BGMW01C	360	NS	ND		NS	ND		NS	ND	
18_BGMW02A	482	NS	1.0	Jan-96	NS	0.5 J	Dec-92	NS	ND	
18_BGMW02C	378	NS	ND		NS	ND		NS	ND	
18_BGMW02D	314	NS	ND		NS	ND		NS	ND	
18_BGMW03A	380	NS	1.0	Jan-96	NS	ND		NS	ND	
18_BGMW03B	300	NS	0.8 J	Jul-93	NS	ND		NS	ND	
18_BGMW04A	308	NS	1.0	Jan-96	NS	ND		NS	ND	
18_BGMW06A	482	NS	ND		NS	ND		NS	ND	
18_BGMW06B	341	NS	2.0	Feb-96	NS	ND		NS	ND	
18_BGMW18A	488	NS	ND		NS	ND		NS	ND	
18_BGMW18B	420	NS	0.7 J	Dec-92	NS	ND		NS	ND	
18_BGMW19C	277	NS	ND		NS	ND		NS	ND	
18_DW360	360	NS	ND		NS	ND		NS	ND	
18_DW450	450	NS	4.0	Jan-96	NS	1.0	Jan-96	NS	ND	
18_DW540	540	NS	4.0	Jan-96	NS	1.0	Jan-96	NS	ND	
18_MCAS01-4	280	4.0	8.1	May-89	1.0 U	ND		1.0 U	ND	
18_MCAS01-5	340	20.0	48.2	Nov-91	1.0 U	ND		1.0 U	ND	
18_MCAS01-6	480	NS	46.1	May-89	NS	ND		NS	ND	
18_MCAS01-7	550	NS	0.5 J	Apr-89	NS	ND		NS	ND	
18_MCAS02-4	380	16.0	37.2	Oct-89	1.0 U	0.5	Jun-93	1.0 U	ND	
18_MCAS02-5	430	16.0	36.9	Dec-88	1.0 U	ND		1.0 U	ND	
18_MCAS02-6	500	NS	ND		NS	ND		NS	ND	
18_MCAS02-7	580	NS	ND		NS	ND		NS	ND	
18_MCAS02-8	630	NS	0.5 J	Sep-91	NS	ND		NS	ND	
18_MCAS03-4	380	NS	ND		NS	ND		NS	ND	
18_MCAS03-5	430	NS	0.8 J	Jul-91	NS	ND		NS	ND	
18_MCAS03-6	500	NS	0.8 J	Jul-91	NS	ND		NS	ND	
18_MCAS04	238	1.0	11.0	Mar-97	1.0 U	0.8 J	Nov-90	1.0 U	ND	
18_MCAS06	222	2.0	6.0	Mar-97	1.0 U	ND		1.0 U	ND	
18_MCAS07-3	380	38.0	83.4	Oct-91	1.0 U	0.5 J	Nov-90	1.0 U	ND	
18_MCAS07-4	460	38.0	46.1	Dec-92	1.0 U	ND		1.0 U	ND	
18_MCAS07-5	510	NS	ND		NS	0.7	Nov-92	NS	ND	
18_MCAS07-7	820	NS	0.8 J	Jul-91	NS	0.8	Nov-92	NS	ND	
18_MCAS07-8	880	NS	0.8 J	Jul-91	NS	0.7	Oct-92	NS	ND	
18_MCAS07-9	1110	NS	ND		NS	0.7	Oct-92	NS	ND	
18_MCAS08	410	1.0 U	1.0	Mar-97	1.0 U	ND		1.0 U	ND	
18_MCAS09	445	1.0 U	2.0	Mar-97	1.0 U	ND		1.0 U	ND	
18_MCAS10	375	1.0 U	2.0	Mar-97	1.0 U	ND		1.0 U	ND	
18_RW1	470	NS	ND		NS	ND		NS	ND	
18_RW2	310	NS	ND		NS	ND		NS	ND	

EXPLANATION

For July 1997 (Round 6) 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 6.
"Prior Maximum" results are from sampling rounds conducted prior to July 1997, as listed in Table 4-1 of the Monitoring Report
ND = not detected; J = estimated value



LEGEND

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

TCE Results, Principal Aquifer, July 1997

TCE concentration, ug/L — NS - Not Sampled Round 6

08_DGMW74 Well 103 J

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

Shallow Groundwater Well I.D. in Bracket

Principal Aquifer Well I.D. Bold

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

5 to 50 ug/L TCE

greater than 50 ug/L TCE

Map Source: CLEAN II, Bechtel National, Inc.

