Site	Address	Map ID
TRANSIT MIX CONCRETE -EL TORO	***9961 VALENCIA AVE***	***222-20***
LEW WEBBS IRVINE TOYOTA	***30 AUTO CENTER DRIVE***	***223-20***
JOE MAC PHERSON CHEVROLET	***21 AUTO CENTER DR***	***228-20***
RAY FLADEBOE LINCOLN MERCURY	***16 AUTO CENTER DR***	***232-20***
SHELL OIL CO	***23038 LAKE FOREST DR***	***237-19,20***

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 49 HIST UST sites within the searched area.

Site	Address	Map ID
IRVINE UNIFIED SCHOOL DIST, TR	14600 SAND CANYON AVE	2-1,5
DIVISION 07 IRVINE	14736 SAND CANYON AVE	4-5
EXXON SERVICE STATION	14781 SAND CANYON AVE	5-5
RESEARCH NURSERY	6757 IRVINE BOULEVARD	6-6
JACKSON & PERKINS COMPANY	6757 IRVINE BOULEVARD	6-6
UNION OIL SERVICE STATION #477	14886 SAND CANYON AVE	7-5
STATION #4773	14886 SAND CANYON AVE	7-5
IRVINE GRAINARY	14972 SAND CANYON AVE	8-5
OPERATIONAL SUPPORT FACILITY	15029 SAND CANYON AVE	11-5
SOUTH COAST FIELD STATION	7601 IRVINE BLVD	14-6
COAST BRANCH (#23)	7982 IRVINE BLVD	19-6
COAST OIL AMENDMENTS	7982 IRVINE BLVD	19-6
ENERGY & ENVIRONMENTAL RESEARC	***8001 IRVINE BLVD***	***24-6,11***
KEELINE-WILCOX NURSERIES, INC.	6600 MARINE WAY	26-5,10
NURSERY	6600 MARINE WAY	26-5,10
EL TORO RADAR	OPERATIONS BUILDING 372	30-11
AUTOMOTIVE SERVICE CENTER #1	BUILDING, #651 M.C.A.S.	39-11
USMCAS EL TORO	TRABUCO	39-11
SANTIAGO SUBSTATION	15882 SAND CANYON AVE	42-9
V.P. BAKER FILTRATION PLANT	PALMWOOD NORTH OF PEACH	83-13
IRVINE	9300 TOLEDO WAY	122-16
ASCENSION CEMETERY	24754 TRABUCO RD	150-17
JOHNSON LIFT	***6 BENDIX***	***155-16***
AMERICAN MEDICAL OPTICS	9701 JERONIMO RD	166-16
CONSOLIDATED FREIGHTWAYS	5 HOLLAND	168-16
SPARKLETTS DRINKING WATER	***2 STERLING***	***168-16***
MAECON, INC.	20 MASON	170-16
KAWASAKI MOTOR CORP., U.S.A.	9950 JERONIMO RD	174-16
HEWLET PACKARD IRVINE	9800 MUIRLANDS BLVD	181-16
COMMERCIAL OFFICE AND WAREHOUS	#3 FARADAY	183-16
COMMERCIAL OFFICE AND WAREHOUS	#3 FARADAY	183-16
SAN BAR CORP	***9999 MUIRLANDS PARKWAY***	***188-16***
RECLAMATION PLANT	22312 MUIRLANDS BLVD	189-16
LION COUNTRY SAFARI, INC.-CALI	8800 IRVINE CENTER DRIV	194-15
LION COUNTRY SAFARI, INC.	8800 IRVINE CENTER DRIV	194-15
K & W FARMS	9001 IRVINE CENTER DR	202-15,19
WESTERN MARKETING COMPANY OF C	9000 IRVINE CENTER DR	202-19
JIM CLICK FORD	43 AUTO CENTER DR	208-20
IRVINE DATSUN	44 AUTO CENTER DR	209-20
ROADWAY EXPRESS, INC. TERMINAL	12 MCLAREN	218-20
TRANSIT MIXED CONCRETE CO. -EL	9961 VALENCIA AVE.	222-20

Site	Address	Map ID
IRVINE TOYOTA	30 AUTO CENTER DR	223-20
MAC HOWARD LEASING	21 AUTO CENTER DR	228-20
MIDAS MUFFLER SHOP	***22752 CENTRE ST***	***231-20***
TEXACO	23652 ROCKFIELD / LAK	234-20
LAKE FOREST AUTO WASH	23581 ROCKFIELD BLVD	236-20
SADDLE BACK SELF SERV & CAR WA	23038 LAKE FOREST DR	237-19,20
SADDLE BACK SELF SER & CAR WAS	23038 LAKE FOREST DR	237-19,20
90937	23631 ROCKFIELD BLVD	240-20

FEDERAL ASTM SUPPLEMENTAL

RODS: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, has revealed that there is 1 ROD site within the searched area.

Site	Address	Map ID
USMC AIR STATION EL TORO	***LAT 33 40 19 LONG 117***	***0-2,5,6,7,8,10,11,12,13,15,16***

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 10/29/2001 has revealed that there are 153 FINDS sites within the searched area.

Site	Address	Map ID
USMC AIR STATION EL TORO	***LAT 33 40 19 LONG 117***	***0-2,5,6,7,8,10,11,12,13,15,16***
SO COAST FIELD STATION	***IRVINE BLVD***	***14-6***
WILBUR ELLIS CO	***7982 IRVINE BLVD***	***19-6***
BROWNING FERRIS INDUSTRIES	***7982 IRVINE BLVD***	***19-6***
ORANGE COUNTY TRANSIT DISTRICT	***14736 SANO CANYON AVE***	***23-4,5,9,10***
ENERGY & ENVIRONMENTAL RESEARC	***8001 IRVINE BLVD***	***24-6,11***
IRVINE O S F CORP YARD CITY OF	***OAK CANYON***	***28-9***
SHUBIN SERVICES INC	***MARINE CORPS AIR STA 82***	***30-11***
SHEPERD MACHINERY CORP	***6565 BURT RD***	***35-10***
USNAVY GOLDEN BEAR ARBORISTS I	***USMCAS TORO BLDG 820***	***39-11***
WESTERN DIGITAL	***15345 BARRANCE***	***40-10***
IRVINE ANALYTICAL LAB	***15375 BARRANCA PKWY STE***	***40-10***
SANTIAGO SUBSTATION	***15882 SAND CANYON AVE.***	***42-9***
COMPRESSION	***ARCTIC OCEAN DR***	***47-12***
ANSYS DIAGNOSTICS INC	***COMMERCENTRE DR***	***48-12***

EXECUTIVE SUMMARY

Site	Address	Map ID
CERTIFIED JAPANESE AUTO	20771 BAKE PKWY UNIT F	59-12
CO CENSYS	213 TECHNOLOGY DR	60-10
THE YOUNG ENGINEERS INC	COMMERCENTRE DR	61-13
A R B INC	20602 INDIAN OCEAN	63-13
DYNACAST INC	COMMERCENTRE DR	64-13
SPECIALTY AUTOWERKES	10 HAMMOND STE 300 30	67-12
THERMAPRINT	13645 ALTON PKWY	70-12
BELSHIRE ENVIRONMENTAL SVCS IN	HAMMOND STE 506	73-12
HINES CONSTRUCTION	17 HAMMOND SUITE 402	73-12
AFAB	13805 ALTON PKWY STE A	74-12
MULTEK INC	16 HAMMOND	80-12
MULTILAYER TECHNOLOGY INC	HAMMOND	80-12
VAN DIJK AND ASSOCIATES INC	28 HAMMOND STE G	80-12
ABB COMPOSITES INC	72 FAIRBANKS	85-11
CALIFORNIA CORRIDOR CONSTRUCTO	2 VENTURE STE SECOND HU	88-10
WESTERN DIGITAL CORP	1 BANTING	94-9,10
MOTOROLA MOS 10	BANTING	94-9,10
ADVANCED INTERVENTIONAL SYSTEM	9 PARKER	96-12
HEALTHDYNE HOME INFUSION THERA	18 TECHNOLOGY DR STE 11	99-10
TOSHIBA AMER. INFORMATION SYST	34 PARKER	105-12,17
ALESSI INC	35 PARKER	105-12,17
CONTROL SYSTEMS DIVISION	14300 ALTON PKWY	114-16
ALTON GEOSCIENCE INC	25 TECHNOLOGY DR UNIT A	118-15
PFIZER LASER SYSTEMS	3 MORGAN	121-16
JOY PRODUCTS	6 MORGON 152	121-16
NORTH AMERICAN SCIENCE ASSCTS	9 MORGAN	121-16
MAZDA 2 CROMWELL	2 CROMWELL	123-17
EPOXYLITE CORPORATION	9400 TOLEDO WAY	125-16
GENSIA LABS LTD	HUGHES	127-16
RACAL-DANA INSTRUMENTS INC	4 GOODYEAR ST	129-17
RAYTHEON SERVICE COMPANY	GOODYEAR STREET	129-17
IOVISION INC	34 MAUCHLY STE B	132-16
ADVANCED COMPOSITE SYSTEMS	13825 ALTON PKWY B	135-16
ADVANCED COMPOSITE	13845 ALTON PKWY UNIT A	135-16
NEW AGE GRAPHICS	9600 TOLEDO	137-16,17
FABRICATORS THE DBA HA INTL	JERONIMO RD	140-16
EXHIBITREE, INC	9700 TOLEDAO WY	142-16,17
LIFE SUPPORT PRODUCTS, INC	1 VANDERBILT	144-16
ASEA COMPOSITES INC	6 VANDERBILT	144-16
CHARLTON ASSOC INC	7 VANDERBILT	144-16
INNOVATION SPORTS INC	7 CHRYSLER	149-16
PREECE INC	11 CHRYSLER	149-16
HOLT, INC	9351 JERONIMO RD	151-16
IPC COMMUNICATION SERVICES	9400 JERONIMO	153-16
FORD AEROSPACE & COMMUNICATION	10 GOODYEAR RD	157-16,17
DADE INTERNATIONAL INC	JERONIMO RD	159-16
HI TECH CLEANERS	16 TECHNOLOGY 172	161-15,16
ALLERGAN MEDICAL OPTICS	9701 JERONIMO RD.	166-16
TOXI LAB INC	GOODYEAR	167-16
WESTERN TELEMATIC INC	5 STERLING	168-16
OAKLEY	10 HOLLAND	168-16
TECTRON ENGINEERING INC	4 MASON ST	169-16
TECHNION INC	14 MASON	170-16
CHIRON OPHTHALMICS INC	15A MARCONI	172-16
ASSOCIATED ENGINEERING CO	10 THOMAS	173-16
KAWASAKI MOTOR CORP	9950 JERONIMO RD	174-16

EXECUTIVE SUMMARY

Site	Address	Map ID
TROPITONE FURNITURE	*5 MARCONI*	*177-16*
PIND TESTERS INC	*19-B THOMAS ST*	*179-16*
OAKLEY	*1 MARCONI ST UNITS A B*	*182-16*
MONARCH BUSINESS FORMS	*1 MARCONI ST*	*182-16*
S CA METALS JOINING INC	*9 WRIGLEY ST UNIT E*	*184-16*
PROMOTIONAL SIGNS UNLIMITED	*WRIGLEY*	*185-16*
J HEWITT INC	*6 FARADAY UNIT B*	*187-16*
SAN BAR CORP	*9999 MUIRLANDS PARKWAY*	*188-16*
LOS ALISOS WATER DISTRICT RECL	22312 MUIRLANDS BLVD.	189-16
SOUTHERN CALIFORNIA EDISON	14155 BAKE PARKWAY	190-16
PHOTO SCIENCES INC	*6 AUTRY*	*191-16*
JIFFY LUBE NO 1856	*IRVINE CENTER DR*	*194-15*
CLEANERS IN MOTION	*MUIRLANDS BLVD*	*195-16*
COAST COMPOSITES INC	*5 BURROUGHS*	*198-16,20*
SALEEN PERFORMANCE INC	*WHATNEY*	*199-16,20*
INTERNATIONAL SENSOR TECHNOLOG	*3 WHATNEY*	*199-16,20*
JIM CLICK AUDI JEEP	*AUTO CTR DR*	*200-16,20*
VALLEY AUTO CTR	*23902 REMME RIDGE*	*203-20*
AUTOBODY U S A	*23902 REMME RIDGE*	*203-20*
SADDLEBACK BMW	*45 OLDFIELD RD*	*205-20*
TKA INC	*8 MC LAREN STE N*	*206-20*
VETTE TECH	*8 MC LAREN SUITE H*	*206-20*
VOLVO IRVINE	*42 AUTO CENTER DR*	*208-20*
LEW WEBBS IRVINE NISSAN	*44 AUTO CENTER DR*	*209-20*
HI TECH COLLISION & PAINTING	*22582 SHANNON CIR*	*210-20*
FREEWAY AUTO BODY	*AUTO CENTER DR*	*212-20*
ENVIRO HOLDINGS, INC.	*22600-C LAMBERT ST., 9*	*213-20*
DEWEY PEST CONTROL	*22600-G LAMBERT ST 140*	*213-20*
GENERAL PRECISION INDUSTRIES	*15791 ROCKFIELD BLVD*	*215-20*
DRIVELINE UNLIMITED	*MC CLAREN ST STE M*	*218-20*
LEW WEBBS IRVINE TOYOTA	*30 AUTO CENTER DRIVE*	*223-20*
LAKE FOREST TRANSMISSION INC	*22741 ASPAN ST*	*225-20*
IRVINE MAZDA	*11 21 AUTO CTR DR*	*226-20*
MEISTER CHRYSLER PLYMOUTH	*14 AUTO CENTER DR*	*227-20*
JOE MAC PHERSON CHEVROLET	*21 AUTO CENTER DR*	*228-20*
ASPEN CLEANERS	*22851 LAKE FOREST*	*229-20*
SADDLEBACK URGENT CARE 2	*22855 LAKE FOREST DR*	*229-20*
ECONO LUBE N TUNE	*22861 LAKE FOREST DR*	*230-20*
MIDAS MUFFLER SHOP	*22752 CENTRE ST*	*231-20*
RAY FLADEBOE LINCOLN MERCURY	*16 THRU 20 AUTO CENTER*	*232-20*
BIX FINISHING AND STRIPPING	*MOULTON PKWYU SUITE B7*	*233-20*
CUSTOM FINISHING	*23011 MOULTON PARKWAY D*	*235-20*
EXECTUTIVE CLEANERS	*23600 ROCKFIELD*	*236-20*
Q&B PHOTO	*23028 LAKE FOREST DRIVE*	*238-19,20*
FRANKS MOTORCARS	*23663 ROCKFIELD BLVD*	*240-20*
MIKES TEXACO	*23652 ROCKFIELD*	*240-20*
SPOTLESS CLEANERS	*23016 LAKE FOREST*	*241-20*
GREAT AMERICAN PRINTING CO	*23015 DEL LAGO DR SUITE*	*246-20*
ALFA PERFORMANCE CONNECTION	*22692 GRANITE WY*	*248-20*
SACRAMENTO ETHANOL PARTNERS	23046 AVENIDA DE LA CAR	250-20
OMNI SOURCE	23046 AVENIDA DE LA CAR	250-20
GENTRE LABS, INC	23046 AVENIDA DE LA CAR	250-20
DUNN-EDWARDS CORPORATION	*23002 MOULTON PARKWAY*	*251-20*
RADIATOR SHOP THE	*23011 MOULTON PKWY*	*251-20*
RICKEN TRUCKING	*23185 LACADENA STE 102*	*252-20*
AMERICAN BREAST CENTERS	*23632 ROCKFIELD STE 205*	*253-20*

Site	Address	Map ID
INTERNATIONAL OPTHALMICS MFG	*23132 LACADENA SUITE F*	*254-20*
INTRA TRADE MEDICAL GROUP	*TERRA DR*	*255-20*
ACTIVE LIFESTYLES	*23095 TERRA DR*	*255-20*
DJ SCOTT'S MANUFACTURING	23096 TERRA DR	255-20
D J SCOTTS MFG INC	*23102 TERRA DR*	*255-20*
ANALLYTICAL SYSTEMS DIVISION	*23162 LA CADENA DRIVE*	*256-20*
SWISS-MICRON, INC	*23322 SOUTH POINTE DR N*	*257-20*
SIR SPEEDY INC	*23131 VERDUGO DR*	*260-20*
MICROGON NC	*VERDUGO DR*	*260-20*
CLEANING CENTER THE	*23804 MERCURY*	*261-20*
QUALITRONIX	*23272 VISTA GRANDE*	*263-20*
CONTRAST INC	*23282 PERALTA DR*	*263-20*
YOUNG ENGINEERS INC THE	*22951 ALCADE DR*	*266-20*
F H P LAGUNA HILLS MEDICAL CTR	*23330 MOULTON PKWY*	*269-20*
VIKING INDEPENDENT INC	*COMMERCE CENTER DR STE*	*271-20*
SADDLEBACK COLLISION & GLASS	*23501 COMMERCE CENTER S*	*271-20*
WATKINS AUTOMOTIVE	*COMMERCE CTR DR UNIT H*	*271-20*
CORVETTE TECHNOLOGY INC	*COMMERCE CENTER DR STE*	*274-20*
F H P LAGUNA HILLS MEDICAL	*22932 ALCALDE DR*	*275-20*
LEW WEBBS IRVINE AUTOBODY	*23522 COMMERCE CENTER D*	*276-20*
LEW WEBB'S IRVINE AUTO BODY	*23532 COMMERCE CENTER D*	*276-20*
SADDLEBACK VALLEY COLLISION	*23502-A COMMERCE CENTER*	*276-20*
DYNAMIC ELECTRONICS INC	*23142 ALCALDE STE D2*	*277-20*
LIMITED TS AND THINGS INC	*23197 ALCALDE*	*280-20*
CUSTOM COLOR PHOTO LAB	*23561 RIDGE ROUTE STE E*	*283-20*
VIEJO MOULTON LEASING	*23552 MOULTON PKWY*	*285-20*

HMIRS: The Hazardous Materials Incident Report System contains hazardous material spill incidents reported to the Department of Transportation. The source of this database is the U.S. EPA.

A review of the HMIRS list, as provided by EDR, and dated 09/30/2001 has revealed that there are 5 HMIRS sites within the searched area.

Site	Address	Map ID
Not reported	15029 SAND CANYON ROAD	11-5
Not reported	12 MCLAREN	218-20
Not reported	12 MCLAREN	218-20
Not reported	12 MCLAREN	218-20
Not reported	12 MCLAREN	218-20

MLTS: The Material Licensing Tracking System is maintained by the Nuclear Regulatory Commission and contains a list fo approximately 8,100 sites which possess or use radioactive materials and are subject to NRC licensing requirements.

A review of the MLTS list, as provided by EDR, and dated 02/14/2002 has revealed that there is 1 MLTS site within the searched area.

Site	Address	Map ID
TOSHIBA AMERICA, INC.	9740 IRVINE BOULEVARD	117-17

EXECUTIVE SUMMARY

PADS: The PCB Activity Database identifies generators, transporters, commercial storers and/or brokers and disposers of PCBs who are required to notify the United States Environmental Protection Agency of such activities. The source of this database is the U.S. EPA.

A review of the PADS list, as provided by EDR, and dated 12/01/2001 has revealed that there are 2 PADS sites within the searched area.

Site	Address	Map ID
USMC AIR STATION EL TORO	*LAT 33 40 19 LONG 117*	*0-2,5,6,7,8,10,11,12,13,15,16*
BELSHIRE ENVIRONMENTAL SVCS IN	*HAMMOND STE 506*	*73-12*

RAATS: The RCRA Administration Action Tracking System contains records based on enforcement actions issued under RCRA and pertaining to major violators. It includes administrative and civil actions brought by the United States Environmental Protection Agency. The source of this database is the U.S. EPA.

A review of the RAATS list, as provided by EDR, and dated 04/17/1995 has revealed that there is 1 RAATS site within the searched area.

Site	Address	Map ID
USMC AIR STATION EL TORO	*LAT 33 40 19 LONG 117*	*0-2,5,6,7,8,10,11,12,13,15,16*

TRIS: The Toxic Chemical Release Inventory System identifies facilities that release toxic chemicals to the air, water, and land in reportable quantities under SARA Title III, Section 313. The source of this database is the U.S. EPA.

A review of the TRIS list, as provided by EDR, and dated 12/31/1999 has revealed that there are 2 TRIS sites within the searched area.

Site	Address	Map ID
MULTEK INC	*16 HAMMOND*	*80-12*
THOMAS & BETTS CORP.	76 FAIRBANKS	85-11

FTTS: FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

A review of the FTTS list, as provided by EDR, and dated 01/11/2002 has revealed that there is 1 FTTS site within the searched area.

Site	Address	Map ID
ENVIRO HOLDINGS, INC.	*22600-C LAMBERT ST., 9*	*213-20*

STATE OR LOCAL ASTM SUPPLEMENTAL

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the AST list, as provided by EDR, and dated 02/27/2002 has revealed that there are 13 AST sites within the searched area.

Site	Address	Map ID
SOUTH COAST	***7601 IRVINE BLVD.***	***14-6***
OCTMC	6681 MARINE WAY	26-5,10
MCAS EL TORO	(NO STREET NBR) FUEL FA	39-11
SANTIAGO SUBSTATION	***15882 SAND CANYON AVE.***	***42-9***
JAMES MUSICK FACILITY	***13502 MUSICK***	***75-12***
SUNSTATE EQUIP LLC LAKE FOREST	20772 INDIAN OCEAN DR	81-13
IRVINE OPERATIONS CENTER	***23 PARKER STREET***	***101-12***
SADDLEBACK /SC	14155 BAKE PKWY.	190-16
NEIGHBORHOOD SERVICE CENTER	8767 IRVINE CENTER DR.	194-15
FORD QUALITY CARE CENTER	8787 IRVINE CENTER DR.	194-15
TUTTLE-CLICK FORD	***43 AUTO CENTER DR***	***208-20***
TUTTLE-CLICK, INC.	40 AUTO CENTER DR.	212-20
TUTTLE-CLICK DODGE	14 AUTO CENTER DR.	232-20

DRYCLEANERS: A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the CLEANERS list, as provided by EDR, and dated 03/18/2002 has revealed that there are 16 CLEANERS sites within the searched area.

Site	Address	Map ID
@ THE CLEANERS	6650 IRVINE CENTER DR	44-9
SKY LARK DRAPERY CLEANER	9272 JERONIMO RD	145-16
SKYLARK DRAPERY CLEANERS	9272 JERONIMO RD #103	145-16
HI TECH CLEANERS	***16 TECHNOLOGY 172***	***161-15,16***
CLEANER IN MOTION	***22500 MUIRLANDS BLVD***	***195-16***
ELITE CLEANERS	***22641 LAKE FORREST DR S***	***211-20,21***
FOREST CLEANERS	***22722 LAMBERT ST***	***221-20***
ASPEN CLEANERS	***22851 LAKE FOREST***	***229-20***
EXECUTIVE CLEANERS	***23600 ROCKFIELD #2R***	***236-20***
EXECTUTIVE CLEANERS	***23600 ROCKFIELD***	***236-20***
Q&B PHOTO	***23028 LAKE FOREST DRIVE***	***238-19,20***
SPOTLESS CLEANERS	***23016 LAKE FOREST***	***241-20***
EXECUTIVE CLEANERS	***22972 MOULTON PKWY #102***	***247-20***
MERCURY EXPRESS CLEANERS	***23804 MERCURY***	***261-20***
MATTHEWS SWISS CLEANERS	***23685 MOULTON PARKWAY***	***286-20***
SWISS CLEANERS	23685 MOULTON PKWY	286-20

WDS: California Water Resources Control Board - Waste Discharge System.

A review of the CA WDS list, as provided by EDR, and dated 03/18/2002 has revealed that there are 6 CA WDS sites within the searched area.

Site	Address	Map ID
NURSERY	7231 IRVINE BLVD	10-6
GREENWASTE, 7982 IRVINE BLVD	***7982 IRVINE BLVD***	***19-6***
GREENWASTE,LAKE FOREST	***20200 BAKE PARKWAY***	***37-13***
ERI UTILITY VAULT	20372 NORTH SEA CIRCLE	51-13
ENV. RESOLUTIONS 96-012-WQ5	9272 JERONIMO RD, STE 1	145-16
LAKE FOREST MS4	23161 LAKE CENTER DR, S	259-20

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, has revealed that there are 2 CA SLIC sites within the searched area.

Site	Address	Map ID
GE ENERGY AND ENVIRONMENTAL RE	***8001 IRVINE BLVD***	***24-6,11***
ASPEN CLEANERS	***22851 LAKE FOREST***	***229-20***

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the HAZNET list, as provided by EDR, has revealed that there are 415 HAZNET sites within the searched area.

Site	Address	Map ID
IRVINE UNIFIED SCHOOL DISTRICT	***14600 SAND CANYON AVE***	***2-1,5***
RYDER TRANSPORTATION SERVICES	14600 SAND CANYON	2-1,5
ORANGE CNTY/TRANSPORTATION AUT	14736 SANO CANYON AVE	3-5
TOSCO CORPORATION STATION #307	14886 SAND CANYON AVE	7-5
UNOCAL SERVICE STATION #4773	14886 SAND CANYON AVE	7-5
BORDIERS NURSERY	7231 IRVINE BLVD	10-6
SOUTH COAST RESEARCH & EXTENSI	7601 IRVINE BLVD	14-6
CELESTICA CORP	25902 TOWNE CENTER DR	16-8
CLARE OLSON	6968 TRABUCO RD	18-5
GREENWASTE, 7982 IRVINE BLVD	***7982 IRVINE BLVD***	***19-6***
BROWNING FERRIS INDUSTRIES	***7982 IRVINE BLVD***	***19-6***
A LUA TRUCKING	7973 IRVINE RD	19-6
ACEPEX MGMT CORP	8502 MIDWAY PL, EL TORO	20-6
IRVINE GARAGE	6952 TRABRUCO RD	22-5
GE-EER	***8001 IRVINE BLVD***	***24-6,11***
CALTRANS DIST 12/TOLL RD MAINT	6685 MARINE WAY	26-5,10
EL TORO RV	6441 BURT RD #A	27-9,10
SADDLEBACK R V INC	6441 BURT RD. # 32	27-9,10
WEST COAST RV SERVICE	6441 BURT ROAD	27-9,10

EXECUTIVE SUMMARY

Site	Address	Map ID
US POSTAL SERVICE	15642 SAN CANYON AVE	31-9
ORANGE COUNTY HOUSEHOLD HAZ MA	6411 OAK CANYON	33-9
IDC INC	6481 OAK CANYON	38-9
IRVINE ANALYTICAL LAB	***15375 BARRANCA PKWY STE***	***40-10***
SO CAL EDISON SANTIAGO SUBSTAT	15882 SANDCANYON	43-9
PERFORMANCE AUTO CARE	20771 BAKE PKWY, #D	46-13
STEVE'S AUTO CARE	20771 BAKE PKWY, #D	46-13
IMPCO TECHNOLOGIES INC	25242 ARCTIC OCEAN DR	47-12
ANSYS DIAGNOSTICS INC	***COMMERCENTRE DR***	***48-12***
BAKER RANCH PROPERTIES	BAKE PKWY / DIMENSION	49-13
DANE ELEC	15770 LAGUNA CANYON ROA	50-9
UNION CHEMICAR AMERICA	25781 ATLANTIC OCEAN DR	51-13
MARUCHAN INC LAGUNA PLANT	15800 LAGUNA CANYON RD	52-9
KONICA DISTRIBUTION NETWORK	25662 ATLANTIC OCEAN DR	53-13
TREBLA CHEMICAL CO	25662 ATLANTIC OCEAN DR	53-13
PSB INC	26012 ATLANTIC OCEAN DR	54-13
NUCLEI INC.	20411 JAMES BAY CIR	56-13
COMPRESSION INC	13765 D ALTON PKWY	58-12
CERTIFIED JAPANESE AUTO	***20771 BAKE PKWY UNIT F***	***59-12***
CO CENSYS	***213 TECHNOLOGY DR***	***60-10***
THE YOUNG ENGINEERS INC	***COMMERCENTRE DR***	***61-13***
NEWS DIGITAL SYSTEMS	25901 COMMERCECENTRE DR	62-13
ARB INC	20602 INDIAN OCEAN	63-13
DYNACAST INC	***COMMERCENTRE DR***	***64-13***
MICELLE LABORATORIES	20481 CRESCENT BAY DR	65-12
LEXUS WESTERN AREA	209 TECHNOLOGY DR #100	66-10
SPECIALTY AUTOWERKES	***10 HAMMOND STE 300 30***	***67-12***
ARB INC	20632 INDIAN OCEAN DR	68-13
KNIGHT INC	20531 CRESCENT BAY DR	69-12
KNIGHT INC	20531 CRESCENT BAY DR	69-12
THERMAPRINT	***13645 ALTON PKWY***	***70-12***
RAMONS AUTOMATIC MACHINING INC	13695 ALTON PKWY	71-12
ENDOLOGIX INC.	13700 ALTON PKWY #167	71-12
ALLIED MICRO-GRAPHICS	13700 ALTON PKWY #167	71-12
KILORY REALTY CORPORATION	216 TECHNOLOGY DR	72-10
GEC AND PLESSY SEMICONDUCTORS	13900 ALTON PKWY	74-11,12
KILROY REALTY	13765 ALTON PKWY	74-12
AFAB	***13805 ALTON PKWY STE A***	***74-12***
JMAR SEMICONDUCTOR INC	13845-B ALTON PKWY.	74-12
IMAGE PRINTING SOLUTIONS	13865 ALTON	74-12
CNTY ORANGE/SHERRIFF CORONER	13502 MUSICK	75-12
LAUGHLIN-WILT GROUP INC	25 EMPIRE DR	76-12
KIA ENGINERING CALIFORNIA	15251 BARRANCA PKWY	78-10
CORTEX PHARMACEUTICALS INC	15241 BARRANCA PARKWAY	79-10
HAMMOND AUTO SERVICE	8 HAMMOND DR #115	80-12
MPRINT	8 HAMMOND #102	80-12
SPECIALTY AUTOWRECKERS	10 HAMMOND	80-12
LIBERTY GRAPHICS	15 HAMMOND #306	80-12
MULTEK INC	***16 HAMMOND***	***80-12***
TEKIA INC	17 HAMMOND #414	80-12
KUMMER AMERICAN CORP	19 HAMMOND ST	80-12
AMERICAN SPEEDY PRINTING CNTR	19 HAMMOND	80-12
BELSHIRE ENVIRONMENTAL SERVICE	19 HAMMOND	80-12
MULTILAYER TECHNOLOGY INC	***HAMMOND***	***80-12***
VAN DIJK AND ASSOCIATES INC	***28 HAMMOND STE G***	***80-12***
SHASTA GRAPHICS INC	33 HAMMOND AVE	80-12

EXECUTIVE SUMMARY

Site	Address	Map ID
NCR CORPORATION	33 HAMMOND DRIVE	80-12
TOSHIBA AMERICA INFORMATION SY	35 HAMMOND	80-12
SUNSTATE EQUIPMENT CO, LLC	20772 INDIAN OCEAN DR.	81-13
CHEROKEE INTERNATIONAL LLC	15221 BARRANCA PKWY.	82-10
ORANGE INK INCORPORATED	23 MUSICK	84-12
WATER FACTORY SYSTEMS INC	68 FAIRBANKS	85-11,12
ABB COMPOSITES INC	***72 FAIRBANKS***	***85-11***
WOLVERINE TECHNOLOGY	72 FAIRBANKS	85-11
THOMAS & BETTS CORPORATION	76 FAIRBANKS	85-11
VIKING FREIGHT INC	56 FAIRBANKS RD	86-11,12
MODULINK INC	105 NORTH POINTE DRIVE	87-12
BANK COMMERCIAL	7700 IRVINE CENTER DR	88-10
IRVINE CENTER BLDG/BANC COMMER	7700 IRVINE CENTER DR	88-10
IRVINE CTR BLDG	7700 IRVINE CTR DR	88-10
STEVE PETERSON	7700 IRVINE CTR DR	88-10
MAZDA MOTORS OF AMERICA INC	7755 IRVINE CENTER DR	89-10
INTERPORE CROSS INTERNATIONAL	181 TECHNOLOGY DR	91-10
CANDLEWOODS MOTEL INC	3 SOUTH POINTE DR	92-12
WESTERN DIGITAL CORP	***1 BANTING***	***94-9,10***
WESTEX	1 BANTING	94-9,10
TOYOTA MOTOR SALES, U.S.A., IN	2 BANTING	94-9,10
MOTOROLA MOS 10	***BANTING***	***94-9,10***
DATUM IRVINE	3 PARKER	95-12
BAXTER HEALTHCARE BIOTECH - IT	9 PARKER	96-12
NEXELL THERAPEUTICS INC	9 PARKER	96-12
ADVANCED INTERVENTIONAL SYSTEM	***9 PARKER***	***96-12***
ASSOCIATED INDUSTRIES INC	15291 BARRANCA PKY	97-10
SITAG INTERNATIONAL INC	170 W TECHNOLOGY DR	98-10
COMARCO WIRELESS TECHNOLOGIES	167 TECHNOLOGY DR	98-10
IRVINE OPERATIONS CENTER	***23 PARKER STREET***	***101-12***
BURSTEIN TECHNOLOGIES INC	163 TECHNOLOGY DR W STE	103-10,15
BURNSTEIN LABS	163 TECHNOLOGY DR, STE	103-10,15
LOS ALISOS WATER DISTRICT	20996 MARIN	104-13,18
TOSHIBA AMER. INFORMATION SYST	***34 PARKER***	***105-12,17***
ALESSI INC	***35 PARKER***	***105-12,17***
TRI-STAR ELECTRONICS INTERNATI	45 PARKER ST	106-12,17
NEOTHERAPEUTICS	157 TECHNOLOGY DR	108-10,15
ALCON LABORATORIES INC	15800 ALTON PKWY	109-9,10,14,15
EIBACH NORTH AMERICAN	15311 BARRANCA PARKWAY	111-10,15
NINTEMAN CONSTRUCTION	15792 ALTON PKWY	112-14,15
PUBLIC STORAGE	18 HUGHES PROPERTY 2090	113-16
PARKER HANNIFIN CONTROL SYS DI	14300 ALTON PKWY	114-16
THE IRVINE COMPANY PROPERTY	15320 BARRANCA PKWY	115-15,16
WESTAMERICA GRAPHICS CORP	15321 BARRANCA PKWY	116-15,16
TOSHIBA	9740 IRVINE BLVD	117-17
ALTON GEOSCIENCE INC	***25 TECHNOLOGY DR UNIT A***	***118-15***
WESTERN DIGITAL CORPORATION	8105 IRVINE CENTER DR	119-15
ICU MEDICAL	142 TECHNOLOGY DRIVE	120-15
SOLUS INDUSTRIAL INNOVATIONS L	1-A MORGAN	121-16
BIOPSYS	3 MORGAN	121-16
PREMIERE LASER SYSTEMS INC	3 MORGAN	121-16
JOY PRODUCTS	***6 MORGON 152***	***121-16***
SOUTHLAND MICROSYSTEMS	7 MORGAN ST	121-16
NORTH AMERICAN SCIENCE ASSCTS	***9 MORGAN***	***121-16***
STASON PHARMACEUTICALS, INC	11 MORGAN	121-16
FLOJET	12 MORGAN	121-16

Site	Address	Map ID
FLOJET CORP	12 MORGAN ST	121-16
HUNSAKER & ASSOCIATES IRVINE I	3 HUGHES	121-16
FLOJET CORP	15 MORGAN	121-16
PIETRAVALLE DIGITAL LITHOGRAPH	18 MORGAN	121-16
SYSTEMS DIVISION INC	21 MORGAN	121-16
CAMINTONN CORP	22 MORGAN	121-16
LUCKY STORES DISTRIBUTION CNTR	***9300 TOLEDO WAY***	***122-16***
COMARCO WIRELESS TECHNOLIGY	2 CRONWELL	123-17
KIA MOTORS AMERICA INC.	2 CROMWELL	123-17
ALL COLOR PHOTO AND GRAPHICS	10 HUGHES STREET	124-16
COPY SHOPPE PRINTING	12 HUGHES #D105	124-16
CONDOR FREIGHT LINES	9401 TOLEDO WAY	125-16
EPOXYLITE CORPORATION	***9400 TOLEDO WAY***	***125-16***
SIGNATURE PRINTING COMPANY	15375 BARRACA PARKWAY	126-16
PHARMA PASS INC	15375 BARRABCA PKWY	126-16
GENSIA LABS LTD	***HUGHES***	***127-16***
GENSIA LAB LTD	19 HUGHES	127-16
KILLOY REALITY CORP	9451 TOLEDO WAY	128-16
ANSYS DIAGNOSTICS INC	2 GOODYEAR	129-17
RACAL INSTRUMENTS INC C/O FACI	4 GOODYEAR ST	129-17
RAYTHEON SERVICE COMPANY	***GOODYEAR STREET***	***129-17***
DIVINCI PAINT COMPANY	11 GOODYEAR STREET	129-17
JETLINE ENGINEERING, INC.	15 GOODYEAR ST	129-17
COSTCO WHOLESALE # 454	115 TECHNOLOGY DR	130-15
WESTERN DIGITAL CORP	15345 BARRANCA	131-16
IOVISION INC	***34 MAUCHLY STE B***	***132-16***
MEDENNIUM INC	15350 BARRANCA PKWY	133-16
OSHMAN'S SUPERSPORTS	101 TECHNOLOGY DR	134-15
TOXGUARD FLUID TECH, INC.	30-A MAUCHLY	136-15,16
NEW AGE GRAPHICS	***9600 TOLEDO***	***137-16,17***
TWIINZ GRAPHICS	9600 TOLEDO WAY	137-16,17
GOTCHA INTERNATIONAL LP	9600 TOLEDO WAY	137-16,17
FKM COPIERS	5 STUDEBAKKER	138-16
NATIONAL SEMICONDUCTOR CORPORA	11 STUDEBAKER	138-16
GRAPHICS IMAGEWORKS INC	9201 JERONIMO RD	140-16
FABRICATORS THE DBA HA INTL	***JERONIMO RD***	***140-16***
GRONDORF FIELD COMPANY	9201 JERONIMO RD	140-16
THE FABRICATORS DBA HA INTL	9201 JERONIMO RD	140-16
EXHIBITREE, INC	***9700 TOLEDAO WY***	***142-16,17***
USA EXPRESS GOOD YEAR	24561 TRABUCO PKWY	143-17
LIFE SUPPORT PRODUCTS, INC	***1 VANDERBILT***	***144-16***
G.R.	3 VANDERBILT	144-16
MESA ENGERY SYSTEMS	5 VANDERBILT	144-16
BECWAR ENGINEERING INC	7 VANDERBILT	144-16
IRVINE ANALYTICAL LABORATORIES	10 VANDERBILT	144-16
GRAPHTEC TECHNOLOGY INC	11 VANDERBILT	144-16
SUN-TEN LABORATORIES	9250 JERONIMO ROAD	145-16
DESIGN WEST	9272 JERONIMO #170A	145-16
RAINBOW TECHNOLOGIES	9292 JERONIMO RD	145-16
HID CORPORATION	9292 JERONIMO RD	145-16
HUD INTOWN PROPERTIES	25205 SHADYWOOD	146-17
TOSHIBA	9775 TOLEDO WAY	147-17
SUPER MASK INC	15375 BARRANCA PKWY	148-16
PRINTWORKS	15375 BARRANCA PKWY	148-16
WEARNES HOLLINGWORTH	4 CHRYSLER	149-16
INNOVATION SPORTS INC	***7 CHRYSLER***	***149-16***

EXECUTIVE SUMMARY

Site	Address	Map ID
PREECE INC	***11 CHRYSLER***	***149-16***
BAUSCH & LOMB SURGICAL	9342 JERONIMO RD	151-16
HOLT, INC	***9351 JERONIMO RD***	***151-16***
IPC COMMUNICATION SERVICES	***9400 JERONIMO***	***153-16***
ADVANCED LOGIC RESEARCH	9401 JERONIMO RD	153-16
ANALECT	9420 JERONIMO RD	153-16
CITY LAKE FOREST/PUBLIC WORKS	25255 TOLEDO WY	154-17
JOHNSON LIFT	***6 BENDIX***	***155-16***
TEXACO	51 TECHNOLOGY	156-15
BIRTCHER MEDICAL SYSTEMS	50 TECHNOLOGY DR	156-15
RAINBOW TECHNOLOGIES	50 W TECHNOLOGY DR	156-15
DADE INTERNATIONAL INC	***JERONIMO RD***	***159-16***
BIO-RAD LABORATORIES	9500 JERONIMO	159-16
MAI SYSTEMS	9501 JERONIMO RD	159-16
KONICA USA INC	9560 JERONIMO BLVD	160-16
DINAMATION INTERNATIONAL CORP	9560 JERONIMO	160-16
ADVANCED STERILIZATION PRODUCT	33 TECHNOLOGY DR	161-15
THE IRVINE CO	31 TECHNOLOGY DR	161-15
NOVOCELL INC	31 TECHNOLOGY	161-15
AUSTIN COMPANY	27 TECHNOLOGY	161-15
HI TECH CLEANERS	***16 TECHNOLOGY 172***	***161-15,16***
PINNACLE MICRO	19 TECHNOLOGY	161-15,16
LIFE FITNESS	9601 JERONIMO ROAD	162-16
LIEBERT CORPORATION	9650 JERONIMO RD	164-16
HEMOSPHERE INC	15251 ALTON PKWY	165-16
ADAPTEC INC	9701 JERONIMO ROAD	166-16
ALLERGAN MEDICAL OPTICS	9701 JERONIMO	166-16
STRAUB DISTRIBUTING CO INC	***3 HOLLAND AVE***	***168-16***
STRAUB DISTRIBUTING CO	***3 HOLLAND 1,2,3***	***168-16***
CONSOLIDATED FREIGHT WASTE	***5 HOLLAND ST***	***168-16***
MCKESSON WATER PRODUCTS CO	2 STERLING STREET	168-16
C P U, INC.	7 HOLLAND	168-16
WESTERN TELEMATIC INC	***5 STERLING***	***168-16***
OAKLEY	***10 HOLLAND***	***168-16***
CALSONIC NORTH AMERICA-CALIF O	9 HOLLAND	168-16
JELIGHT COMPANY INC	2 MASON	169-16
TECTRON ENGINEERING INC	***4 MASON ST***	***169-16***
USHIO AMERICA INC	14 MASON AVE	170-16
TECHNION INC	***14 MASON***	***170-16***
CHIRON OPHTHALMICS INC	***15A MARCONI***	***172-16***
FUTEK ADVANCED SENSOR TECHNOLO	10 THOMAS	173-16
KAWASAKI MOTORS CORP	9950 JERONIMO RD	174-16
KAWASAKI MOTOR CORP	***9950 JERONIMO RD***	***174-16***
MIKE FISHER	21836 MICHIGAN	175-17
AUTONATION USA	9101 RESEARCH DRIVE	176-15
PICKER INTERNATIONAL INC	1 MARCONI	177-16
XIDEX DATA DISC	***1 MARCONI***	***177-16***
DON DE CRISTO CONCRETE ACCESSO	4 MARCONI	177-16
TROPITONE FURNITURE	***5 MARCONI***	***177-16***
ABX DIAGNOSTICS	34 BUNSEN DR	178-15
OAKLEY	***1 MARCONI ST UNITS A B***	***182-16***
ADGRAPHICS	4 WRIGLEY	185-16
BOMED MEDICAL MFG LTD	5 WRIGLEY	185-16
PROMOTIONAL SIGNS INC	8 WRIGLEY	185-16
INTERNATIONAL COLOR POSTERS	8 WRIGLEY	185-16
EXTEND MICROPRODUCTS	2 FAIRADAY	187-16