Marine Corps Air Station, El Toro, California

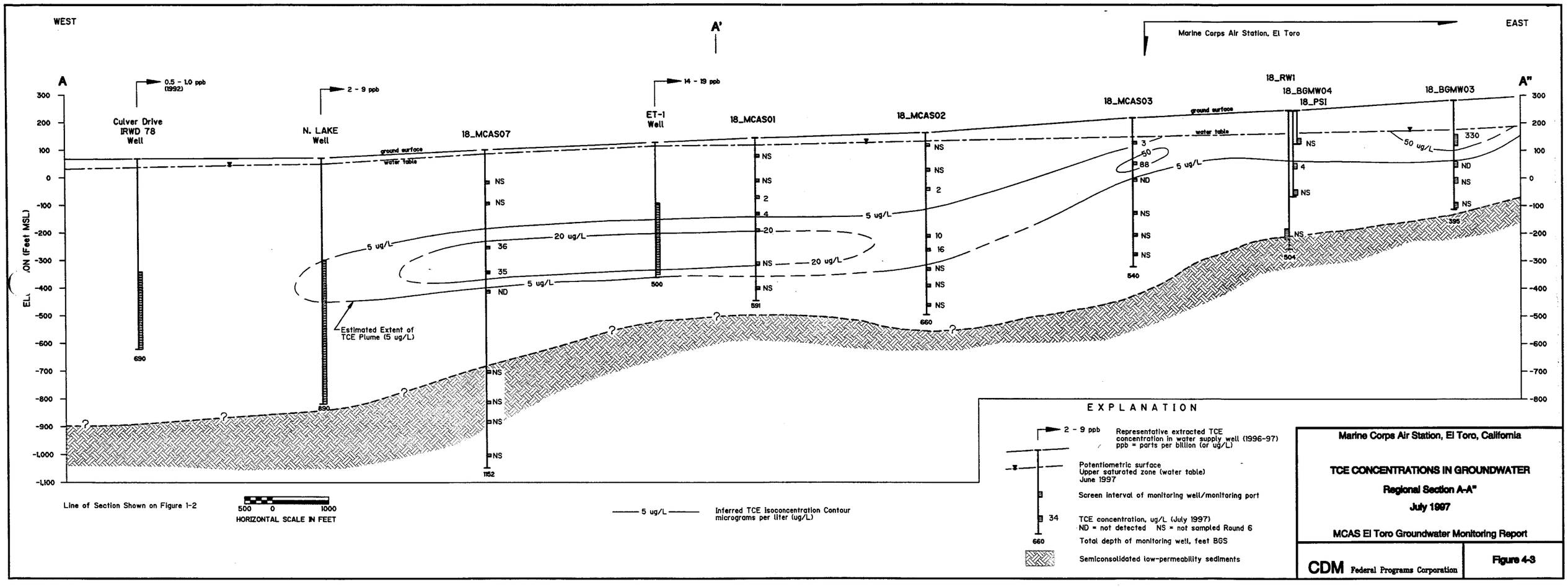
TCE Concentrations in the Principal Aquifer

July 1997

MCAS El Toro Groundwater Monitoring Report

CDM Federal Programs Corporation

Figure 4-2



Marine Corps Air Station, El Toro, California

TCE CONCENTRATIONS IN GROUNDWATER

Regional Section A-A"

July 1997

MCAS El Toro Groundwater Monitoring Report

CDM Federal Programs Corporation

Figure 4-3

4.5 BENZENE AND FUEL HYDROCARBONS

Benzene was detected above the CRDL of 1.0 μg/L in groundwater samples collected at 2 of the 77 wells sampled for VOCs during Round 6: Well 04 DBMW40 (14 μg/L) and Well 15 DBMW51 (2 μg/L). Associated aromatic hydrocarbons toluene, ethylbenzene, and xylenes were not detected in any of the wells sampled.

In accordance with Navy's SOW, no samples for total petroleum hydrocarbons (TPH) were collected during Round 6. 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 July 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 detected in groundwater samples collected at two monitoring wells (Table 4-1): Well 09 DBMW45 (7 μg/L), and Well 09 DGMW75 (6 Jμg/L).

1,2-DCE (total) was detected at or above the CRDL of 1.0 μg/L in groundwater samples collected at five of the monitoring wells/ports sampled during Round 6. The highest concentrations of 1,2-DCE (total) were found at wells 02 DGMW60 (18 μg/L) and 18 MCAS07-4 (7 μg/L).