EXECUTIVE SUMMARY

Site	Address	Map ID
J HEWITT INC	***6 FARADAY UNIT B***	***187-16***
PERKIN ELMER CORP	10 FARADAY	187-16
COLORGRAPHICS INC	9999 MUIRLANDS BLVD	188-16
SO CAL EDISON SADDLEBACK SERVI	14155 BAKE PARKWAY	190-16
POLLUTION CONTROL ENGINEERING	6 AUTRY ST	191-16
CHEN-TECH INDUSTRIES INC	10 AUTRY	191-16
CAL TRUST	15253 BAKE PKWY	192-15
MATSUSHITA AVIONICS SYSTEMS CO	15253 BAKE PKWY	192-15
MONARCH BUSINESS FORMS	15041 BAKE PARKWAY	193-16
NEIGHBORHOOD SERVICE	8767 IRVINE CENTER DR	194-15
JIFFY LUBE NO 1856	***IRVINE CENTER DR***	***194-15***
WILD RIVERS	8770 IRVINE CENTER DR	194-15
FORD AUTO CARE	8787 IRVINE CENTER DRIV	194-15
THE SWEDISH MECHANIC INC	8797 IRVINE CTR DR #D	194-15
1X LION COUNTRY SAFARI INC	8800 IRVINE CENTER DR	194-15
LION COUNTRY SAFARI INC	8800 IRVINE CENTER DR	194-15
DAVE TRANSPORTATION SERVICES	8800 IRVINE CENTER DR	194-15
CLEANER IN MOTION	***22500 MUIRLANDS BLVD***	***195-16***
PIP PRINTING #921	22500 MUIRLANDS	195-16
PROMOTIONAL SIGNS, INC.	22552 MUIRLANDS BLVD	196-16
UCAR COMPOSITES INC	5 BURROUGHS	198-16,20
SUBARU	12 WHATNEY	199-16,20
LUMENYTE INTERNATIONAL CORP	12 WHATNEY	199-16,20
ROCK & WATERSCAPE SYSTEMS INC	11 WHATNEY	199-16,20
SALEEN PERFORMANCE INC	***WHATNEY***	***199-16,20***
NGK SPARK PLUGS (USA) INC	6 WHATNEY	199-16,20
COMPUTER PERIPHERALS INTERNATI	7 WHATNEY	199-16,20
UNISTRUCTURE INC	3 WHATNEY	199-16,20
JIM CLICK AUDI JEEP RENAULT	***AUTO CTR DR***	***200-16,20***
DISCOUNT TIRE CENTERS #027	23942 MC WORTER WAY	201-16,20
AUTO DEPOT	23941 MC WHORTER	201-16,20
VALLEY AUTO CTR	***23902 REMME RIDGE***	***203-20***
DANSWORTHS RADIATOR CLINIC	23902 REMME RIDGE	203-20
NOVA MANUFACTURING INC	23892 REMME RIDGE	203-20
THE ORANGE COUNTY REGISTER	22481 ASPEN ST	204-20
IRVINE B M W	***45 OLDFIELD***	***205-20***
THE SERVICE STATION OF LAKE FO	22512 ASPAN	207-20
HOMETOWN AUTO SERVICE CENTER	22512 ASPAN ST	207-20
AMERICA WEST PROP	22541 ASPAN STREET	207-20
MURAD C.C INC	3 OLDFIELD RD	208-20
TUTTLE-CLICK FORD	***43 AUTO CENTER DR***	***208-20***
Not reported	***51 AUTO CENTER DRIVE #2***	***208-20***
SADDLEBACK AUTOMOTIVE	51 AUTO CENTER DR #20	208-20
FOREIGN WORKS INC	51 AUTO CENTER DR #14	208-20
GENE'S AUTO REPAIR INC	51 AUTO CENTER DR #10	208-20
CHUCKS IND MAZDA REPAIR	***51 AUTO CENTER DR***	***208-20***
SHINZO AUTO SERVICE	51 AUTO CENTER DR #27	208-20
EUROMOTORS	51 AUTO CENTER DR #8	208-20
VOLVO IRVINE	***42 AUTO CENTER DR***	***208-20***
LEW WEBB'S IRVINE NISSAN, INC	***44 AUTO CENTER DR***	***209-20***
HI TECH COLLISION & PAINTING	***22582 SHANNON CIR***	***210-20***
ELITE CLEANERS	***22641 LAKE FORREST DR S***	***211-20,21***
TUTTLE CLICK INC	***40 AUTO CENTER DR***	***212-20***
FREEWAY AUTO BODY	***AUTO CENTER DR***	***212-20***
PARKWAY LAWNMOWER SHOP	22600 LAMBERT	213-20
BEST PRINTING	15791 ROCKFIELD BLVD	215-20

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Site	Address	Map ID
SADDLEBACK RADIATOR INC	15795 ROCKFIELD BLVD	215-20
FURNITURE ARTISTS THE	22600 G LAMBERT #1403	216-20
SIERRA PRINTING GRAPHICS	22651 LAMBERT ST,#108	217-20
JAC PRINTING AND GRAPHICS	22651 LAMBERT #109	217-20
SPECTRUM COLLISION CENTER LLC	20 MCCLAREN	218-20
ROADWAY EXPRESS	12 MCLAREN	218-20
DRIVELINE UNLIMITED	***MC CLAREN ST STE M***	***218-20***
BETHKE PRINTING PUBLISHING	4-A MCLAREN	218-20
BLACK DIAMOND PRINTING	22706 ASPAN #600	219-20
1X HEALTH RESTORATION CENTER	22706 ASPAN ST	219-20
EXCEL PRINTING CO	22706 ASPAN ST, #600	219-20
CYMERINT CHIROPRACTIC CENTER	22821 LAKE FOREST DR #1	220-20
PS BUSINESS PARKS	22722 LAMBERT ST	221-20
FOREST CLEANERS	***22722 LAMBERT ST***	***221-20***
U S HEALTHWORKS	22741 LAMBERT STREET	221-20
LEW WEBBS IRVINE TOYOTA	***30 AUTO CENTER DRIVE***	***223-20***
PACIFIC BELL	9400 IRVINE CENTER DR	224-20
MEINEKE MUFFLERS	22741 ASPAN STREET	225-20
LAKE FOREST TRANSMISSION INC	***22741 ASPAN ST***	***225-20***
HI TECH AUTOMOTIVE CENTER	22751 ASPAN	225-20
BURDI CHIROPRACTIC	22762 ASPAN STREET	225-20
MARK C BLOOME	22765 ASPAN STREET	225-20
IRVINE MAZDA	***11 21 AUTO CTR DR***	***226-20***
TUTTLE-CLICK FORD TRUCKS	***14 AUTO CENTER DR***	***227-20***
JOE MAC PHERSON CHEVROLET	***21 AUTO CENTER DR***	***228-20***
ASPEN CLEANERS	***22851 LAKE FOREST***	***229-20***
SADDLEBACK URGENT CARE 2	***22855 LAKE FOREST DR***	***229-20***
RAY FLADEBOE LINCOLN MERCURY	***16 THRU 20 AUTO CENTER***	***232-20***
TUTTLE CLICK FORD	14 AUTO CENTER DR	232-20
BIX FINISHING AND STRIPPING	***MOULTON PKWYU SUITE B7***	***233-20***
CUSTOM FINISHING	***23011 MOULTON PARKWAY D***	***235-20***
BEACON BAY AUTO WASH/L FORREST	***23581 ROCKFIELD BLVD***	***236-20***
EXECUTIVE CLEANERS	***23600 ROCKFIELD #2R***	***236-20***
LAKE FOREST SHELL	23038 LAKE FOREST DR	237-19,20
SADDLEBACK SUZUKI	23034 LAKE FOREST DR	237-19,20
Q&B PHOTO	***23028 LAKE FOREST DRIVE***	***238-19,20***
PRINTEX	23024 LAKE FOREST	239-20
FLEXART INKS PAINTS & COATINGS	22971 TRITON WAY #F	239-20
SMILE CARE DENTAL GROUP	23622 ROCKFIELD	240-20
CHEVRON PRODUCTS COMPANY #9093	23631 ROCKFIELD	240-20
ROCKFIELD CHEVRON SERVICE CENT	23631 ROCKFIELD	240-20
FRANK'S FOREIGN CAR SRVC INC D	23663 ROCKFIELD BLVD	240-20
MIKES TEXACO	***23652 ROCKFIELD***	***240-20***
MIKE'S TEXACO	23652 ROCKFIELD BLVD	240-20
SPOTLESS CLEANERS	***23016 LAKE FOREST***	***241-20***
DUNN-EDWARDS CORP	16191 LAKE FOREST DR	243-20
LAGUNA HILLS BUSINESS CENTER	23012 DEL LAGO DR	243-20
SADDLEBACK COMMUNITY CHIROPRAC	23028 LAKE FOREST DRIVE	244-20
EXECUTIVE CLEANERS	***22972 MOULTON PKWY #102***	***247-20***
AUTOBODY BY CALDWELL INC	22681 GRANITE WAY	248-20
MECHANICA MANN LLC	22701 GRANITE WAY	248-20
AUTOBODY BY CALDWELL INC	22772 GRANITE WAY	248-20
THE COLTON CO	23072 LAKE CENTER	249-20
DUNN-EDWARDS CORPORATION	***23002 MOULTON PARKWAY***	***251-20***
SADDLEBACK VALLEY PRINTING	23011 MOULTON PARKWAY	251-20
RADIATOR SHOP THE	***23011 MOULTON PKWY***	***251-20***

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Site	Address	Map ID
PAINTWERKS OF LAGUNA HILLS	23011 MOULTON PKY	251-20
RODS AUTO	23011 MOULTON PKWY, #C1	251-20
WATSON HYDRAULICS INC	23041 LA CADINA DR	255-20
PLASTIC AND METAL CENTER	23162 LA CADENA DR	256-20
1X FOSSIL ENERGY RESEARCH CORP	23342 SOUTH POINT	257-20
LAKE FOREST DENTAL GROUP	23082 RIDGE ROUTE DR	258-21
SPECTRUM LABORATORIES INC	23152 VERDUGO DR	260-20
SPECTRUM MICROGON	23152 VERDUGO DR	260-20
MERCURY EXPRESS CLEANERS	***23804 MERCURY***	***261-20***
ENERGY RESERACH CONSULTANTS	23342 SOUTH POINTE	262-20
PLASTIC & METAL CENTER	23161 PERALTA DR	263-20
COOKSEY CORP THE	23191 PERALTA DR	263-20
U HAUL/AUTO DEPOT	23221 PERALTA DRIVE	263-20
PROPERTY OF REG DE LA CUESTA	23251 PERALTA	263-20
EDI COMONENTS	23251 VISTA GRANDE,STE	263-20
1X VICKING INVESTORS	23281 VISTA GRANDE	263-20
LUNA MACHINE	23192 VERDUGO RD	264-20
BRIGGS INVESTMENT PROPERTIES	***23261 DEL LAGO DR***	***265-20***
FOREFRONT CORP	23561 RIDGE ROUTE STE D	265-20
VIKING LITHO	23282 DEL LAGO DR	265-20
MISSION PEST CONTROL	23286 DEL LAGO DR	265-20
HUD	23335 CAMINITO ANDRETA	267-19
MEDICENTER CHIROMED	23271 VERDUGO DR	268-20
R C WESTBURG ENGINEERING INC	23282 VERDUGO DRIVE	268-20
TERMINEX #2296	23302 VERDUGO DR	268-20
TALBERT DENTAL GROUP	23340 MOULTON PKWY	269-20
SURFACE MOUNT TECHNIQUES	23052 ALCALDE STE F	270-20
WATKINS AUTOMOTIVE	***COMMERCE CTR DR UNIT H***	***271-20***
BJ'S AUTOMOTIVE REPAIR	23551 COMMERCE CTR	271-20
CLAYTON THOMAS NOEL DC	23412 MOULTON PKWY #100	272-20
DYLERN INC	23342 PERALTA DR UNIT 8	273-20
LAGUNA AUTO COLLISION	23501 COMMERCE CENTER D	274-20
F H P LAGUNA HILLS MEDICAL	***22932 ALCALDE DR***	***275-20***
GARRETT PRECISION	22951 ALCALDE DR	275-20
CHUP CORP DBA COLOR DIGIT	22981 ALCALDE RD	275-20
ZEVCO, INC.	22982 ALCALDE DRIVE	275-20
TNK AUTOMOTIVE	23551 COMMERCE CENTER	276-20
WATKINS-EUROCARE AUTO REPAIR	23551 COMMERCE CENTER D	276-20
SOUTHLAND AUTOMOTIVE	23551 COMMERCE CENTER D	276-20
AUTO REPAIR SHOP	23551 COMMERCE CENTER D	276-20
SUPERIOR PROCESSING	23552 COMMERCE CENTER D	276-20
IRVINE AUTO BODY	23532 COMMERCE CENTER D	276-20
TNK AUTOMOTIVE	23502 COMMERCE CENTER D	276-20
HNT AUTO CARE INC	23512 COMMERCE CENTER D	276-20
BURKE MANAGEMENT	23342 PERALTA DR	277-20
SARES RIDGES GROUP	23352 PERALTA DR. #12	277-20
PFAHL MARINE PRODUCTS COMPANY	23122-A ALCALDE	278-20
B&B GEAR INC	23291 MILL CREEK DR	279-19
B PRECISE MACHINING INC	23422 PERALTA DRIVE #I	281-20
MUSTANG PRINTING	23482 PERALTA ST D-1	282-20
BHC DEVELOPMENT	23561 RIDGE RTE #A	283-20
COLOR DIGIT	23561 RIDGE ROUTE #F /	283-20
LAGUNA HILLS AUTOBODY & PAINT	23561 RIDGE ROUTE DRIVE	283-20
TECHNICAL MAINTENANCE SUPPORT	23621 RIDGE ROUTE DR	283-20
BAXTER HEALTHCARE - EDWARDS LA	23601 RIDGE ROUTE	283-20
P S BUSINESS PARK	23461 RIDGE ROUTE, STE	284-20

EXECUTIVE SUMMARY

Site	Address	Map ID
TRI STATE RESTORATION INC	23501 RIDGE ROUTE RD	284-20
TRANS STAR PROPERTIES	23521 RIDGE ROUTE DRIVE	284-20
ROSSMOOR PARTNERS, L. P.	***23552 MOULTON PKWY***	***285-20***
MATTHEWS SWISS CLEANERS	***23685 MOULTON PARKWAY***	***286-20***

EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.

Section 1

Overview and Key Map

Overview Map

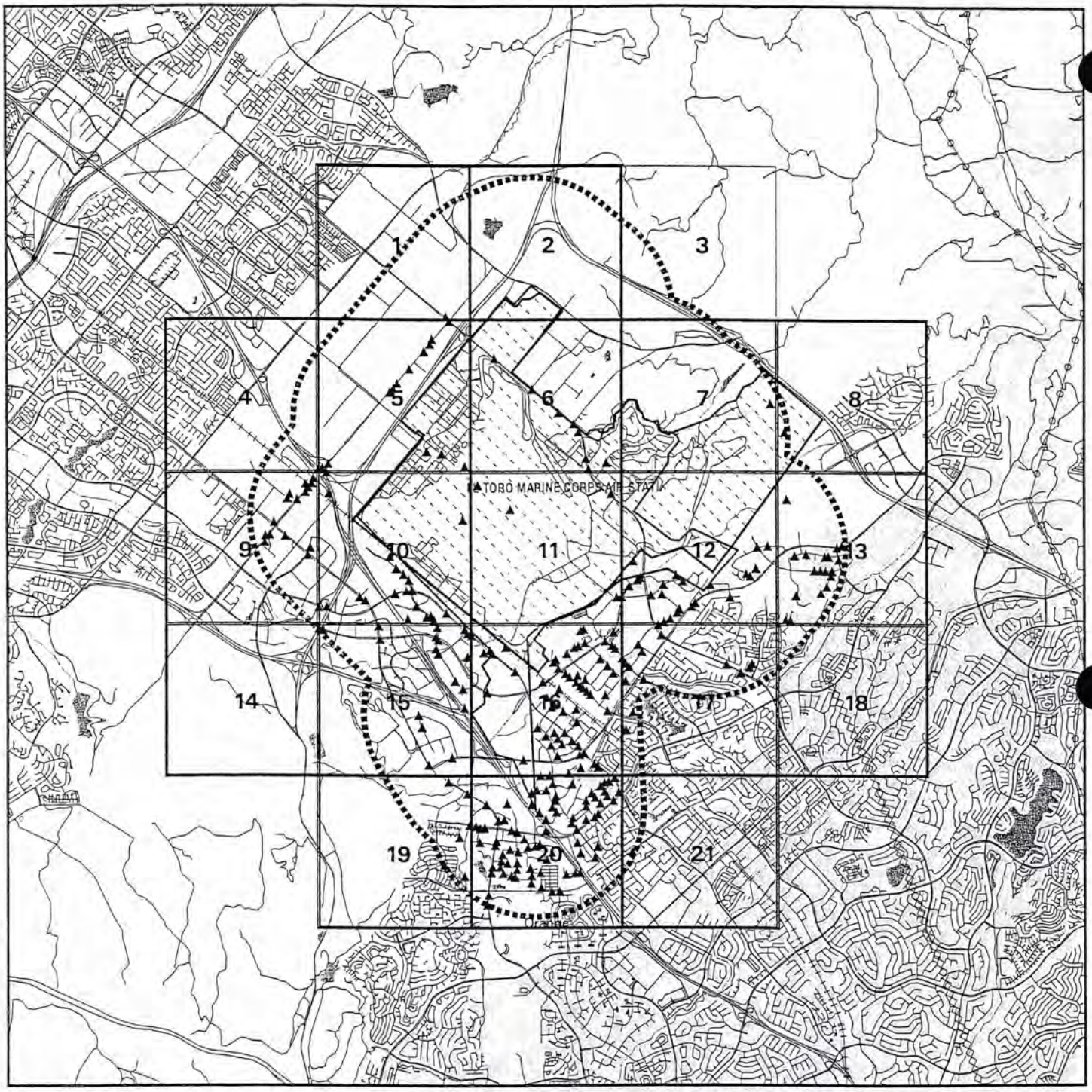
EDR - Area/Corridor Study

Former MCAS El Toro Property & Adjacent Property

Environmental Data Resources, Inc.
1-800-352 0050

N

Key Map



Environmental Data Resources, Inc.
1-800-352-0050

EDR –Area/Corridor Study

Former MCAS El Toro Property & Adjacent Property

N

Legend

- Roads
- Major Roads
- Contour Lines
- Waterways
- Railroads
- Study Boundary
- Powerlines
- Pipelines
- Fault Lines
- Superfund Sites
- Water
- Listed Sites
- Sensitive Receptors

0 1 2

Scale in Miles

Appendix C
Baseline Verification Summary Report
Agricultural Use Areas

Summary Report

Baseline Verification Sampling

Agricultural Use Areas
Former Marine Corps Air Station
El Toro, California

Prepared for

Department of the Navy
Commander, Southwest Division
Naval Facilities Engineering Command
San Diego, California 92132-5190

Prepared by

Earth Tech, Inc.
700 Bishop Street, Suite 900
Honolulu, Hawaii 96813

April 2003

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ACRONYMS AND ABBREVIATIONS

µg/kg	micrograms per kilogram
APCL	Applied Physics and Chemistry Laboratory
BCT	BRAC Cleanup Team
bgs	below ground surface
COC	chain of custody
EPA	Environmental Protection Agency
JEG	Jacobs Engineering Group, Inc
MCAS	Marine Corps Air Station
PRG	preliminary remediation goal
U.S.	United States

1. INTRODUCTION

In accordance with United States (U.S.) Environmental Protection Agency (EPA) Region 9 requirements (EPA 1994), a confirmatory sampling program was conducted at former Marine Corps Air Station (MCAS) El Toro in December 1994 at agricultural use areas and other areas that were identified as potentially uncontaminated. These areas were required to be sampled if pesticides and herbicides may have been routinely applied. The primary objective of the confirmatory sampling program was to determine residual levels of pesticides and herbicides in shallow soils at former MCAS El Toro to support the Navy's assigned "uncontaminated" status in the stationwide Draft EBS that was being prepared at the end of 1994. Soil samples were collected at depths of 0, 2, and 4 feet below ground surface (bgs) at locations such as low-lying points, known pesticides/herbicides handling areas, and sand traps (as in the case of the golf course). At each location, the 4-foot-bgs sample was only analyzed if any of the analytes from the shallower samples exceeded their respective preliminary remediation goals (PRGs). All samples were analyzed for pesticides and herbicides by EPA methods 8140 and 8150, respectively. A risk screening was also performed based on the analytical results.

Since the confirmation sampling program in 1994, several of the parcels have continued to be used for agricultural purposes involving the application of pesticides and herbicides. Therefore, to assess the current environmental status and any impacts at these areas by the lessees, samples were collected at approximately the same 1994 locations at depths of 0, 2, and 4 feet bgs. Samples were collected only at 1 and 4 feet bgs at locations where evidence of recent tilling operations was apparent.

This verification sampling was implemented as described in Appendix A, *Draft Work Plan, Preliminary Assessment of Locations of Concern, Environmental Baseline Survey* (Earth Tech 2002), which was reviewed by and received concurrence from the BRAC Cleanup Team (BCT).

2. FIELD SAMPLING

Sampling of parcels AG-1 through AG-9 was conducted during August 2002. Figure 1 shows the locations of all of the parcels in relation to each other, as well as soil sampling locations. Figures 2 through 7 present the individual parcels and their respective sampling locations.

Descriptions of boring locations within each parcel are found in Table 5-1 of the 1995 *Basewide EBS* (SWDIV 1995). In general, topographic and drainage features were consistent with the 1994 investigation. However, two sample locations within parcel AG-1 were required to be relocated with respect to the 1994 locations to new areas due to landscape changes since 1994. CP6-B1 at parcel AG-1 was originally collected at a drainage collection area near the southwest corner of the parcel. This area has since been built up with gravel. The current sample location (AG1-HA1) was moved approximately 10 feet north of the 1994 sampling location, within the runoff collection ditch. CP6-B3 at PAZ-1 was originally located near the southernmost corner of the parcel in order to assess the pesticide/herbicide impacts in this area. This area is now located within a constructed reservoir. The current sample location (AG1-HA3) was moved directly northwest of the original sampling location.

Hand auger samples were collected at depths of 0, 2, and 4 feet bgs. Samples were collected using a hand auger in general accordance with CLEAN II Standard Operating Procedures (SOP) 4, *Soil Sampling* (BNI 1999). Between samples, the hand auger was cleaned using a triple-rinse method. The triple-rinse decontamination method consists of a three-bucket wash: rinsing with potable water, washing the equipment with a non-phosphate detergent solution, and another rinse with distilled water. All sample containers were labeled and preserved in an ice-filled cooler for delivery to a

fixed-base laboratory under chain-of-custody procedures in accordance with CLEAN II SOP 10 (BNI 1999).

3. LOCATION SURVEY

All sample locations were subsequently surveyed by a California-licensed land surveyor.