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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

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		
01_MW101	148	2-Apr-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	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	10.0 U	1.0 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	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
01_MW102	135	2-Apr-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	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	10.0 U	1.0 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	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		
01_MW201	57	8-Apr-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	0.5 UJ	1.0 U	1.0 U	10.0 U		
		18-Nov-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		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	10.0 U	1.0 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	10.0 U	1.0 U	0.4 J	1.0 U	1.0 U	1.0 U	1.0 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			
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		
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		88.0	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
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		
02_NEW1	135	26-Dec-95		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0	1.0 U	1.0 U	10.0 U		
		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		
02_NEW2	95	21-Dec-95		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		26-Nov-96	*	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		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		

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			
02_NEW3	225	28-Dec-95		1.0 U	0.4	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	TRICHLOROFLUOROMETHANE	2.0
		7-Nov-96	*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		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		
02_NEW6	225	27-Dec-95		1.0 U	1.0	1.0 U	0.9	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1,3 DICHLOROBENZENE	0.7
		7-Nov-96	*	1.0 U	0.9 J	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		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		
02_NEW7	143	27-Dec-95		1.0 U	0.3 J	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		8-Jan-97	*	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	1.0
		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
02_NEW8A	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		
02_NEW11	65	21-Dec-95		1.0 U	2.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		12-Nov-96	*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		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		
02_NEW12	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		
02_NEW13	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
02_NEW14	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		

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			
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		
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		
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		
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		
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		

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			
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
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		
04_UGMW63	275	24-Nov-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	3.0	1.0 U	1.0 U	1.0 U		METHYLENE CHLORIDE	2.0
		25-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	4.0	1.0 U	1.0 U	1.0 U		METHYLENE CHLORIDE	0.6 J
		30-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	3.0	1.0 U	1.0 U	1.0 U	10.0 U		
		14-Nov-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	7.0	1.0 U	1.0 U	1.0 U	10.0 U		
		14-Nov-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	7.0	1.0 U	1.0 U	1.0 U	10.0 U		
05_DBMW41	222	16-Nov-92	1.0 U	0.8 J	1.0 U	1.0 U	1.0 U	1.0 U	2.0 J	1.0 U	1.0 U	1.0 U	1.0 U			
		20-Oct-93	1.0 U	0.7 J	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		5-Dec-95	1.0 U	0.8 J	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		5-Dec-95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		7-Feb-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		13-Nov-96 *	1.0 U	0.8 J	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	2.0
		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		
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		

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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			
05_NEW1	190	28-Dec-95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		13-Nov-96 *	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	METHYLENE CHLORIDE	1.0
		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		
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		
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		
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		

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_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		
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		
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		
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		

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			
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		
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	8.0	4.0	4.0	0.9 J	2.0	10.0 U	1.0 U	1.0 J	1.0 U	1.0 U	20.0	1,1,2,2-TETRACHLOROETHANE	0.8 J
															1,2-DICHLOROETHANE	1.0
															BROMODICHLOROMETHANE	0.9 J
															CHLOROBENZENE	2.0 J
															CHLORODIBROMOMETHANE	0.9 J
															METHYLENE CHLORIDE	2.0
		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		
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		
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		
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
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		
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		

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			
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
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		
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
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		
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		

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			
17_NEW1	226	12-Jan-96		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		20-Nov-96	*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		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
17_NEW2	123	3-Jan-96		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		20-Nov-96	*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		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		
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		
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		

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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_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		
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

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_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		
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

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_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		
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

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_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		
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		

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_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		
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		

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_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-TETRACHLOROETHANE	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		
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
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		

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_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	13.0	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		
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		
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		

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_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		
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		

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_BGMW22	287	14-Aug-92	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U	0.5 J	1.0 U	1.0 U			
		12-Sep-92	0.7 J	1.0 U	1.0 U	1.0 U	1.0 U	2.0			1.0 U					
		28-Jun-93	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
		22-Jan-96	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		14-Nov-96	1.0	1.0 U	1.0 U	1.0 U	1.0 U	2.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1,1,2,2-TETRACHLOROETHANE	1.7 J
															1,2-DICHLOROETHANE	0.8 J
															BROMODICHLOROMETHANE	1.0
															BROMOFORM	1.0
															CHLOROBENZENE	1.0 J
															CHLORODIBROMOMETHANE	1.0
		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		
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		
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		

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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_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		
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		

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_MCAS01-1	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 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_MCAS01-2	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 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_MCAS01-3	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		

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 J	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		

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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 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_MCAS01-5	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		

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_MCAS01-6	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		

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	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_MCAS02-2	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		

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_MCAS02-4	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		

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_MCAS02-5	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

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_MCAS02-6	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		

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 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_MCAS03-1	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		

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

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		

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		

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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 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_MCAS03-5	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	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_MCAS03-6	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 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_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		
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	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_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		
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		

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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_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

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_MCAS07-3	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		

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_MCAS07-4	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		

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_MCAS07-5	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		

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

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_MCAS07-7	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	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_MCAS07-8	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

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_MCAS07-9	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	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_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		

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_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		

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		
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		

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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_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		
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		
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		
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		

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.
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		
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

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_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		
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		
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		
24_NEW1	245	30-Oct-95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0	10.0 U	0.4 J	0.8 J	1.0 U	0.3 J	10.0 U	ACETONE	5.0
															BROMODICHLOROMETHANE	2.0
															BROMOFORM	0.5 J
															DIBROMOCHLOROMETHANE	2.0
		2-Nov-95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.4 J	10.0 U	1.0 U	2.0	0.6 J	3.0	10.0 U	DIBROMOCHLOROMETHANE	0.4 J
		2-Dec-96	102.0	2.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		24-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		