4. LABORATORY ANALYSIS

The collected samples were submitted under chain of custody (COC) to Applied Physics and Chemistry Laboratory (APCL) in Chino, California. The sample analyses consisted of the following three methods:

Organochlorine Pesticides. Samples were analyzed for organochlorine pesticides in general accordance with SW-846 Method 8081A by gas chromatography. The target analyte list was the same list used during the 1994 confirmatory sampling (JEG 1995). Samples were extracted in accordance with method requirements.

Chlorinated Acid Herbicides. Samples were analyzed for chlorinated acid herbicides in general accordance with SW-846 Method 8151A by gas chromatography. The target analyte list was the same list used during the 1994 confirmatory sampling. Samples were extracted in accordance with method requirements.

Organophosphorus Compounds. Samples were analyzed for organophosphorus compounds in general accordance with SW-846 Method 8141A by gas chromatography. The target analyte list was the same list used during the 1994 Confirmatory Sampling list. Samples were extracted in accordance with method requirements.

5. LABORATORY DATA VALIDATION

Laboratory data were validated by Laboratory Data Consultants of Carlsbad, California, in accordance with

- *Laboratory Data Validation Functional Guidelines for Evaluating Organics Analysis* (EPA 1999)

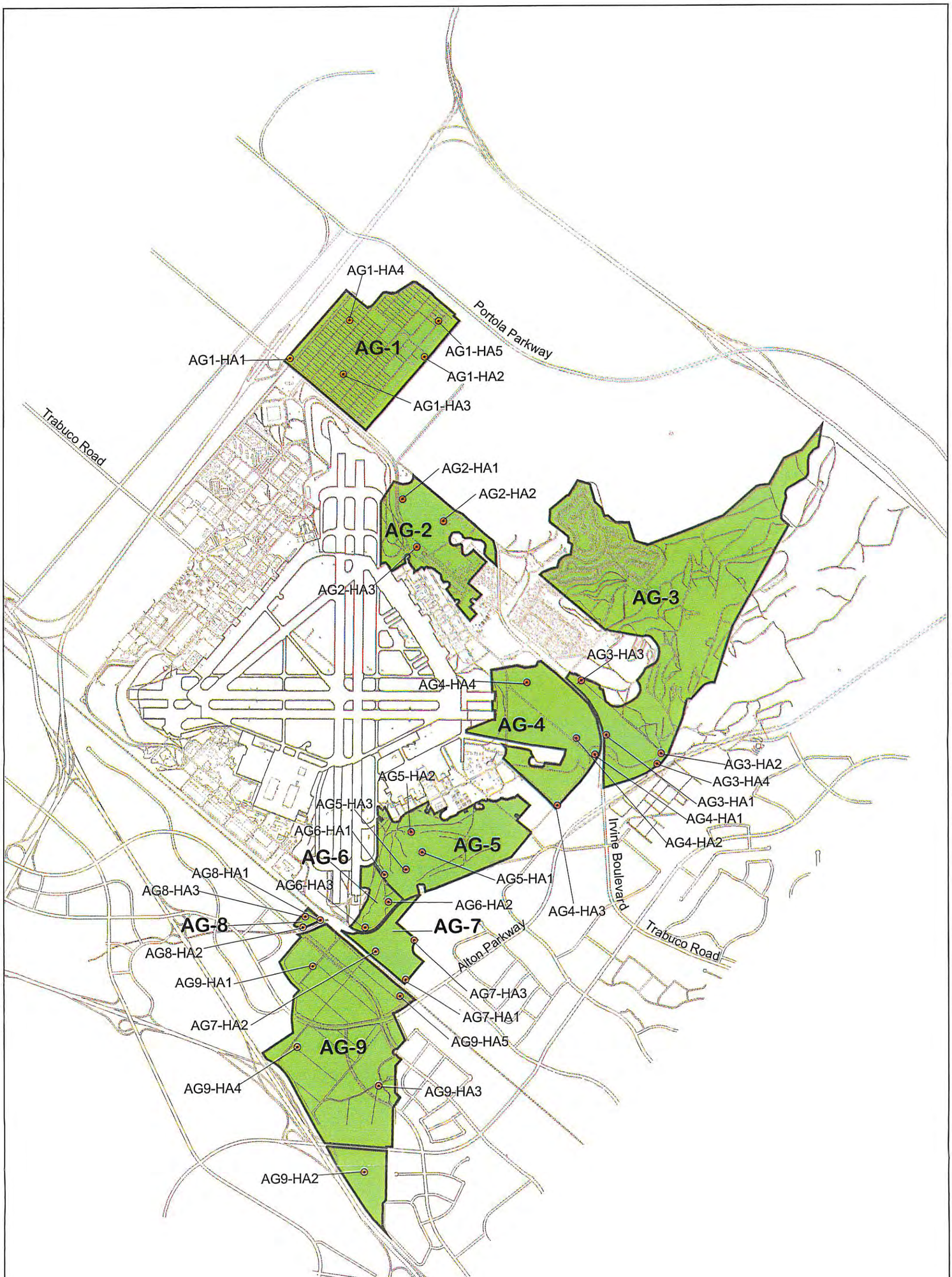
Laboratory data were validated as specified in the U.S. Navy Engineering Command, Southwest Division, Environmental Work Instruction EW#1. Level D validation was performed on 20 percent or more of the samples, with the balance validated at Level C.

The data validation findings are summarized, indicating the findings of the review process. Data are reported flagged with appropriate qualifiers to indicate their usability.

Data may be assigned the following qualifiers:

J	estimated concentration
U	not detected (including not present because of blank contamination)
R	rejected data (unusable)
N	Presumptive evidence of the presence of the analyte. Result is used as reported but may be qualified on other grounds.

Combinations of qualifiers such as UJ are possible.


AG1-HA4
AG1-HA1
AG1-HA5
AG1-HA2
AG1-HA3
AG-1
Portola Parkway
Trabuco Road
AG2-HA1
AG2-HA2
AG-2
AG2-HA3
AG-3
AG3-HA3
AG4-HA4
AG-4
AG3-HA2
AG3-HA4
AG3-HA1
AG4-HA1
AG4-HA2
AG5-HA2
AG5-HA3
AG-5
AG6-HA1
AG-6
AG5-HA1
AG8-HA1
AG6-HA3
AG8-HA3
AG6-HA2
AG4-HA3
AG-8
AG-7
Irvine Boulevard
Trabuco Road
Alton Parkway
AG8-HA2
AG9-HA1
AG7-HA3
AG7-HA1
AG7-HA2
AG9-HA5
AG-9
AG9-HA4
AG9-HA3
AG9-HA2
N
2500
0
2500 Feet
Features:
Soil Sampling Location
Agricultural Parcel
Roads
Buildings
Figure 1
MCAS El Toro
Agricultural Parcels
Former MCAS El Toro
California
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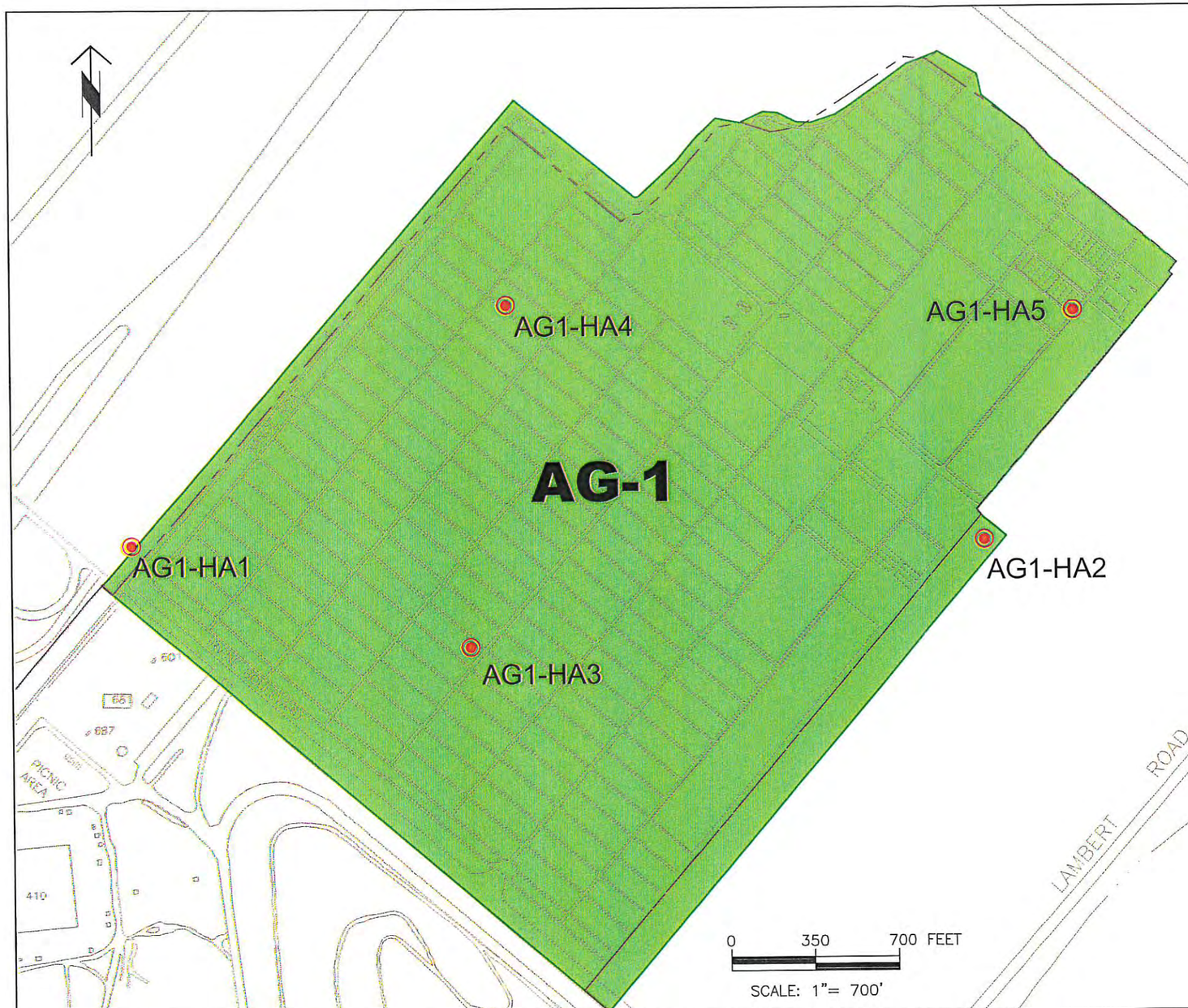
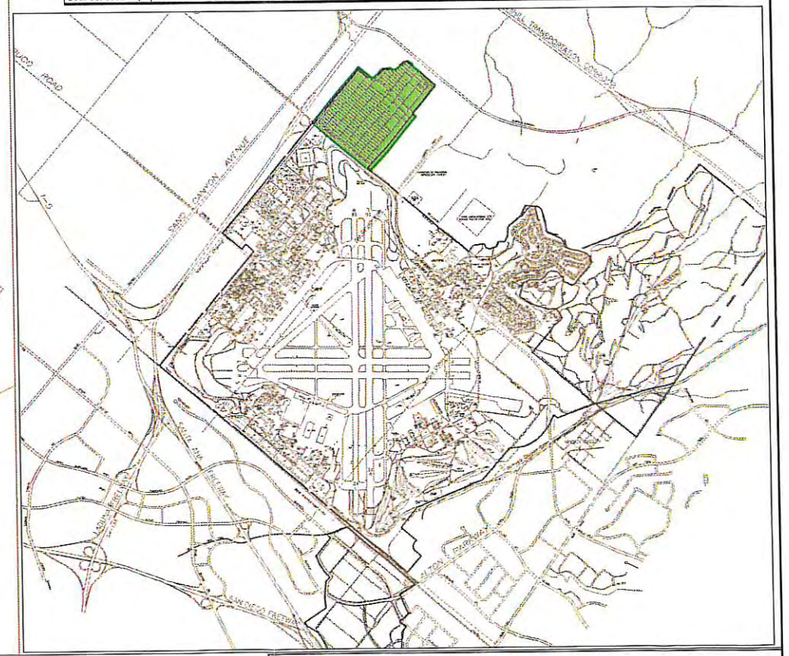


SUMMARY OF 1995 EBS CONFIRMATION SAMPLING PROGRAM FOR AGRICULTURAL ACTIVITIES

1995 EBS Parcel Number	Current Use	Boring Locations	Boring Location Information	Depth (feet)	Organochlorine Pesticides (ug/kg)	Organophosphorus Pesticides (ug/kg)	Chlorinated Herbicides (ug/kg)
CP-6	Bordier's Nursery Lease	B1	Drainage collection area near the SW corner of the parcel	0	4,4'-DDE - 14.3 4,4'-DDD - 4.45 (P) 4,4'-DDT - 6.54	ND	ND
				2	ND	ND	ND
		B2	Pesticide storage area	0	4,4'-DDE-64.4 (D) 4,4'-DDT - 21.9	ND	ND
				2	ND	ND	ND
		B3	Near the southernmost corner of the parcel	0	4,4'-DDE-621(D) 4,4'-DDT-3,360(D) 4,4'-DDD-48 (DP)	ND	ND
				2	4,4'-DDT-4.52	ND	ND
				4	4,4'DDE - 10.4	-	-
		B4	Near the northwesternmost corner of the parcel	0	4,4'-DD -1,030(D) 4,4'-DDD - 11.4 (P) 4,4'-DD -1,110 (D)	ND	ND
				2	ND	ND	ND
		B5	Near the easternmost corner of the parcel	0	4,4'-DDE - 4.39	ND	ND
				2	ND	ND	ND

NOTES:
ND - the analyte was not detected above the estimated quantitation limit
D - the quantitative value is from a diluted analysis
J - the quantitative value is estimated. For target compounds, the analyte is detected below the estimated quantitation limit, but above the instrument detection limit
P - the quantitative value from the two analytical columns differs by greater that 25%
Source: Jacobs, April 1995. MCAS El Toro Installation Restoration Program, Final Environmental Baseline Survey Report



The locations and results of the 1994 confirmation sampling program for pesticides and herbicides (1995 EBS) are shown here. Based on discussions of the sampling results and associated risk screening, the BCT agreed that the levels of pesticides and herbicides did not warrant further investigation and concurred with the properties designation as uncontaminated.
The Navy, as part of the 2002 EBS, proposes to collect samples using a hand auger at the same locations at depths of 0, 2, and 4 feet bgs to confirm these results; the 4 foot sample will be analyzed only if analytes in the shallower samples exceed the residential PRGs. Proposed sample locations are identified as HA1, etc., with the former sample/location designation shown in parenthesis.
*B1: Sample location has been moved approximately 10 feet directly north of the 1994 sampling location, since the original sampling location has been built up with gravel.
*B3: Sample location has been moved directly northwest of the 1994 sampling location, since the original sampling location is now located within the constructed reservoir.

LEGEND

- Parcel Boundary
- Soil Sample

Summary Report, Confirmation Sampling

Sampling Locations Parcel AG-1 (Bordier's Nursery) Former MCAS El Toro California

Environmental Baseline Survey

Date: 04-03	Former MCAS El Toro	Figure 2
Project No. 54506	EARTH TECH A tyco INTERNATIONAL LTD. COMPANY	

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SUMMARY OF 1995 EBS CONFIRMATION SAMPLING PROGRAM FOR AGRICULTURAL ACTIVITIES

1995 EBS Parcel Number	Current Use	Boring Locations	Boring Location Information	Depth (feet)	Organochlorine Pesticides (ug/kg)	Organophosphorus Pesticides (ug/kg)	Chlorinated Herbicides (ug/kg)
CP-7	Horse Stables Lease	B1	Within drainage ditch that bisects the pasture area	0	4,4'-DDE-7.96	ND	ND
				2	ND	ND	ND
		B2	Within corral area	0	4,4'-DDE - 5.12	ND	ND
				2	ND	ND	ND
		B3	Unpaved area north of Bldg. 290	0	4,4'-DDE - 114 (D) 4,4'-DDT - 4.04	ND	ND
				2	4,4'-DDE-62.7(D) 4,4' - DDT - 4.14	ND	ND

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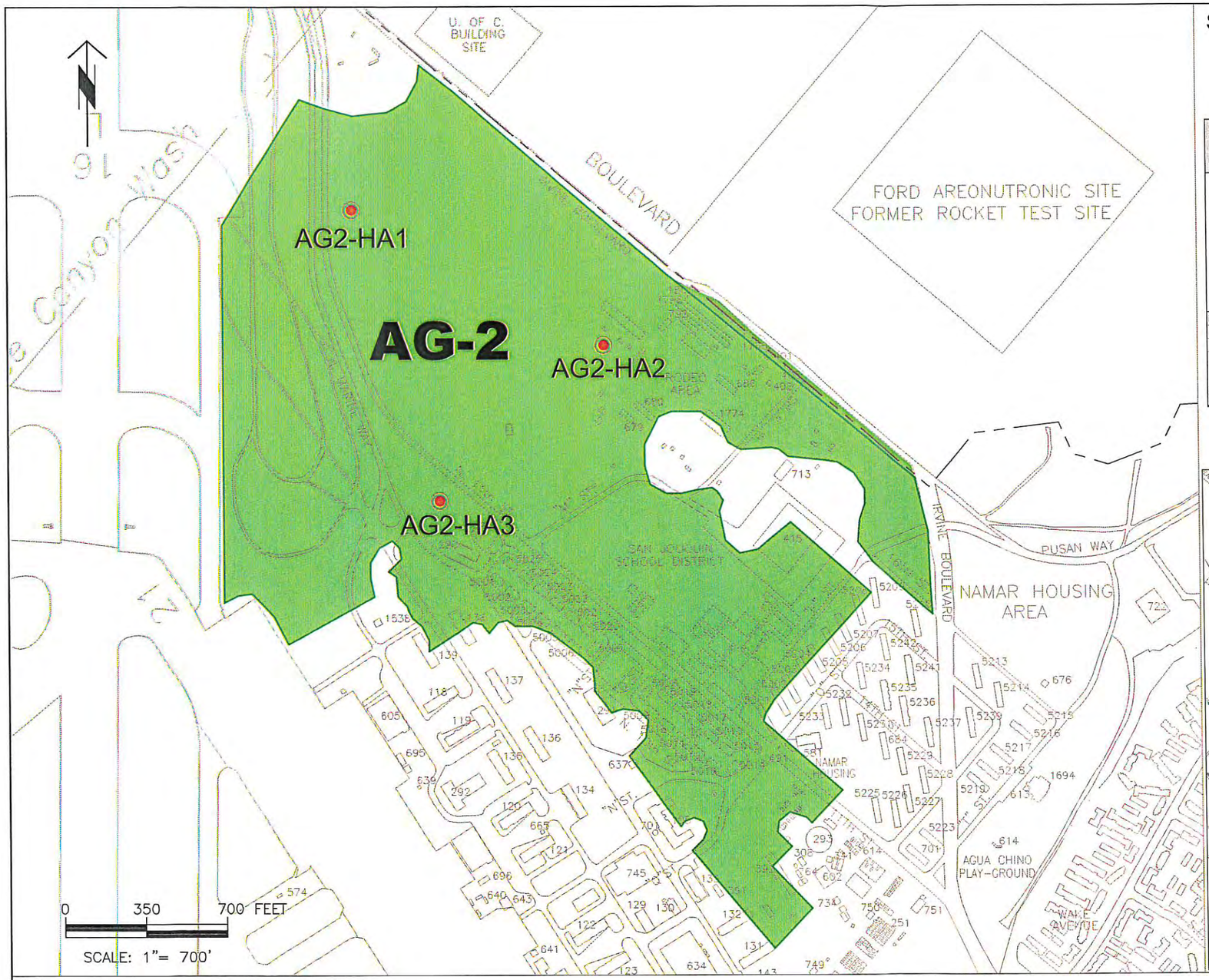
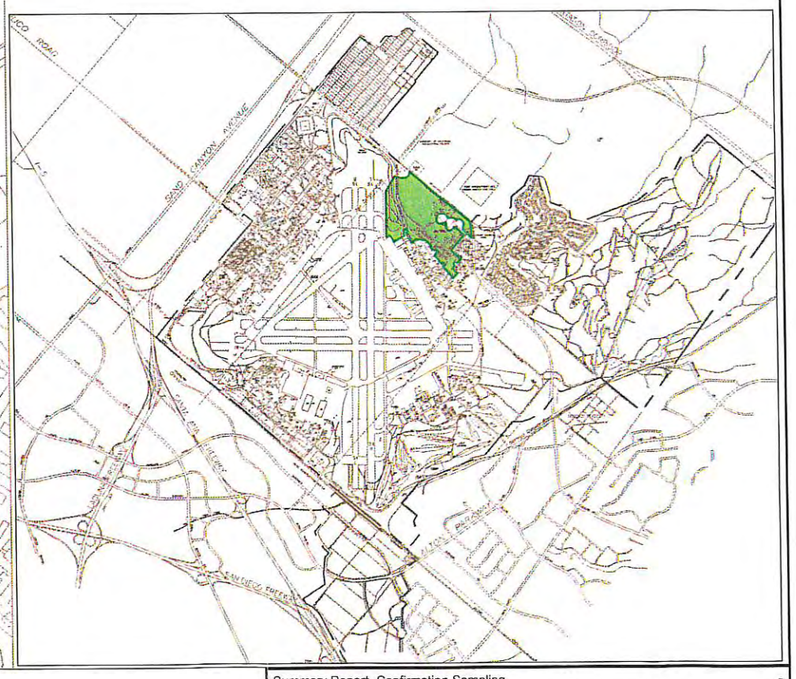
P - the quantitative value from the two analytical columns differs by greater that 25%
Source: Jacobs, April 1995. MCAS El Toro Installation Restoration Program, Final Environmental Baseline Survey Report





Notes:

The locations and results of the confirmation sampling program for pesticides and herbicides (1995 EBS) are shown here. Based on discussions of the sampling results and associated risk screening, the BCT agreed that the levels of pesticides and herbicides did not warrant further investigation and concurred with the properties designation as uncontaminated.

The Navy, as part of the 2002 EBS, proposes to collect samples using a hand auger at the same locations at depths of 0, 2, and 4 feet bgs to confirm these results; the 4 foot sample will be analyzed if analytes in the shallower samples exceed the residential PRGs. Proposed sample locations are identified as HA1, etc., with the former sample/location designation shown in parenthesis.

LEGEND

- Parcel Boundary
- Soil Sample

Summary Report, Confirmation Sampling

Sampling Locations Parcel AG-2
(Horse Stables Area)
Foprmer MCAS El Toro California
Environmental Baseline Survey

Date: 04-03	Former MCAS El Toro	Figure 3
Project No. 54506	EARTH TECH A tyco INTERNATIONAL LTD. COMPANY	

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SUMMARY OF 1995 EBS CONFIRMATION SAMPLING PROGRAM FOR AGRICULTURAL ACTIVITIES

1995 EBS Parcel Number	Current Use	Boring Locations	Boring Location Information	Depth (feet)	Organochlorine Pesticides (ug/kg)	Organophosphorus Pesticides (ug/kg)	Chlorinated Herbicides (ug/kg)
CP-10	Agricultural (Elite Distribution Company Lease)	B1	SW fenceline where surface drainage flows into drainage ditch adjacent to Irvine Blvd.	0	alpha-chlordane - 18.4 gamma-chlordane - 18.8 (P) 4,4'-DDT - 5.47	ND	ND
				2	ND	ND	ND
		B2	Pesticide handling area adjacent to Magazine Rd. and the NE boundary of the orange grove	0	ND	ND	ND
				2	ND	ND	ND
		B3	Western-most corner to the orange grove in a low lying area	0	alpha-chlordane - 2.57 gamma-chlordane-2.82 (P)	ND	ND
				2	ND	ND	ND
		B4	Low lying area approximately 300 ft. SE of the pesticide loading area	0	alpha-chlordane - 14.3 gamma-chlordane - 18.3 4,4'-DDT - 3.65 (P)	ND	ND
				2	alpha-chlordane - 3.92 gamma-chlordane-5.58 (P)	ND	ND
CP-12	Agricultural (Elite Distribution Company Lease)	B1	Pesticide handling area near the corner of Magazine Rd. and Perimeter Rd	0	4,4'-DDT - 4.14 (P)	ND	ND
				2	ND	ND	ND
		B2	Drainage ditch located downgradient of orange groves and NE of Perimeter Rd.	0	alpha-chlordane - 1.89 gamma-chlordane - 2.52	ND	ND
				2	ND	ND	ND
		B3	Drainage collection area located downgradient corner of southern agricultural field near Gate 3	0	dieldrin - 4.16 (D) 4,4'-DDT - 12.8 alpa-chlordane - 18.1 gamma-chlordane-16.4(P)	ND	ND
				2	ND	ND	ND
		B4	Drainage collection area located between the two northern strawberry fields	0	ND	ND	ND
				2	ND	ND	ND

NOTES:
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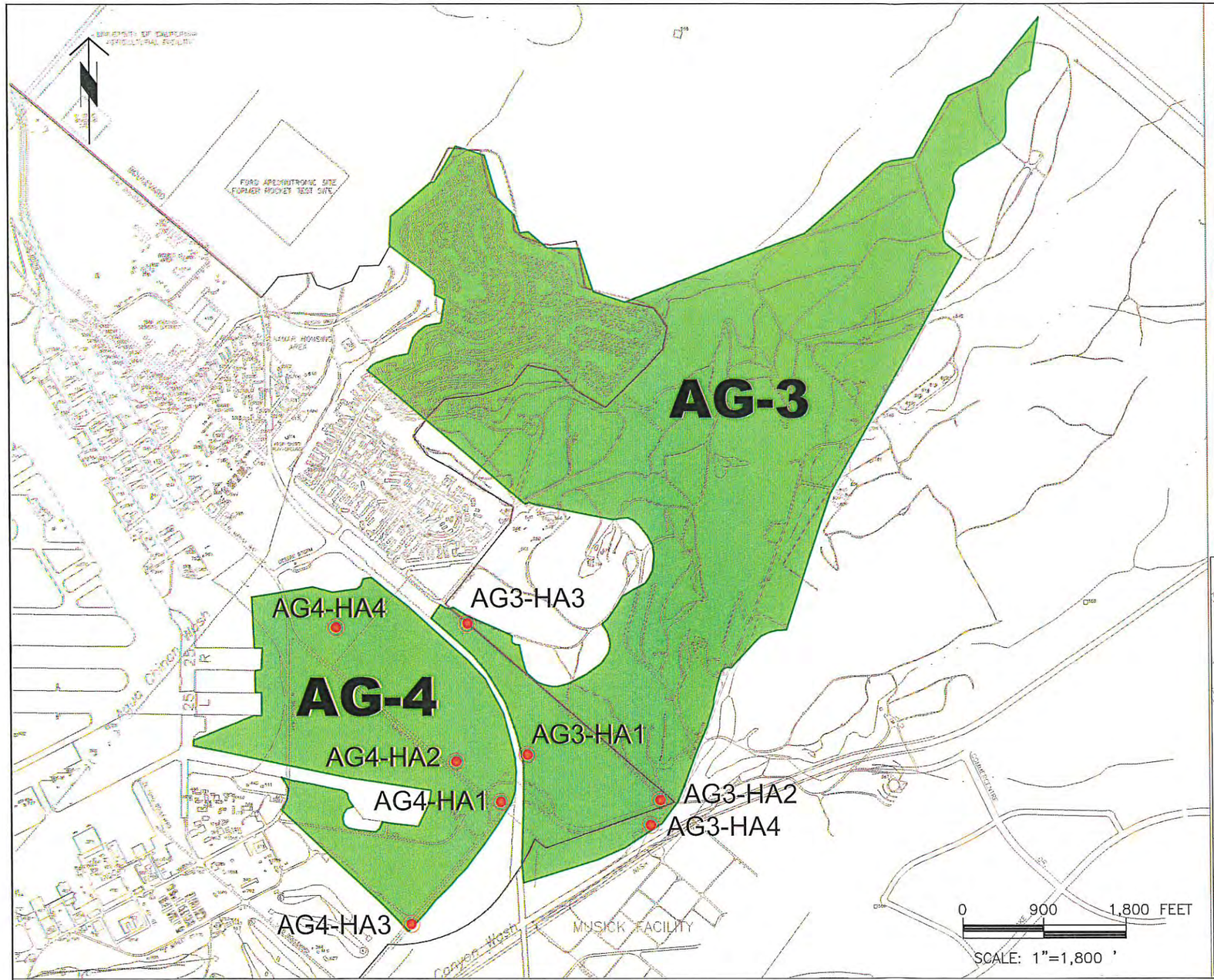
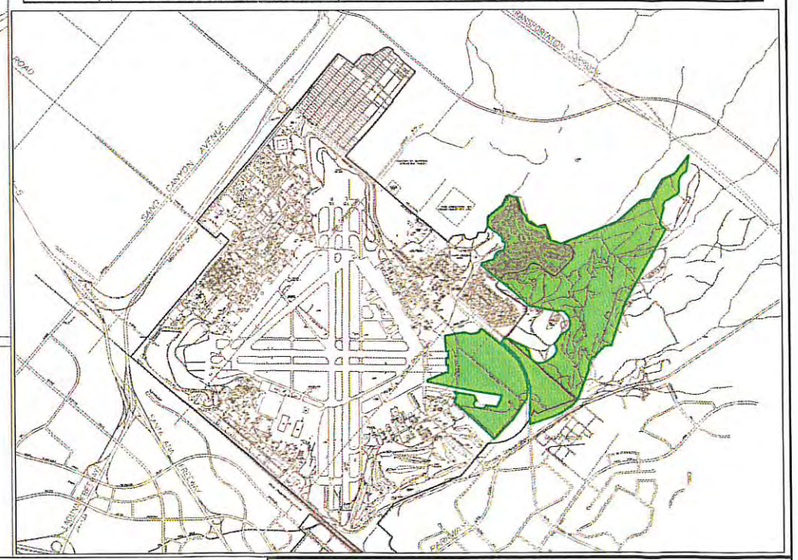
P - the quantitative value from the two analytical columns differs by greater that 25%
Source: Jacobs, April 1995. MCAS El Toro Installation Restoration Program, Final Environmental Baseline Survey Report





Notes:

The locations and results of the 1994 confirmation sampling program for pesticides and herbicides (1995 EBS) are shown here. Based on discussions of the sampling results and associated risk screening, the BCT agreed that the levels of pesticides and herbicides did not warrant further investigation and concurred with the properties designation as uncontaminated.

The Navy, as part of the 2002 EBS, proposes to collect samples using a hand auger at the same locations at depths of 0, 2, and 4 feet bgs to confirm these results; the 4 foot sample will be analyzed only if analytes in the shallower samples exceed the residential PRGs. Proposed sample locations are identified as HA1, etc., with the former sample/location designation shown in parenthesis.

LEGEND

- Parcel Boundary
- Soil Sample

Summary Report, Confirmation Sampling

Sampling Locations Parcels AG-3 and AG-4
(elite Distribution Company)
Former MCAS El Toro California
Environmental Baseline Survey

Date: 04-03	Former MCAS El Toro	Figure
Project No. 54506	EARTH TECH A tyco INTERNATIONAL LTD. COMPANY	4

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SUMMARY OF 1995 EBS CONFIRMATION SAMPLING PROGRAM FOR AGRICULTURAL ACTIVITIES

1995 EBS Parcel Number	Current Use	Boring Locations	Boring Location Information	Depth (feet)	Organochlorine Pesticides (ug/kg)	Organophosphorus Pesticides (ug/kg)	Chlorinated Herbicides (ug/kg)
CP-13	Station Golf Course (Orange County Lease)	B1	Low-lying area that bisects the fairway for Hole #8	0	4,4'-DDE - 5.98	ND	ND
				2	ND	ND	MCPP - 61,000
		B2	Within sand trap located adjacent to the putting green for Hole #15	0	ND	ND	ND
				2	ND	ND	ND
		B3	Low-lying area located within the fairway for hole #18	0	4,4'-DDE - 64.7 (D) 4,4' - DDT-78.0 (D)	ND	ND
				2	ND	ND	ND

NOTES:
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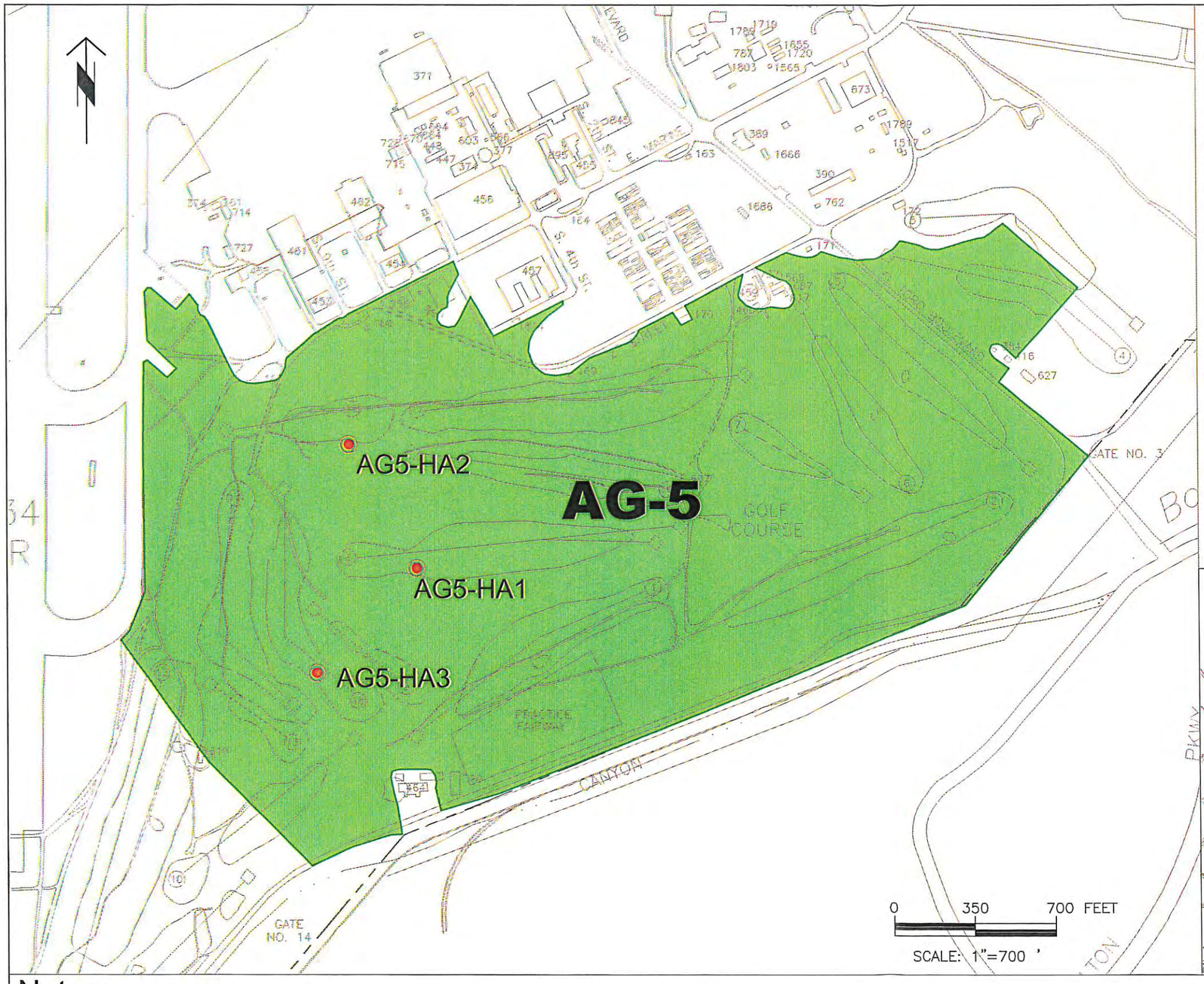
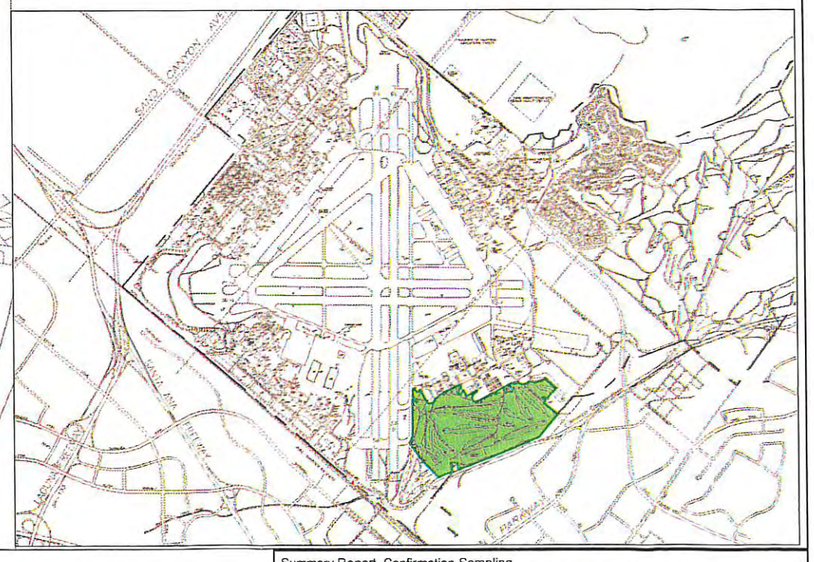
D - the quantitative value is from a diluted analysis
J - the quantitative value is estimated. For target compounds, the analyte is detected below the estimated quantitation limit, but above the instrument detection limt
P - the quantitative value from the two analytical columns differs by greater that 25%
Source: Jacobs, April 1995. MCAS El Toro Installation Restoration Program, Final Environmental Baseline Survey Report





Notes:

The locations and results of the confirmation sampling program for pesticides and herbicides (1995 EBS) are shown here. Based on discussions of the sampling results and associated risk screening, the BCT agreed that the levels of pesticides and herbicides did not warrant further investigation and concurred with the properties designation as uncontaminated.
The Navy, as part of the 2002 EBS, proposes to collect samples using a hand auger at the same locations at depths of 0, 2, and 4 feet bgs to confirm these results; the 4 foot sample will be analyzed only if analytes in the shallower samples exceed the residential PRGs. Proposed sample locations are identified as HA1, etc., with the former sample/location designation shown in parenthesis.

LEGEND
Parcel Boundary
Soil Sample

Summary Report, Confirmation Sampling
Sampling Locations Parcel AG-5
(Station Golf Course)
Former MCAS El Toro California
Environmental Baseline Survey

Date: 04-03	Former MCAS El Toro	Figure 5
Project No. 54506	EARTH TECH A tyco INTERNATIONAL LTD. COMPANY	

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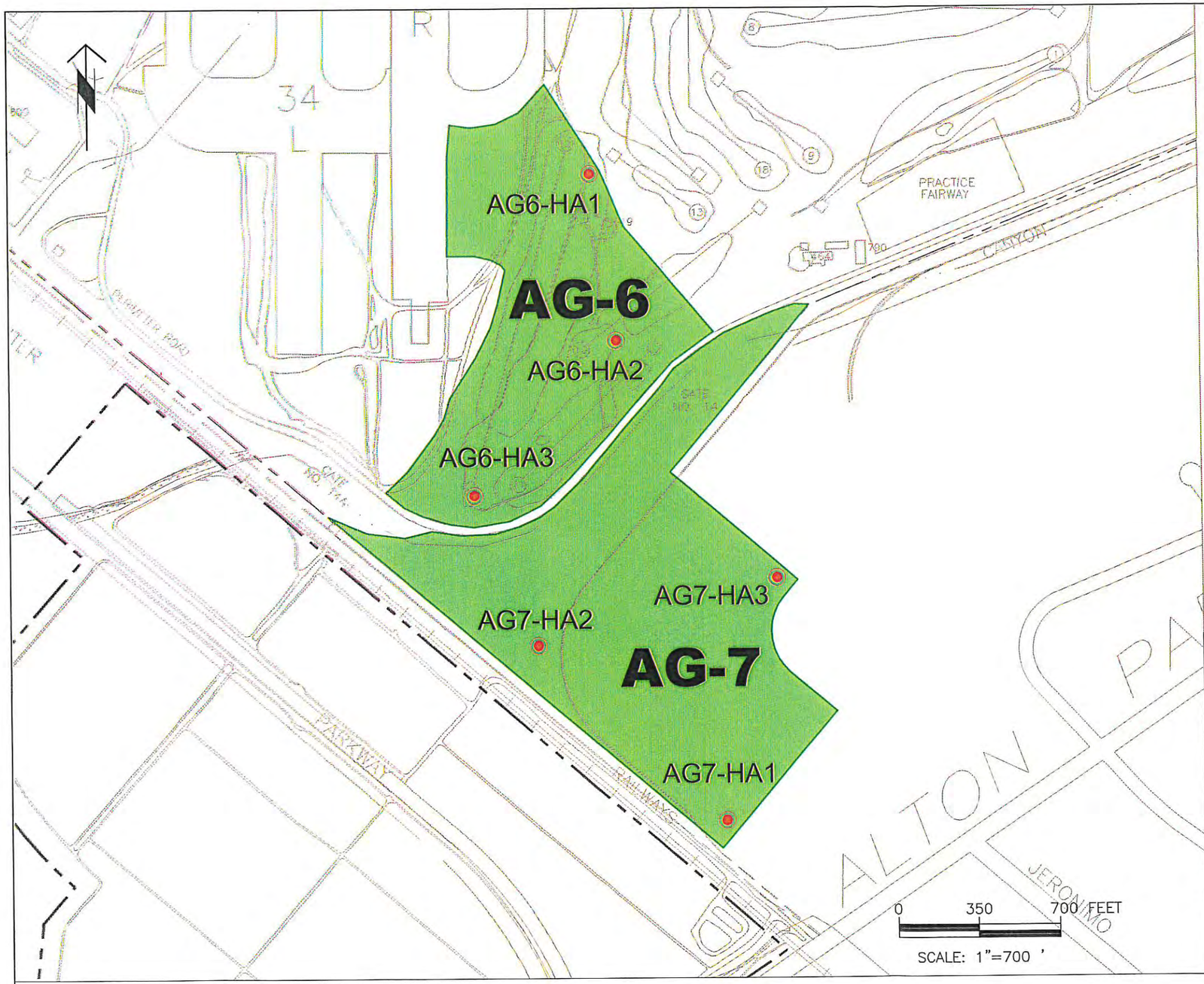
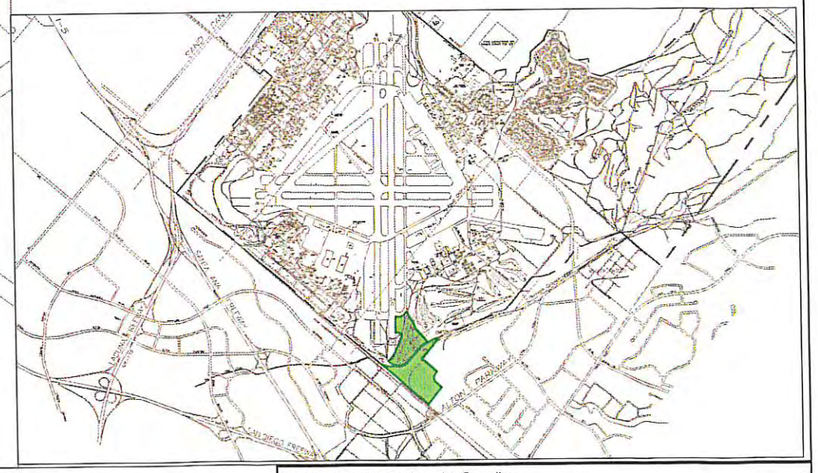


SUMMARY OF 1995 EBS CONFIRMATION SAMPLING PROGRAM FOR AGRICULTURAL ACTIVITIES

1995 EBS Parcel Number	Current Use	Boring Locations	Boring Location Information	Depth (feet)	Organochlorine Pesticides (ug/kg)	Organophosphorus Pesticides (ug/kg)	Chlorinated Herbicides (ug/kg)
CP-14	Station Golf Course (Orange County Lease)	B1	Within sand trap located adjacent to the putting green for Hole #12	0	ND	ND	ND
				2	ND	ND	ND
		B2	Low-lying area that bisects the fairway for the hole#10	0	ND	ND	ND
				2	ND	ND	ND
		B3	Low-lying area located between the 11th hole putting green and the 12th hole tee box	0	ND	ND	ND
				2	ND	ND	ND
CP-15	Agricultural (Magarro Farms Lease)	B1	Low-lying area near the SE corner of the parcel	1	4,4'-DDE - 16.8 4,4'-DDT - 9.38	ND	ND
				4	4,4'-DDE - 4.48 4,4'-DDT - 3.97 (P)	ND	MCPP - 57,400
		B2	Low-lying area located near the SW corner of the parcel	1	4,4'-DDE - 71.7 (D) 4,4'-DDD - 15.8 (P) 4,4'-DDT 58.3 endosulfan sulfate-7.11 (P) alpha-chlordane - 3.14 gamma-chlordane - 2.37	ND	MCPP - 92,200
				4	ND	ND	ND
		B3	Within agricultural field located near the eastern-most corner of the parcel	1	ND	ND	ND
				4	ND	ND	ND

NOTES:
ND - the analyte was not detected above the estimated quantitation limit
D - the quantitative value is from a diluted analysis
J - the quantitative value is estimated. For target compounds, the analyte is detected below the estimated quantitation limit, but above the instrument detection limit
P - the quantitative value from the two analytical columns differs by greater that 25%
Source: Jacobs, April 1995, MCAS El Toro Installation Restoration Program, Final Environmental Baseline Survey Report



Notes:

The locations and results of the confirmation sampling program for pesticides and herbicides (1995 EBS) are shown here. Based on discussions of the sampling results and associated risk screening, the BCT agreed that the levels of pesticides and herbicides did not warrant further investigation and concurred with the properties designation as uncontaminated.