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			
24_NEW4	148	26-Oct-95	1000.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		2-Nov-95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		3-Dec-96	1110.0	2.0	2.0	1.0	1.0 U	1.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.3 J		
		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		
24_NEW5	250	21-Nov-95	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	ACETONE	4.0 J
															BROMODICHLOROMETHANE	2.0
															BROMOFORM	3.0
															DIBROMOCHLOROMETHANE	2.0
		2-Dec-96	0.7 J	2.0	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		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		
24_NEW6	185	25-Oct-95	30.0 J	11.0 J	1.0 U	1.0 U	3.0	1.0 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	ACETONE	9.0 J
		2-Dec-96	29.0	13.0	1.0 U	1.0 U	3.0	1.0	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		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		
24_NEW7	158	31-Oct-95	27.0	1.0 U	0.6 J	1.0	1.0 U	0.7 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U	ACETONE	7.0 J
															1,1,1-TRICHLOROETHENE	1.0
															1,1,2,2-TETRACHLOROETHANE	1.0
															1,1,2-DICHLOROETHANE	1.0
		3-Dec-96	33.0	1.0	0.9 J	4.0	1.0 U	0.9 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		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		

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			
24_NEW8	162	1-Nov-95	1.0 U	1.0 U	0.5 J	1.0 U	1.0 U	1.0 U	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		3-Dec-96	4.0	1.0	2.0	1.0 U	1.0 U	0.7 J	10.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10.0 U		
		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		

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

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5.0 SEMIVOLATILE ORGANIC COMPOUND ANALYSES

In accordance with Navy's SOW, Round 6 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.

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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
01_MW101	148	2-Apr-96	64	0					
		20-Nov-96	64	0					
01_MW102	135	2-Apr-96	64	0					
		20-Nov-96	64	0					
01_MW201	57	8-Apr-96	64	1	FLUORENE	0.14			NA
		18-Nov-96	64	3	BUTYL BENZYL PHTHALATE	3.0	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
02_NEW1	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
02_NEW2	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
02_NEW3	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					
02_NEW6	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					
02_NEW7	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					
02_NEW8A	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
02_NEW11	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
02_NEW12	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
05_NEW1	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					
17_NEW1	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
17_NEW2	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						
24_NEW1	245	30-Oct-95	64	0					
24_NEW4	148	2-Nov-95	64	0					
24_NEW5	250	26-Oct-95	64	0					
24_NEW6	185	26-Oct-95	64	0					
24_NEW7	158	31-Oct-95	64	0					
24_NEW8	162	1-Nov-95	64	0					

EXPLANATION:

1) The 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 6 sampling did not include sampling and analysis for pesticides and 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.

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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					
02_NEW1	135	26-Dec-95	28	0					
		4-Nov-96	28	0					
		26-Mar-97	28	0					
02_NEW2	95	21-Dec-95	28	0					
		26-Nov-96	28	0					
		26-Mar-97	28	0					
02_NEW3	225	28-Dec-95	28	0					
		7-Nov-96	28	0					
		24-Mar-97	28	0					
02_NEW6	225	27-Dec-95	28	0					
		7-Nov-96	28	0					
		24-Mar-97	28	0					
02_NEW7	143	27-Dec-95	28	0					
		8-Jan-97	28	0					
		20-Mar-97	28	0					
02_NEW8A	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
02_NEW11	65	21-Dec-95	28	0					
		12-Nov-9[illegible]	28	0					
		25-Mar-97	28	0					
02_NEW12	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					
05_NEW1		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					
17_NEW1	226	12-Jan-96	28	0					
		20-Nov-96	28	0					
		24-Mar-97	28	0					
17_NEW2	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					
02_NEW1	135	26-Dec-95	10	0					
		4-Nov-96	8	0					
		26-Mar-97	8	0					
02_NEW2	95	21-Dec-95	10	0					
		26-Nov-96	8	0					
		26-Mar-97	8	0					
02_NEW3	225	28-Dec-95	10	0					
		7-Nov-96	8	0					
		24-Mar-97	8	0					
02_NEW6	225	27-Dec-95	10	0					
		7-Nov-96	8	0					
		24-Mar-97	8	0					
02_NEW7	143	27-Dec-95	10	0					
		8-Jan-97	8	0					
		20-Mar-97	8	0					
02_NEW8A	104	27-Dec-95	10	0					
		7-Nov-96	8	0					
		25-Mar-97	8	0					
02_NEW11	65	21-Dec-95	10	0					
		12-Nov-96	8	0					
		25-Mar-97	8	0					
02_NEW12	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					
05_NEW1	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					