The Navy, as part of the 2002 EBS, proposes to collect samples using a hand auger at the same locations at depths of 0, 2, and 4 feet bgs to confirm these results. Where tilling activities have recently occured, samples will be collected at 1 and 4 feet bgs. The 4 foot sample will be analyzed only if analytes in the shallower sample exceed the residential PRGs. Proposed sampling locations are identified as HA1, etc., with the former sample/location designation shown in parenthesis.

LEGEND

- Parcel Boundary
- Soil Sample

Summary Report, Confirmation Sampling

Sampling Locations Parcels AG-6 and AG-7
(Station Golf Course and Magarro Farms)
Former El Toro California
Environmental Baseline Survey

Date: 04-03	Former MCAS El Toro	Figure
Project No. 54506	EARTH TECH A tyco INTERNATIONAL LTD. COMPANY	6

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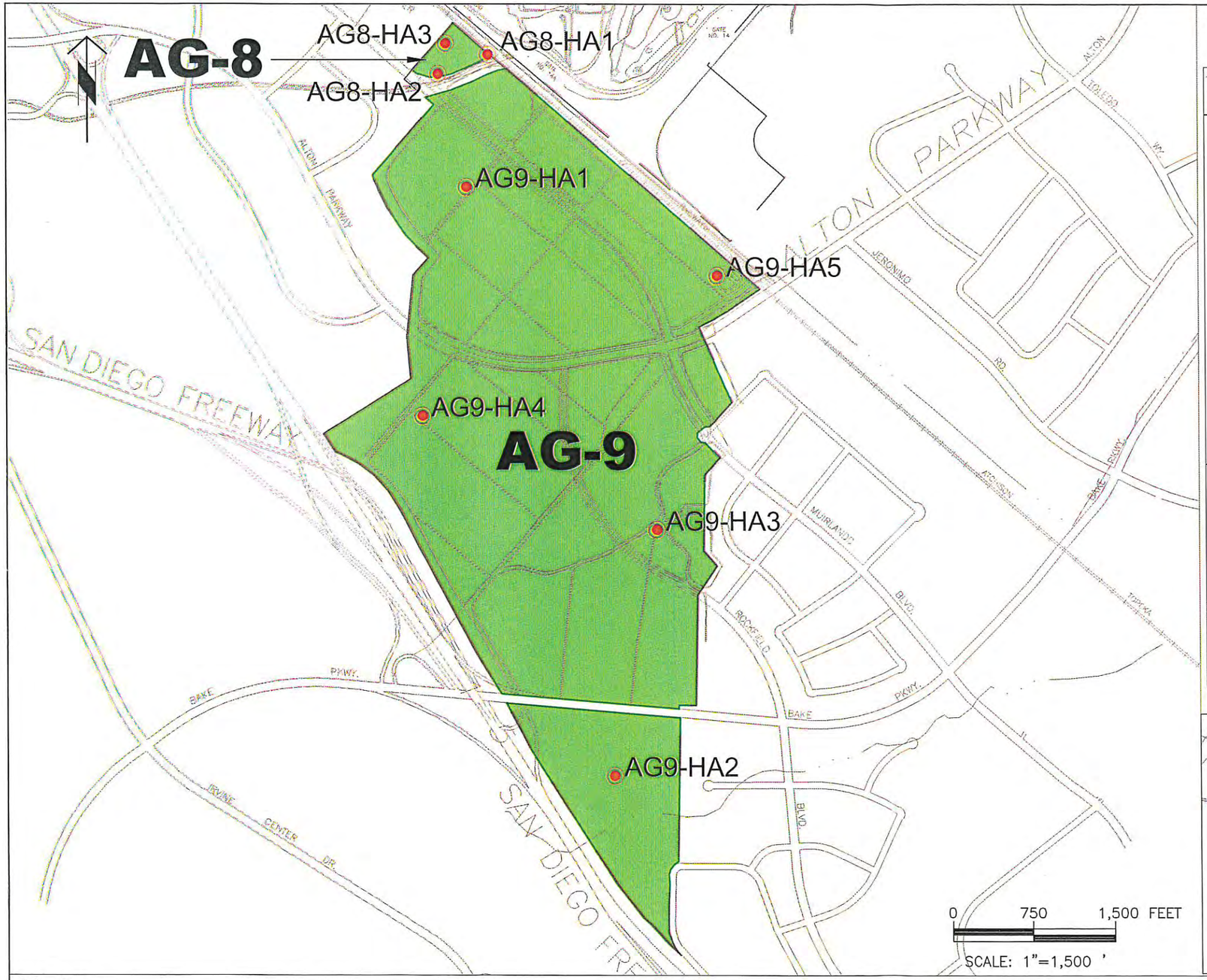
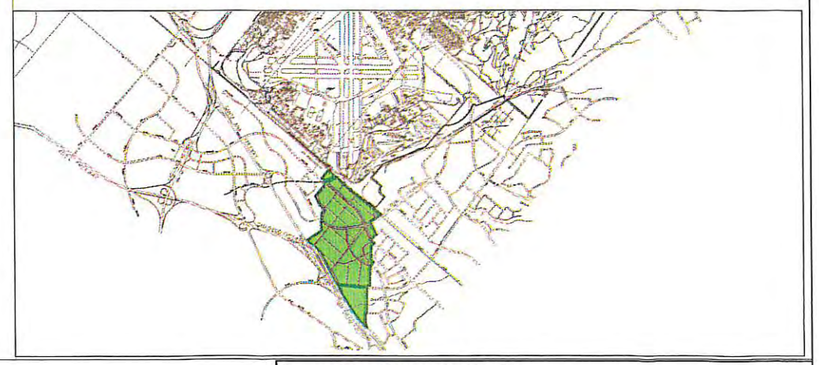


SUMMARY OF 1995 EBS CONFIRMATION SAMPLING PROGRAM FOR AGRICULTURAL ACTIVITIES

1995 EBS Parcel Number	Current Use	Boring Locations	Boring Location Information	Depth (feet)	Organochlorine Pesticides (ug/kg)	Organophosphorus Pesticides (ug/kg)	Chlorinated Herbicides (ug/kg)
CP-16	Agricultural (Magarro Farms Lease)	B1	Within agricultural field located near the northern most corner of the parcel	1	4,4'-DDE - 109(D) 4,4'-DDD - 5.92 (P) 4,4'-DDT - 49.0	ND	ND
				4	ND	ND	ND
		B2	Within agricultural field located near the southern most corner of the parcel	1	ND	ND	ND
				4	ND	ND	ND
		B3	Within agricultural field located near the eastern boundary of the parcel	1	ND	ND	ND
				4	ND	ND	ND
		B4	Within agricultural field located near the western most corner of the parcel	1	ND	ND	ND
				4	ND	ND	ND
		B5	Pesticide storage area	0	4,4'-DDE - 167 (D) 4,4'-DDD - 25.0 (P) 4,4'-DDT - 286 (D) endosulfan II - 32.3 (P) endosulfan sulfate - 28.5(P) methoxychlor - 18.7 (P) endrin aldehyde - 10.4 (P) alpha-chlordane - 6.55 gamma-chlordane - 6.19	ND	ND
				2	ND	ND	ND
CP-17	Agricultural (Magarro Farms Lease)	B1	Low-lying area near the southern most corner of the parcel	1	4,4'-DDE - 5.69 4,4'-DDT - 5.95	ND	ND
				4	ND	chlorpyrifos - 54.9(J)	ND
		B2	Low-lying area near western boundary of the parcel	1	ND	ND	ND
				4	ND	ND	ND
		B3	Within agricultural field near the northeaster most corner of the parcel	1	ND	ND	ND
				4	ND	ND	ND

NOTES:
ND - the analyte was not detected above the estimated quantitation limit
D - the quantitative value is from a diluted analysis
J - the quantitative value is estimated. For target compounds, the analyte is detected below the estimated quantitation limit, but above the instrument detection limit
P - the quantitative value from the two analytical columns differs by greater that 25%
Source: Jacobs, April 1996, MCAS El Toro Installation Restoration Program, Final Environmental Baseline Survey Report



Notes:

The locations and results of the confirmation sampling program for pesticides and herbicides (1995 EBS) are shown here. Based on discussions of the sampling results and associated risk screening, the BCT agreed that the levels of pesticides and herbicides did not warrant further investigation and concurred with the properties designation as uncontaminated.

The Navy, as part of the 2002 EBS, proposes to collect samples using a hand auger at depths of 0, 2, and 4 feet bgs to confirm these results. Where tilling activities have recently occured, samples will be collected at 1 and 4 feet bgs. The 4 foot samples will be analyzed only if analytes in the shallower samples exceed the residential PRGs. Proposed sampling locations are identified as HA1, etc., with the former sample/location designation shown in parenthesis.

LEGEND

Parcel Boundary

Soil Sample

Summary Report, Confirmation Sampling

Sampling Locations Parcels AG-8 and AG-9 (Mabarro Farms)

Former MCAS El Toro California

Environmental Baseline Survey

Date: 04-03	Former MCAS El Toro	Figure
Project No. 54506	EARTH TECH A tyco INTERNATIONAL LTD. COMPANY	7

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Some individual results were reported twice (because of method-required dilutions or duplication between methods). The results were evaluated and the highest concentration (or lowest detection limit) was used.

The data were found usable for the purposes intended except as discussed below:

- Results from sample LJ069, collected from Parcel AG-2 were reported with out of compliance quality control measurements (poor surrogate recoveries) and the values for analytes not detected were rejected and not usable. A field duplicate had been collected from that location and therefore, no additional corrective action was required.

Except as qualified, the data collected met the objectives of the project.

6. SUMMARY OF ANALYTICAL RESULTS

Analytical results for all soil samples collected at parcels AG-1, AG-2, AG-3, AG-4, AG-5, AG-6, AG-7, AG-8, and AG-9 are presented in Attachment 1. Tables 6-1 through 6-9 present a summary of detected analytes. The following subsections present a discussion of the results.

6.1 PARCEL AG-1

Fourteen samples were collected from 5 locations at parcel AG-1. 4,4'-DDD was detected above its PRG of 2,440 micrograms per kilogram (µg/kg) in one sample at a concentration of 4,500 µg/kg (duplicate was reported at 3,200 µg/kg). It was detected in nine additional samples at concentrations below the PRG. 4,4'-DDE was detected in eleven samples, with a maximum concentration of 1,200 µg/kg, which is below the PRG of 1,720 µg/kg. 4,4'-DDT was detected above the residential PRG of 1,720 µg/kg in one sample, at a concentration of 9,850 µg/kg (duplicate was reported at 7,370 µg/kg). It was detected in nine additional samples at concentrations below the residential PRG. Alpha-chlordane wad detected in five samples, with a maximum concentration of 390 µg/kg, which is below the residential PRG of 1,620 µg/kg. Dieldrin was detected in one sample, at a concentration of 2 µg/kg, which is below the residential PRG of 30.4 ug/kg. Gamma-chlordane was detected in five samples, with a maximum concentration of 1,300 µg/kg, which is below the residential PRG of 1,620 µg/kg. Heptachlor was detected above its residential PRG of 108 µg/kg in one sample at a concentration of 360 µg/kg (duplicate was reported at 250 µg/kg). It was detected in two additional samples at concentrations below the residential PRG. 2,4-DB was detected in one sample at a concentration of 75 µg/kg (duplicate was reported at 130 µg/kg), which is below the residential PRG of 489,000 µg/kg. Chlorpyrifos was detected in one sample, at a concentration of 900 µg/kg, which is below the PRG of 183,000 µg/kg.

6.2 PARCEL AG-2

Eight samples were collected from three locations at parcel AG-2. One sample had eighteen of twenty-one pesticides analytes rejected due to laboratory issues. However, since that sample had a field duplicate sample collected, and the results of the duplicate sample were useable, the rejected analytes did not effect the evaluation of the site.

4,4'-DDD was detected in three samples, with a maximum concentration of 3 µg/kg. 4,4'-DDE was detected in five samples, with a maximum concentration of 7.9 µg/kg. 4,4'-DDT was detected in four samples, with a maximum concentration of 2 µg/kg. Alpha-chlordane was detected in one sample, at a concentration of 0.6 µg/kg. Gamma-chlordane was detected in one sample, at a concentration of 1 µg/kg. Heptachlor was detected in one sample, at a concentration of 0.06 µg/kg. All detected analytes had concentrations below their respective residential PRG.

6.3 PARCEL AG-3

Eleven samples were collected from four locations at parcel AG-3. 4,4'-DDD was detected in five samples, with a maximum concentration of 6 µg/kg. 4,4'-DDE was detected in six samples, with a maximum concentration of 42 µg/kg. 4,4'-DDT was detected in six samples, with a maximum concentration of 14 µg/kg. Alpha-chlordane was detected in six samples, with a maximum concentration of 51 µg/kg. Dieldrin was detected in three samples, with a maximum concentration of 2 µg/kg. Gamma-chlordane was detected in seven samples, with a maximum concentration of 52 µg/kg. Heptachlor epoxide was detected in one sample, at a concentration of 1 µg/kg. All detected analytes had concentrations below their respective residential PRG.

6.4 PARCEL AG-4

Eleven samples were collected from four locations at parcel AG-4. 4,4'-DDD was detected in six samples, with a maximum concentration of 23 µg/kg. 4,4'-DDE was detected in six samples, with a maximum concentration of 72 µg/kg. 4,4'-DDT was detected in six samples, with a maximum concentration of 43 µg/kg. Alpha-chlordane was detected in three samples, with a maximum concentration of 3.7 µg/kg. Gamma-chlordane was detected in four samples, with a maximum concentration of 2 µg/kg. All detected analytes had concentrations below their respective residential PRG.

6.5 PARCEL AG-5

Nine samples were collected from three locations at parcel AG-5. 4,4'-DDD was detected in one sample, at a concentration of 3 µg/kg. 4,4'-DDE was detected in four samples, with a maximum concentration of 8 µg/kg. 4,4'-DDT was detected in three samples, with a maximum concentration of 6 µg/kg. Dieldrin was detected in one sample, at a concentration of 0.4 µg/kg. Methoxychlor was detected in one sample, at a concentration of 1 µg/kg. All detected analytes had concentrations below their respective residential PRG.

6.6 PARCEL AG-6

Nine samples were collected from three locations at parcel AG-6, including one duplicate. 4,4'-DDD was detected in three samples, with a maximum concentration of 4 µg/kg. 4,4'-DDE was detected in seven samples, with a maximum concentration of 54 µg/kg. 4,4'-DDT was detected in two samples, with a maximum concentration of 0.9 µg/kg. Alpha-chlordane was detected in two samples, with a maximum concentration of 4.8 µg/kg. Endrin Aldehyde was detected in one sample, at a concentration of 0.7 µg/kg. Gamma-chlordane was detected in two samples, with a maximum concentration of 3.7 µg/kg. Methyxychlor was detected in one sample at a concentration of 2 µg/kg. All detected analytes had concentrations below their respective residential PRG.

6.7 PARCEL AG-7

Six samples were collected from three locations at parcel AG-7. 4,4'-DDD was detected in three samples, with a maximum concentration of 56 µg/kg. 4,4'-DDE was detected in all six samples, with a maximum concentration of 192 µg/kg. 4,4'-DDT was detected in five samples, with a maximum concentration of 137 µg/kg. Alpha-chlordane was detected in three samples, with a maximum concentration of 8.5 µg/kg. Dieldrin was detected in three samples, with a maximum concentration of 6 µg/kg. Endosulfan sulfate was detected in two samples, with a maximum concentration of 15 µg/kg. Endrin aldehyde was detected in two samples, with a maximum concentration of 9 µg/kg. Gamma-chlordane was detected in three samples, with a maximum concentration of 4.9 µg/kg. Heptachlor epoxide was detected in one sample, at a concentration of 2 µg/kg. All detected analytes had concentrations below their respective residential PRG.

Table 6-1: Detected Analytes, Parcel AG-1

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG1-HA1 0 feet bgs LJ054	AG1-HA1 2 feet bgs LJ055	AG1-HA1 4 feet bgs LJ056	AG1-HA2 0 feet bgs LJ059	AG1-HA2 0 feet bgs (dup) LJ060	AG1-HA2 2 feet bgs LJ061	AG1-HA2 4 feet bgs LJ062	AG1-HA3 0 feet bgs LJ057	AG1-HA3 2 feet bgs LJ058	AG1-HA4 0 feet bgs LJ066	AG1-HA4 2 feet bgs LJ067	AG1-HA4 4 feet bgs LJ068	AG1-HA5 0 feet bgs LJ063	AG1-HA5 2 feet bgs LJ064	AG1-HA5 4 feet bgs LJ065
Organochloride Pesticides																				
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	6	3.6 U	3.6 U	4,500 N	3,200	5	69 N	13	6.9 N	95	3 J	3 J	5	3.5 U	3.3 U
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	27	3.6 U	3.6 U	1,200	990	2 N	29	23	15	274	3 J	1 J	3 J	3.5 U	0.2 J
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	21	3.6 U	3.6 U	9,850	7,370	7.1	179	36	12	101	0.7 J	0.5 J	3 J	3.5 U	3.3 U
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	3.2	1.2 U	1.2 U	390	290	0.8 J	6.3	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	0.6 J	1.2 U	1.1 U
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	3.2 U	3.6 U	3.6 U	320 U	350 U	3.3 U	3.2 U	3.3 U	2 J	3.5 U	3.4 U	3.5 U	3.6 U	3.5 U	3.3 U
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	2	1.2 U	1.2 U	1300	760	2.8	31	0.6 J	1.1 U	1.2 U	1.1 U	1.2 U	0.7 J	1.2 U	1.1 U
Heptachlor	µg/kg	--	1.1E+02	1.1E+02	3.1E+04	1.8 U	2.1 U	2 U	360	250	1.9 U	10	1.9 U	1.8 U	2 U	1.9 U	2 U	0.2 J	2 U	1.9 U
Chlorinated Herbicides																				
2,4-DB	µg/kg	--	4.9E+05	--	4.9E+05	11 U	12 U	12 U	75	130	11 U	11 U	11 U	11 U	12 U	11 U	12 U	12 U	12 U	11 U
Organophosphorus Pesticides																				
Chlorpyrifos	µg/kg	--	1.8E+05	--	1.8E+05	53 U	61 U	60 U	540 U	300 U	55 U	54 U	55 U	54 U	58 U	56 U	58 U	900	58 U	55 U

J = estimated concentration

µg/kg = micrograms per kilogram

N = Presumptive evidence of the presence of the analyte. Result is used as reported but may be qualified on other grounds.

U = not detected (including not present because of blank contamination)

Table 6-2: Detected Analytes, Parcel AG-2

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG2-HA1 0 feet bgs LJ073	AG2-HA1 2 feet bgs LJ074	AG2-HA2 0 feet bgs LJ075	AG2-HA2 2 feet bgs LJ076	AG2-HA2 4 feet bgs LJ077	AG2-HA3 0 feet bgs LJ069	AG2-HA3 0 feet bgs (dup) LJ070	AG2-HA3 2 feet bgs LJ071	AG2-HA3 4 feet bgs LJ072
Organochloride Pesticides														
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	3 J	3.1 U	3.1 U	3.1 U	3.2 U	3 J	3	3.1 U	3.1 U
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	1 J	0.4 J	0.7 J	0.3 U	3.2 U	4 J	7.9	3.1 U	3.1 U
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	2 J	0.5 J	3.1 U	3.1 U	3.2 U	1 J	2 J	3.1 U	3.1 U
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	0.6 J	1 U	1 U	1 U	1.1 U	1.2 R	1 U	1 U	1 U
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	1	1 U	1 U	1 U	1.1 U	1.2 R	1 U	1 U	1 U
Heptachlor	µg/kg	--	1.1E+02	1.1E+02	3.1E+04	0.06 J	1.7 U	1.7 U	1.8 U	1.8 U	2 R	1.7 U	1.8 U	1.7 U

J = estimated concentration

µg/kg = micrograms per kilogram

U = not detected (including not present because of blank contamination)

Table 6-3: Detected Analytes, Parcel AG-3

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG3-HA1 0 feet bgs LJ019	AG3-HA1 2 feet bgs LJ020	AG3-HA1 4 feet bgs LJ021	AG3-HA2 0 feet bgs LJ014	AG3-HA2 2 feet bgs LJ015	AG3-HA2 4 feet bgs LJ016	AG3-HA3 0 feet bgs LJ017	AG3-HA3 2 feet bgs LJ018	AG3-HA4 0 feet bgs LJ022	AG3-HA4 0 feet bgs (dup) LJ023	AG3-HA4 2 feet bgs LJ024	AG3-HA4 4 feet bgs LJ025
Organochloride Pesticides																	
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	1 J	3.1 U	3.2 U	3.1 U	6	3	0.4 J	0.5 J	3.2 U	3.2 U	3.1 U	3.1 U
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	3 J	3.1 U	3.2 U	7.1	42	10	2 J	4	3.2 U	3.2 U	3.1 U	3.1 U
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	4	3.1 U	3.2 U	19	14	11	2 J	3 J	3.2 U	3.2 U	3.1 U	3.1 U
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	2	1 U	1.1 U	29	1.1 U	1 U	0.6 J	0.5 U	51	41	1 U	3.3
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	3.3 U	3.1 U	3.2 U	1 J	3.2 U	3.1 U	3 U	3.3 U	2 J	1 J	3.1 U	3.1 U
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	3.4	1 U	1.1 U	25	1.1 U	1 U	0.8 J	0.2 J	52	42	1 U	2
Heptachlor Epoxide	µg/kg	--	5.3E+01	5.3E+01	7.9E+02	1.9 U	1.8 U	1.8 U	1 J	1.8 U	1.8 U	1.7 U	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U

J = estimated concentration

µg/kg = micrograms per kilogram

U = not detected (including not present because of blank contamination)

Table 6-4: Detected Analytes, Parcel AG-4

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG4-HA1 0 feet bgs LJ008	AG4-HA1 2 feet bgs LJ009	AG4-HA1 4 feet bgs LJ010	AG4-HA2 0 feet bgs LJ004	AG4-HA2 2 feet bgs LJ005	AG4-HA2 4 feet bgs LJ006	AG4-HA3 0 feet bgs LJ001	AG4-HA3 2 feet bgs LJ002	AG4-HA3 4 feet bgs LJ003	AG4-HA4 0 feet bgs LJ011	AG4-HA4 0 feet bgs (dup) LJ012	AG4-HA4 2 feet bgs LJ013
Organochloride Pesticides																	
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	4	3.2 U	3.4 U	2 J	3.4 U	3.1 U	0.2 J	3.4 U	3.3 U	10	23	3
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	5	3.2 U	3.4 U	2 J	3.4 U	3.1 U	0.4 J	3.4 U	3.3 U	37	72	14
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	11	3.2 U	3.4 U	3 J	3.4 U	3.1 U	2 J	3.4 U	3.3 U	22	43	7.9
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	2	3.7	1 J
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	2	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 J	2	0.5 J

J = estimated concentration

µg/kg = micrograms per kilogram

U = not detected (including not present because of blank contamination)

Table 6-5: Detected Analytes, Parcel AG-5

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG5-HA1 0 feet bgs LJ046	AG5-HA1 2 feet bgs LJ047	AG5-HA1 4 feet bgs LJ048	AG5-HA2 0 feet bgs LJ042	AG5-HA2 0 feet bgs (dup) LJ043	AG5-HA2 2 feet bgs LJ044	AG5-HA2 4 feet bgs LJ045	AG5-HA3 0 feet bgs LJ049	AG5-HA3 0 feet bgs (dup) LJ050	AG5-HA3 2 feet bgs LJ051	AG5-HA3 4 feet bgs LJ052
Organochloride Pesticides																
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	3.9 U	3.4 U	3.5 U	3.2 U	3.2 U	3.2 U	3.7 U	2 U	3 J	3.2 U	3.4 U
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	0.9 J	3.4 U	3.5 U	3.2 U	3.2 U	0.08 J	3.7 U	9.8 U	8 J	0.4 J	3.4 U
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	1 J	3.4 U	0.5 J	3.2 U	3.2 U	3.2 U	3.7 U	7 U	6 J	3.2 U	3.4 U
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	3.9 U	3.4 U	3.5 U	3.2 U	3.2 U	3.2 U	3.7 U	4 U	0.4 J	3.2 U	3.4 U
Methoxychlor	µg/kg	--	3.1E+05	--	3.1E+05	13 U	11 U	12 U	11 U	11 U	11 U	12 U	1 U	1 J	11 U	11 U

µg/kg = micrograms per kilogram

U = not detected (including not present because of blank contamination)

Table 6-6: Detected Analytes, Parcel AG-6

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG6-HA1 0 feet bgs LJ039	AG6-HA1 2 feet bgs LJ040	AG6-HA1 4 feet bgs LJ041	AG6-HA2 0 feet bgs LJ032	AG6-HA2 0 feet bgs (dup) LJ033	AG6-HA2 2 feet bgs LJ034	AG6-HA2 4 feet bgs LJ035	AG6-HA3 0 feet bgs LJ036	AG6-HA3 2 feet bgs LJ037	AG6-HA3 4 feet bgs LJ038
Organochloride Pesticides															
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	3.2 U	4	3.4 U	3.9 U	4 U	3.6 U	3.5 U	3 J	4	3.5 U
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	0.7 J	32	3.4 U	5	8.3	3.6 U	3.5 U	13	54	6
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	3.2 U	3.4 U	3.4 U	3.9 U	4 U	3.6 U	3.5 U	0.9 J	0.6 J	3.5 U
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	1.1 U	4.8	1.1 U	1.3 U	1.3 U	1.2 U	1.2 U	1.1 U	2	1.2 U
Endrin Aldehyde	µg/kg	2.22	1.8E+04	--	1.8E+04	3.2 U	3.4 U	3.4 U	3.9 U	0.7 J	3.6 U	3.5 U	3.4 U	3.4 U	3.5 U
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	1.1 U	3.7	1.1 U	1.3 U	1.3 U	1.2 U	1.2 U	1.1 U	2	1.2 U
Methoxychlor	µg/kg	--	3.1E+05	--	3.1E+05	11 U	11 U	11 U	13 U	2 J	12 U	12 U	11 U	11 U	12 U

µg/kg = micrograms per kilogram

U = not detected (including not present because of blank contamination)

Table 6-7: Detected Analytes, Parcel AG-7

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG7-HA1 1 foot bgs LJ030	AG7-HA1 4 feet bgs LJ031	AG7-HA2 1 foot bgs LJ028	AG7-HA2 4 feet bgs LJ029	AG7-HA3 1 foot bgs LJ026	AG7-HA3 4 feet bgs LJ027
Organochloride Pesticides											
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	56	3.5 U	9.7	3.3 U	26	3.4 U
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	192	0.4 J	66	3 J	90	1 J
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	137	3.5 U	22	0.7 J	56	0.4 J
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	8.5	1.2 U	1	1.1 U	5.2	1.1 U
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	5	3.5 U	2 J	3.3 U	6	3.4 U
Endosulfan Sulfate	µg/kg	3.1	3.7E+05	--	3.7E+05	15	5.9 U	5.4 U	5.5 U	7	5.6 U
Endrin Aldehyde	µg/kg	2.22	1.8E+04	--	1.8E+04	9	3.5 U	3.2 U	3.3 U	4	3.4 U
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	4.9	1.2 U	0.4 J	1.1 U	2	1.1 U
Heptachlor Epoxide	µg/kg	--	5.3E+01	5.3E+01	7.9E+02	2 J	2 U	1.8 U	1.9 U	1.9 U	1.9 U

J = estimated concentration

µg/kg = micrograms per kilogram

U = not detected (including not present because of blank contamination)

Table 6-8: Detected Analytes, Parcel AG-8

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG8-HA1 1 foot bgs LJ078	AG8-HA1 4 feet bgs LJ079	AG8-HA2 1 foot bgs LJ083	AG8-HA2 4 feet bgs LJ084	AG8-HA3 1 foot bgs LJ080	AG8-HA3 1 foot bgs LJ081	AG8-HA3 4 feet bgs LJ082
Organochloride Pesticides												
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	4	3.1 U	4	3.4 U	3	3.6 U	3.5 U
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	11	3.1 U	3 J	0.7 J	4	1 J	3.5 U
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	2 J	3.1 U	0.5 J	0.3 U	0.5 J	3.6 U	3.5 U
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	0.7 J	1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	0.3 J	1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U

J = estimated concentration

µg/kg = micrograms per kilogram

U = not detected (including not present because of blank contamination)

Table 6-9: Detected Analytes, Parcel AG-9

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG9-HA1 1 foot bgs LJ091	AG9-HA1 1 foot bgs (dup) LJ092	AG9-HA1 4 feet bgs LJ093	AG9-HA2 1 foot bgs LJ085	AG9-HA2 4 feet bgs LJ086	AG9-HA3 1 foot bgs LJ087	AG9-HA3 4 feet bgs LJ088	AG9-HA4 1 foot bgs LJ089	AG9-HA4 4 feet bgs LJ090	AG9-HA5 0 feet bgs LJ094	AG9-HA5 2 feet bgs LJ095	AG9-HA5 4 feet bgs LJ096
Organochloride Pesticides																	
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	16	15	4	3.4 U	3.3 U	3 J	3.5 U	20	4	14	3.5 U	3.8 U
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	94	92	9.3	3.4 U	0.06 J	0.8 J	3.5 U	55	3 J	14	5	1 J
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	29	32	3 J	3.4 U	3.3 U	1 J	3.5 U	77	4	28	3.5 U	1 J
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.6 J	1.2 U	1.1 U	1.2 U	1 U	1.2 U	1.3 U
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	3.3 U	3.3 U	3.4 U	3.4 U	3.3 U	3.3 U	3.5 U	3.3 U	3.5 U	3.1 U	2 J	3.8 U
Endrin Aldehyde	µg/kg	2.22	1.8E+04		1.8E+04	1 J	1 J	3.4 U	3.4 U	3.3 U	3.3 U	3.5 U	4	3.5 U	1 J	3.5 U	3.8 U
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.3 J	1.2 U	1.1 U	1.2 U	1 U	1.2 U	1.3 U
Organophosphorus Pesticides																	
Diazinon	µg/kg	--	5.5E+04	--	5.5E+04	56 U	54 U	57 U	57 U	55 U	54 U	58 U	55 U	58 U	14 J	58 U	64 U

J = estimated concentration

µg/kg = micrograms per kilogram

U = not detected (including not present because of blank contamination)

6.8 PARCEL AG-8

Six samples were collected from three locations at parcel AG-8. 4,4'-DDD was detected in three samples, with a maximum concentration of 4 µg/kg. 4,4'-DDE was detected in five samples, with a maximum concentration of 11 µg/kg. 4,4'-DDT was detected in three samples, with a maximum concentration of 2 µg/kg. Alpha-chlordane was detected in one sample, at a concentration of 0.7 µg/kg. Gamma-chlordane was detected in one sample, at a concentration of 0.3 µg/kg. All detected analytes had concentrations below their respective residential PRG.

6.9 PARCEL AG-9

Eleven samples were collected from 5 locations at parcel AG-9. 4,4'-DDD was detected in seven samples, with a maximum concentration of 20 µg/kg. 4,4'-DDE was detected in nine samples, with a maximum concentration of 94 µg/kg. 4,4'-DDT was detected in seven samples, with a maximum concentration of 77 µg/kg. Alpha-chlordane was detected in one sample, at a concentration of 0.6 µg/kg. Dieldrin was detected in one sample, at a concentration of 2 µg/kg. Endrin aldehyde was detected in five samples, with a maximum concentration of 4 µg/kg. Gamma-chlordane was detected in one sample, at a concentration of 0.3 µg/kg. Diazinon was detected in one sample, at a concentration of 14 µg/kg. All detected analytes had concentrations below their respective residential PRG.

7. RISK SCREENING

As required by the EPA memorandum regarding protocol for CERFA conclusions on property impacted by pesticides or herbicides (EPA 1994), a risk screening was performed. This guidance memorandum states that the analytical results should be compared to EPA Region 9 PRG values. The PRG values can be used for general risk screening purposes. Residential PRG values (the most conservative) were used for this evaluation as they allow for unrestricted reuse and they were used in the previous evaluation (JEG 1995a). The lower of the calculated cancer and noncancer risk PRG value is presented as the applicable PRG value (EPA 2000). The cancer and noncancer PRGs are derived based on a lifetime cancer risk of 10^{-6} and a noncancer hazard index of 1 respectively.

The first step in the risk screening was to compare the reported concentration of an analyte to its residential PRG value. If the PRG value was exceeded, then the analyte may present a risk to human health at that sampling location.

The second step in the risk screening was to determine whether multiple detected analytes (each individually below their associated PRG value) from any single sample presented a possible risk due to multiple chemical additivity (MCA). The MCA was calculated separately for cancer and noncancer risks and consists of the sum of the ratios of the analytes' detected concentration to the respective PRGs. Accordingly, a cumulative cancer and the cumulative noncancer hazard index ratio were calculated. For carcinogens, a cumulative risk ratio of 1 represents a cancer risk of 10^{-6}. For noncarcinogens, a cumulative risk ratio of 1 represents a hazard index of 1. If a cumulative cancer risk ratio or noncancer ratio exceeds 1, then the pesticide and/or herbicide levels at the location may potentially present a risk to human health. Attachment 2 presents risk screening calculations for each of the parcels.

7.1 PARCEL AG-1

One sample at parcel AG-1 and its duplicate had their cumulative carcinogenic risk ratio exceed 1. Samples LJ059 and LJ060, which were duplicates collected at 0 feet bgs at location AG1-HA2, had cumulative carcinogenic risk ratios of 12.65 and 9.13, respectively. No other samples had cumulative

carcinogenic risk ratios greater than 1. The maximum cumulative noncarcinogenic risk ratio was 0.33, in sample LJ059.

7.2 PARCEL AG-2

The maximum cumulative carcinogenic risk ratio at parcel AG-2 was less than 0.01. The maximum cumulative noncarcinogenic risk ratio was also less than 0.014. No samples had cumulative risk ratio greater than 1.

7.3 PARCEL AG-3

The maximum cumulative carcinogenic risk ratio at parcel AG-3 was 0.13. The maximum cumulative noncarcinogenic risk ratio was 0.02. No samples had cumulative risk ratio greater than 1.

7.4 PARCEL AG-4

The maximum cumulative carcinogenic risk ratio at parcel AG-4 was 0.08. The maximum cumulative noncarcinogenic risk ratio was less than 0.01. No samples had cumulative risk ratio greater than 1.

7.5 PARCEL AG-5

The maximum cumulative carcinogenic risk ratio at parcel AG-5 was 0.02. The maximum cumulative noncarcinogenic risk ratio was less than 0.01. No samples had cumulative risk greater than 1.

7.6 PARCEL AG-6

The maximum cumulative carcinogenic risk ratio at parcel AG-6 was 0.04. The maximum cumulative noncarcinogenic risk ratio was less than 0.01. No samples had cumulative risk greater than 1.

7.7 PARCEL AG-7

The maximum cumulative carcinogenic risk ratio at parcel AG-7 was 0.30. The maximum cumulative noncarcinogenic risk ratio was less than 0.01. No samples had cumulative risk greater than 1.

7.8 PARCEL AG-8

The maximum cumulative carcinogenic risk ratio at parcel AG-8 was less than 0.01. The maximum cumulative noncarcinogenic risk ratio was also less than 0.01. No samples had cumulative risk greater than 1.

7.9 PARCEL AG-9

The maximum cumulative carcinogenic risk ratio at parcel AG-9 was 0.08. The maximum cumulative noncarcinogenic risk ratio was less than 0.01. No samples had cumulative risk greater than 1.

8. SUMMARY AND CONCLUSIONS

Parcels AG-2, AG-3, AG-4, AG-5, AG-6, AG-7, AG-8, and AG-9 had no analytes detected above EPA Region 9 PRGs, and maximum cumulative risk ratios were all below 1 at each parcel. This

indicates that carcinogenic risk is below 1 x 10^{-6} and the hazard index is below 1 at each of the parcels.

Parcel AG-1 had one sample located at the pesticide mixing area with concentrations above EPA Region 9 PRGs, and with a cumulative risk ratio above 1. The maximum cumulative carcinogenic risk ratio of 12.65 indicates a carcinogenic risk of 1.27 x 10^{-5}. The maximum cumulative noncarcinogenic risk ratio at parcel AG-1 was 0.33, indicating that the hazard index is below 1. The maximum cumulative carcinogenic and non-carcinogenic risk ratios associated with the remaining samples were below 1.

The Navy proposes to collect additional samples in order to determine if any additional risk exists as a result of a pesticide storage area.

9. REFERENCES

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Appendix 1
Analytical Results

Table C.1-1: Analytical Results, Parcel AG-1

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG1-HA1 0 feet bgs LJ054	AG1-HA1 2 feet bgs LJ055	AG1-HA1 4 feet bgs LJ056	AG1-HA2 0 feet bgs LJ059	AG1-HA2 0 feet bgs (dup) LJ060	AG1-HA2 2 feet bgs LJ061	AG1-HA2 4 feet bgs LJ062	AG1-HA3 0 feet bgs LJ057	AG1-HA3 2 feet bgs LJ058	AG1-HA4 0 feet bgs LJ066	AG1-HA4 2 feet bgs LJ067	AG1-HA4 4 feet bgs LJ068	AG1-HA5 0 feet bgs LJ063	AG1-HA5 2 feet bgs LJ064	AG1-HA5 4 feet bgs LJ065
Organochloride Pesticides																				
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	6	3.6 U	3.6 U	4,500 N	3,200	5	69 N	13	6.9 N	95	3 J	3 J	5	3.5 U	3.3 U
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	27	3.6 U	3.6 U	1,200	990	2 N	29	23	15	274	3 J	1 J	3 J	3.5 U	0.2 J
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	21	3.6 U	3.6 U	9,850	7,370	7.1	179	36	12	101	0.7 J	0.5 J	3 J	3.5 U	3.3 U
Aldrin	µg/kg	--	2.9E+01	2.9E+01	1.8E+03	1.8 U	2.1 U	2 U	180 U	200 U	1.9 U	1.8 U	1.9 U	1.8 U	2 U	1.9 U	2 U	2 U	2 U	1.9 U
Alpha-BHC	µg/kg	--	9.0E+01	9.0E+01	3.5E+04	1.8 U	2.1 U	2 U	180 U	200 U	1.9 U	1.8 U	1.9 U	1.8 U	2 U	1.9 U	2 U	2 U	2 U	1.9 U
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	3.2	1.2 U	1.2 U	390	290	0.8 J	6.3	1.1 U	1.1 U	1.2 U	1.1 U	1.2 U	0.6 J	1.2 U	1.1 U
Beta-BHC	µg/kg	--	3.2E+02	3.2E+02	1.4E+04	1.8 U	2.1 U	2 U	180 U	200 U	1.9 U	1.8 U	1.9 U	1.8 U	2 U	1.9 U	2 U	2 U	2 U	1.9 U
Delta-BHC	µg/kg	--	--	--	--	1.8 U	2.1 U	2 U	180 U	200 U	1.9 U	1.8 U	1.9 U	1.8 U	2 U	1.9 U	2 U	2 U	2 U	1.9 U
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	3.2 U	3.6 U	3.6 U	320 U	350 U	3.3 U	3.2 U	3.3 U	2 J	3.5 U	3.4 U	3.5 U	3.6 U	3.5 U	3.3 U
Endosulfan I	µg/kg	0.179	3.7E+05	--	3.7E+05	3.2 U	3.6 U	3.6 U	320 U	350 U	3.3 U	3.2 U	3.3 U	3.2 U	3.5 U	3.4 U	3.5 U	3.6 U	3.5 U	3.3 U
Endosulfan II	µg/kg	2.22	3.7E+05	--	3.7E+05	3.2 U	3.6 U	3.6 U	320 U	350 U	3.3 U	3.2 U	3.3 U	3.2 U	3.5 U	3.4 U	3.5 U	3.6 U	3.5 U	3.3 U
Endosulfan Sulfate	µg/kg	3.1	3.7E+05	--	3.7E+05	5.3 U	6.1 U	6 U	540 U	590 U	5.5 U	5.4 U	5.5 U	5.4 U	5.8 U	5.6 U	5.8 U	5.9 U	5.8 U	5.5 U
Endrin	µg/kg	2.22	1.8E+04	--	1.8E+04	3.2 U	3.6 U	3.6 U	320 U	350 U	3.3 U	3.2 U	3.3 U	3.2 U	3.5 U	3.4 U	3.5 U	3.6 U	3.5 U	3.3 U
Endrin Aldehyde	µg/kg	2.22	1.8E+04	--	1.8E+04	3.2 U	3.6 U	3.6 U	320 U	350 U	3.3 U	3.2 U	3.3 U	3.2 U	3.5 U	3.4 U	3.5 U	3.6 U	3.5 U	3.3 U
Endrin Ketone	µg/kg	--	1.8E+04	--	1.8E+04	3.2 U	3.6 U	3.6 U	320 U	350 U	3.3 U	3.2 U	3.3 U	3.2 U	3.5 U	3.4 U	3.5 U	3.6 U	3.5 U	3.3 U
Gamma-BHC (lindane)	µg/kg	--	4.4E+02	4.4E+02	2.1E+04	1.8 U	2.1 U	2 U	180 U	200 U	1.9 U	1.8 U	1.9 U	1.8 U	2 U	1.9 U	2 U	2 U	2 U	1.9 U
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	2	1.2 U	1.2 U	1300	760	2.8	31	0.6 J	1.1 U	1.2 U	1.1 U	1.2 U	0.7 J	1.2 U	1.1 U
Heptachlor	µg/kg	--	1.1E+02	1.1E+02	3.1E+04	1.8 U	2.1 U	2 U	360	250	1.9 U	10	1.9 U	1.8 U	2 U	1.9 U	2 U	0.2 J	2 U	1.9 U
Heptachlor Epoxide	µg/kg	--	5.3E+01	5.3E+01	7.9E+02	1.8 U	2.1 U	2 U	180 U	200 U	1.9 U	1.8 U	1.9 U	1.8 U	2 U	1.9 U	2 U	2 U	2 U	1.9 U
Methoxychlor	µg/kg	--	3.1E+05	--	3.1E+05	11 U	12 U	12 U	1,100 U	1,200 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	12 U	12 U	11 U
Toxaphene	µg/kg	--	4.4E+02	4.4E+02	--	110 U	120 U	120 U	11,000 U	12,000 U	110 U	110 U	110 U	110 U	120 U	110 U	120 U	120 U	120 U	110 U
Organophosphorus Pesticides																				
Azinphos Methyl	µg/kg	--	--	--	--	110 U	120 U	120 U	1100 U	590 U	110 U	110 U	110 U	110 U	120 U	110 U	120 U	590 U	120 U	110 U
Bolstar (sulprofos)	µg/kg	--	--	--	--	53 U	61 U	60 U	540 U	300 U	55 U	54 U	55 U	54 U	58 U	56 U	58 U	300 U	58 U	55 U
Chlorpyrifos	µg/kg	--	1.8E+05	--	1.8E+05	53 U	61 U	60 U	540 U	300 U	55 U	54 U	55 U	54 U	58 U	56 U	58 U	900	58 U	55 U
Coumaphos	µg/kg	--	--	--	--	110 U	120 U	120 U	1100 U	590 U	110 U	110 U	110 U	110 U	120 U	110 U	120 U	590 U	120 U	110 U
Demeton-O	µg/kg	--	2.4E+03	--	2.4E+03	53 U	61 U	60 U	540 UJ	300 UJ	55 U	54 U	55 U	54 U	58 U	56 U	58 U	300 UJ	58 U	55 U
Demeton-S	µg/kg	--	--	--	--	53 U	61 U	60 U	540 U	300 U	55 U	54 U	55 U	54 U	58 U	56 U	58 U	300 U	58 U	55 U
Diazinon	µg/kg	--	5.5E+04	--	5.5E+04	53 U	61 U	60 U	540 U	300 U	55 U	54 U	55 U	54 U	58 U	56 U	58 U	300 U	58 U	55 U
Dichlorvos	µg/kg	--	1.7E+03	1.7E+03	3.1E+04	53 U	61 U	60 U	540 U	300 U	55 U	54 U	55 U	54 U	58 U	56 U	58 U	300 U	58 U	55 U
Disulfoton	µg/kg	--	2.4E+03	--	2.4E+03	53 U	61 U	60 U	540 U	300 U	55 U	54 U	55 U	54 U	58 U	56 U	58 U	300 U	58 U	55 U
Ethoprop	µg/kg	--	--	--	--	53 U	61 U	60 U	540 U	300 U	55 U	54 U	55 U	54 U	58 U	56 U	58 U	300 U	58 U	55 U
Fensulfothion	µg/kg	--	--	--	--	53 U	61 U	60 U	540 U	300 U	55 U	54 U	55 U	54 U	58 U	56 U	58 U	300 U	58 U	55 U
Fenthion	µg/kg	--	--	--	--	53 U	61 U	60 U	540 U	300 U	55 U	54 U	55 U	54 U	58 U	56 U	58 U	300 U	58 U	55 U
Merphos	µg/kg	--	1.8E+03	--	1.8E+03	53 U	61 U	60 U	540 U	300 U	55 U	54 U	55 U	54 U	58 U	56 U	58 U	300 U	58 U	55 U
Methyl Parathion	µg/kg	--	1.5E+04	--	1.5E+04	53 U	61 U	60 U	540 U	300 U	55 U	54 U	55 U	54 U	58 U	56 U	58 U	300 U	58 U	55 U
Mevinphos	µg/kg	--	--	--	--	53 U	61 U	60 U	540 U	300 U	55 U	54 U	55 U	54 U	58 U	56 U	58 U	300 U	58 U	55 U
Naled	µg/kg	--	1.2E+05	--	1.2E+05	53 U	61 U	60 U	540 U	300 U	55 U	54 U	55 U	54 U	58 U	56 U	58 U	300 U	58 U	55 U
Phorate	µg/kg	--	1.2E+04	--	1.2E+04	53 U	61 U	60 U	540 U	300 U	55 U	54 U	55 U	54 U	58 U	56 U	58 U	300 U	58 U	55 U
Ronnel	µg/kg	--	3.1E+06	--	3.1E+06	53 U	61 U	60 U	540 U	300 U	55 U	54 U	55 U	54 U	58 U	56 U	58 U	300 U	58 U	55 U
Tetrachlorvinphos (stirophos)	µg/kg	--	2.0E+04	2.0E+04	1.8E+06	110 U	120 U	120 U	1100 U	590 U	110 U	110 U	110 U	110 U	120 U	110 U	120 U	590 U	120 U	110 U
Tokuthion (prothiofos)	µg/kg	--	--	--	--	110 U	120 U	120 U	1100 U	590 U	110 U	110 U	110 U	110 U	120 U	110 U	120 U	590 U	120 U	110 U
Trichloronate	µg/kg	--	--	--	--															
Chlorinated Herbicides																				
2,4,5-T	µg/kg	--	6.1E+05	--	6.1E+05	11 U	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	12 U	12 U	11 U
2,4,5-TP (silvex)	µg/kg	--	4.9E+05	--	4.9E+05	11 U	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	12 U	12 U	11 U
2,4-D	µg/kg	--	6.9E+05	--	6.9E+05	11 U	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	12 U	12 U	11 U
2,4-DB	µg/kg	--	4.9E+05	--	4.9E+05	11 U	12 U	12 U	75	130	11 U	11 U	11 U	11 U	12 U	11 U	12 U	12 U	12 U	11 U
Dalapon (dichloroacetic acid)	µg/kg	--	1.8E+06	--	1.8E+06	21 U	24 U	24 U	21 U	24 U	22 U	22 U	22 U	22 U	23 U	22 U	23 U	24 U	23 U	22 U
Dicamba	µg/kg	--	--	--	--	11 U	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	12 U	12 U	11 U
Dichloroprop	µg/kg	67.2	--	--	--	11 U	12 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	12 U	12 U	11 U
Dinoseb (DNBP)	µg/kg	--	6.1E+04	--	6.1E+04	21 U	24 U	24 U	21 U	24 U	22 U	22 U	22 U	22 U	23 U	22 U	23 U	24 U	23 U	22 U
MCPA	µg/kg	28,500	--	--	--	2,100 U	2,400 U	2,400 U	2,100 U	2,400 U	2,200 U	2,200 U	2,200 U	2,200 U	2,300 U	2,200 U	2,300 U	2,400 U	2,300 U	2,200 U
MCPP	µg/kg	--	6.1E+04	--	6.1E+04	2,100 U	2,400 U	2,400 U	2,100 U	2,400 U	2,200 U	2,200 U	2,200 U	2,200 U	2,300 U	2,200 U	2,300 U	2,400 U	2,300 U	2,200 U

J = estimated concentration

µg/kg = micrograms per kilogram

N = Presumptive evidence of the presence of the analyte. Result is used as reported but may be qualified on other grounds.

R = rejected data (unusable)

U = not detected (including not present because of blank contamination)

Table C.1-2: Analytical Results, Parcel AG-2

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG2-HA1 0 feet bgs LJ073	AG2-HA1 2 feet bgs LJ074	AG2-HA2 0 feet bgs LJ075	AG2-HA2 2 feet bgs LJ076	AG2-HA2 4 feet bgs LJ077	AG2-HA3 0 feet bgs LJ069	AG2-HA3 0 feet bgs (dup) LJ070	AG2-HA3 2 feet bgs LJ071	AG2-HA3 4 feet bgs LJ072
Organochloride Pesticides														
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	3 J	3.1 U	3.1 U	3.1 U	3.2 U	3 J	3	3.1 U	3.1 U
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	1 J	0.4 J	0.7 J	0.3 U	3.2 U	4 J	7.9	3.1 U	3.1 U
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	2 J	0.5 J	3.1 U	3.1 U	3.2 U	1 J	2 J	3.1 U	3.1 U
Aldrin	µg/kg	--	2.9E+01	2.9E+01	1.8E+03	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	2 R	1.7 U	1.8 U	1.7 U
Alpha-BHC	µg/kg	--	9.0E+01	9.0E+01	3.5E+04	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	2 R	1.7 U	1.8 U	1.7 U
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	0.6 J	1 U	1 U	1 U	1.1 U	1.2 R	1 U	1 U	1 U
Beta-BHC	µg/kg	--	3.2E+02	3.2E+02	1.4E+04	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	2 R	1.7 U	1.8 U	1.7 U
Delta-BHC	µg/kg	--	--	--	--	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	2 R	1.7 U	1.8 U	1.7 U
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	3 U	3.1 U	3.1 U	3.1 U	3.2 U	3.5 R	3.1 U	3.1 U	3.1 U
Endosulfan I	µg/kg	0.179	3.7E+05	--	3.7E+05	3 U	3.1 U	3.1 U	3.1 U	3.2 U	3.5 R	3.1 U	3.1 U	3.1 U
Endosulfan II	µg/kg	2.22	3.7E+05	--	3.7E+05	3 U	3.1 U	3.1 U	3.1 U	3.2 U	3.5 R	3.1 U	3.1 U	3.1 U
Endosulfan Sulfate	µg/kg	3.1	3.7E+05	--	3.7E+05	5 U	5.1 U	5.1 U	5.2 U	5.4 U	5.8 R	5.1 U	5.2 U	5.1 U
Endrin	µg/kg	2.22	1.8E+04	--	1.8E+04	3 U	3.1 U	3.1 U	3.1 U	3.2 U	3.5 R	3.1 U	3.1 U	3.1 U
Endrin Aldehyde	µg/kg	2.22	1.8E+04	--	1.8E+04	3 U	3.1 U	3.1 U	3.1 U	3.2 U	3.5 R	3.1 U	3.1 U	3.1 U
Endrin Ketone	µg/kg	--	1.8E+04	--	1.8E+04	3 U	3.1 U	3.1 U	3.1 U	3.2 U	3.5 R	3.1 U	3.1 U	3.1 U
Gamma-BHC (lindane)	µg/kg	--	4.4E+02	4.4E+02	2.1E+04	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	2 R	1.7 U	1.8 U	1.7 U
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	1	1 U	1 U	1 U	1.1 U	1.2 R	1 U	1 U	1 U
Heptachlor	µg/kg	--	1.1E+02	1.1E+02	3.1E+04	0.06 J	1.7 U	1.7 U	1.8 U	1.8 U	2 R	1.7 U	1.8 U	1.7 U
Heptachlor Epoxide	µg/kg	--	5.3E+01	5.3E+01	7.9E+02	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	2 R	1.7 U	1.8 U	1.7 U
Methoxychlor	µg/kg	--	3.1E+05	--	3.1E+05	10 U	10 U	10 U	10 U	11 U	12 R	10 U	10 U	10 U
Toxaphene	µg/kg	--	4.4E+02	4.4E+02	--	100 U	100 U	100 U	100 U	110 U	120 R	100 U	100 U	100 U
Organophosphorus Pesticides														
Azinphos Methyl	µg/kg	--	--	--	--	100 U	100 U	100 U	100 U	110 U	120 U	100 U	100 U	100 U
Bolstar (sulprofos)	µg/kg	--	--	--	--	50 U	51 U	51 U	52 U	54 U	58 U	51 U	52 U	51 U
Chlorpyrifos	µg/kg	--	1.8E+05	--	1.8E+05	50 U	51 U	51 U	52 U	54 U	58 U	51 U	52 U	51 U
Coumaphos	µg/kg	--	--	--	--	100 U	100 U	100 U	100 U	110 U	120 U	100 U	100 U	100 U
Demeton-O	µg/kg	--	2.4E+03	--	2.4E+03	50 U	51 U	51 U	52 U	54 UJ	58 U	51 U	52 U	51 U
Demeton-S	µg/kg	--	--	--	--	50 U	51 U	51 U	52 U	54 U	58 U	51 U	52 U	51 U
Diazinon	µg/kg	--	5.5E+04		5.5E+04	50 U	51 U	51 U	52 U	54 U	58 U	51 U	52 U	51 U
Dichlorvos	µg/kg	--	1.7E+03	1.7E+03	3.1E+04	50 UJ	51 UJ	51 UJ	52 UJ	54 UJ	58 UJ	51 UJ	52J UJ	51J U
Disulfoton	µg/kg	--	2.4E+03	--	2.4E+03	50 U	51 U	51 U	52 U	54 U	58 U	51 U	52 U	51 U
Ethoprop	µg/kg	--	--	--	--	50 U	51 U	51 U	52 U	54 UJ	58 U	51 U	52 U	51 U
Fensulfothion	µg/kg	--	--	--	--	50 U	51 U	51 U	52 U	54 U	58 U	51 U	52 U	51 U
Fenthion	µg/kg	--	--	--	--	50 U	51 U	51 U	52 U	54 U	58 U	51 U	52 U	51 U
Merphos	µg/kg	--	1.8E+03	--	1.8E+03	50 U	51 U	51 U	52 U	54 UJ	58 U	51 U	52 U	51 U
Methyl Parathion	µg/kg	--	1.5E+04	--	1.5E+04	50 U	51 U	51 U	52 U	54 U	58 U	51 U	52 U	51 U
Mevinphos	µg/kg	--	--	--		50 U	51 U	51 U	52 U	54 UJ	58 U	51 U	52 U	51 U
Naled	µg/kg	--	1.2E+05	--	1.2E+05	50 U	51 U	51 U	52 U	54 U	58 U	51 U	52 U	51 U
Phorate	µg/kg	--	1.2E+04	--	1.2E+04	50 U	51 U	51 U	52 U	54 U	58 U	51 U	52 U	51 U
Ronnel	µg/kg	--	3.1E+06	--	3.1E+06	50 U	51 U	51 U	52 U	54 U	58 U	51 U	52 U	51 U
Tetrachlorvinphos (stirophos)	µg/kg	--	2.0E+04	2.0E+04	1.8E+06	100 U	100 U	100 U	100 U	110 U	120 U	100 U	100 U	100 U
Tokuthion (prothiofos)	µg/kg	--	--	--	--	100 U	100 U	100 U	100 U	110 U	120 U	100 U	100 U	100 U
Trichloronate	µg/kg	--	--	--	--									
Chlorinated Herbicides														
2,4,5-T	µg/kg	--	6.1E+05	--	6.1E+05	10 U	10 U	10 U	10 U	11 U	12 U	10 U	10 U	10 U
2,4,5-TP (silvex)	µg/kg	--	4.9E+05	--	4.9E+05	10 U	10 U	10 U	10 U	11 U	12 U	10 U	10 U	10 U
2,4-D	µg/kg	--	6.9E+05	--	6.9E+05	10 U	10 U	10 U	10 U	11 U	12 U	10 U	10 U	10 U
2,4-DB	µg/kg	--	4.9E+05	--	4.9E+05	10 U	10 U	10 U	10 U	11 U	12 U	10 U	10 U	10 U
Dalapon (dichloroacetic acid)	µg/kg	--	1.8E+06	--	1.8E+06	20 U	21 U	21 U	21 U	21 U	23 U	20 U	21 U	20 U
Dicamba	µg/kg	--	--	--	--	10 U	10 U	10 U	10 U	11 U	12 U	10 U	10 U	10 U
Dichloroprop	µg/kg	67.2	--	--	--	10 U	10 U	10 U	10 U	11 U	12 U	10 U	10 U	10 U
Dinoseb (DNBP)	µg/kg	--	6.1E+04	--	6.1E+04	20 U	21 U	21 U	21 U	21 U	23 U	3 J	21 U	20 U
MCPA	µg/kg	28,500	--	--	--	2,000 U	2,100 U	2,100 U	2,100 U	2,100 U	2,300 U	2,000 U	2,100 U	2,000 U
MCPP	µg/kg	--	6.1E+04	--	6.1E+04	2,000 U	2,100 U	2,100 U	2,100 U	2,100 U	2,300 U	2,000 U	2,100 U	2,000 U

J = estimated concentration

µg/kg = micrograms per kilogram

U = not detected (including not present because of blank contamination)

Table C.1-3: Analytical Restults, Parcel AG-3

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG3-HA1 0 feet bgs LJ019	AG3-HA1 2 feet bgs LJ020	AG3-HA1 4 feet bgs LJ021	AG3-HA2 0 feet bgs LJ014	AG3-HA2 2 feet bgs LJ015	AG3-HA2 4 feet bgs LJ016	AG3-HA3 0 feet bgs LJ017	AG3-HA3 2 feet bgs LJ018	AG3-HA4 0 feet bgs LJ022	AG3-HA4 0 feet bgs (dup) LJ023	AG3-HA4 2 feet bgs LJ024	AG3-HA4 4 feet bgs LJ025
Organochloride Pesticides																	
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	1 J	3.1 U	3.2 U	3.1 U	6	3	0.4 J	0.5 J	3.2 U	3.2 U	3.1 U	3.1 U
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	3 J	3.1 U	3.2 U	7.1	42	10	2 J	4	3.2 U	3.2 U	3.1 U	3.1 U
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	4	3.1 U	3.2 U	19	14	11	2 J	3 J	3.2 U	3.2 U	3.1 U	3.1 U
Aldrin	µg/kg	--	2.9E+01	2.9E+01	1.8E+03	1.9 U	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U	1.7 U	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U
Alpha-BHC	µg/kg	--	9.0E+01	9.0E+01	3.5E+04	1.9 U	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U	1.7 U	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	2	1 U	1.1 U	29	1.1 U	1 U	0.6 J	0.5 U	51	41	1 U	3.3
Beta-BHC	µg/kg	--	3.2E+02	3.2E+02	1.4E+04	1.9 U	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U	1.7 U	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U
Delta-BHC	µg/kg	--	--	--	--	1.9 U	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U	1.7 U	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	3.3 U	3.1 U	3.2 U	1 J	3.2 U	3.1 U	3 U	3.3 U	2 J	1 J	3.1 U	3.1 U
Endosulfan I	µg/kg	0.179	3.7E+05	--	3.7E+05	3.3 U	3.1 U	3.2 U	3.1 U	3.2 U	3.1 U	3 U	3.3 U	3.2 U	3.2 U	3.1 U	3.1 U
Endosulfan II	µg/kg	2.22	3.7E+05	--	3.7E+05	3.3 U	3.1 U	3.2 U	3.1 U	3.2 U	3.1 U	3 U	3.3 U	3.2 U	3.2 U	3.1 U	3.1 U
Endosulfan Sulfate	µg/kg	3.1	3.7E+05	--	1.8E+04	5.5 U	5.2 U	5.3 U	5.1 U	5.3 U	5.2 U	5 U	5.5 U	5.3 U	5.3 U	5.2 U	5.2 U
Endrin	µg/kg	2.22	1.8E+04	--	1.8E+04	3.3 U	3.1 U	3.2 U	3.1 U	3.2 U	3.1 U	3 U	3.3 U	3.2 U	3.2 U	3.1 U	3.1 U
Endrin Aldehyde	µg/kg	2.22	1.8E+04	--	1.8E+04	3.3 U	3.1 U	3.2 U	3.1 U	3.2 U	3.1 U	3 U	3.3 U	3.2 U	3.2 U	3.1 U	3.1 U
Endrin Ketone	µg/kg	--	1.8E+04	--	1.8E+04	3.3 U	3.1 U	3.2 U	3.1 U	3.2 U	3.1 U	3 U	3.3 U	3.2 U	3.2 U	3.1 U	3.1 U
Gamma-BHC (lindane)	µg/kg	--	4.4E+02	4.4E+02	2.1E+04	1.9 U	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U	1.7 U	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	3.4	1 U	1.1 U	25	1.1 U	1 U	0.8 J	0.2 J	52	42	1 U	2
Heptachlor	µg/kg	--	1.1E+02	1.1E+02	3.1E+04	1.9 U	1.8 U	1.8 U	1.7 U	1.8 U	1.8 U	1.7 U	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U
Heptachlor Epoxide	µg/kg	--	5.3E+01	5.3E+01	7.9E+02	1.9 U	1.8 U	1.8 U	1 J	1.8 U	1.8 U	1.7 U	1.9 U	1.8 U	1.8 U	1.8 U	1.8 U
Methoxychlor	µg/kg	--	3.1E+05	--	3.1E+05	11 U	10 U	11 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U	10 U	10 U
Toxaphene	µg/kg	--	4.4E+02	4.4E+02	--	110 U	100 U	110 U	100 U	110 U	100 U	100 U	110 U	110 U	110 U	100 U	100 U
Organophosphorus Pesticides						110 U	100 U	110 U	100 U	110 U	100 U	100 U	110 U	110 U	110 U	100 U	100 U
Azinphos Methyl	µg/kg	--	--	--	--	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Bolstar (sulprofos)	µg/kg	--	--	--	--	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Chlorpyrifos	µg/kg	--	1.8E+05	--	1.8E+05	110 U	100 U	110 U	100 U	110 U	100 U	100 U	110 U	110 U	110 U	100 U	100 U
Coumaphos	µg/kg	--	--	--	--	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Demeton-O	µg/kg	--	2.4E+03	--	2.4E+03	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Demeton-S	µg/kg	--	--	--	--	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Diazinon	µg/kg	--	5.5E+04	--	5.5E+04	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Dichlorvos	µg/kg	--	1.7E+03	1.7E+03	3.1E+04	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Disulfoton	µg/kg	--	2.4E+03	--	2.4E+03	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Ethoprop	µg/kg	--	--	--	--	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Fensulfothion	µg/kg	--	--	--	--	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Fenthion	µg/kg	--	--	--	--	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Merphos	µg/kg	--	1.8E+03	--	1.8E+03	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Methyl Parathion	µg/kg	--	1.5E+04	--	1.5E+04	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Mevinphos	µg/kg	--	--	--	--	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Naled	µg/kg	--	1.2E+05	--	1.2E+05	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Phorate	µg/kg	--	1.2E+04	--	1.2E+04	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Ronnel	µg/kg	--	3.1E+06	--	3.1E+06	55 U	52 U	53 U	51 U	53 U	52 U	50 U	55 U	53 U	53 U	52 U	52 U
Tetrachlorvinphos (stirophos)	µg/kg	--	2.0E+04	2.0E+04	1.8E+06	110 U	100 U	110 U	100 U	110 U	100 U	100 U	110 U	110 U	110 U	100 U	100 U
Tokuthion (prothiofos)	µg/kg	--	--	--	--	110 U	100 U	110 U	100 U	110 U	100 U	100 U	110 U	110 U	110 U	100 U	100 U
Trichloronate	µg/kg	--	--	--	--	11 U	10 U	11 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U	10 U	10 U
Chlorinated Herbicides						11 U	10 U	11 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U	10 U	10 U
2,4,5-T	µg/kg	--	6.1E+05	--	6.1E+05	11 U	10 U	11 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U	10 U	10 U
2,4,5-TP (silvex)	µg/kg	--	4.9E+05	--	4.9E+05	11 U	10 U	11 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U	10 U	10 U
2,4-D	µg/kg	--	6.9E+05	--	6.9E+05	11 U	10 U	11 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U	10 U	10 U
2,4-DB	µg/kg	--	4.9E+05	--	4.9E+05	22 U	21 U	21 U	21 U	21 U	21 U	20 U	22 U	21 U	21 U	21 U	21 U
Dalapon (dichloroacetic acid)	µg/kg	--	1.8E+06	--	1.8E+06	11 U	10 U	11 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U	10 U	10 U
Dicamba	µg/kg	--	--	--	--	11 U	10 U	11 U	10 U	11 U	10 U	10 U	11 U	11 U	11 U	10 U	10 U
Dichloroprop	µg/kg	67.2	--	--	--	22 U	21 U	21 U	21 U	21 U	21 U	20 U	22 U	21 U	21 U	21 U	21 U
Dinoseb (DNBP)	µg/kg	--	6.1E+04	--	6.1E+04	2,200 U	2,100 U	2,100 U	2,100 U	2,100 U	2,100 U	2,000 U	2,200 U	2,100 U	2,100 U	2,100 U	2,100 U
MCPA	µg/kg	28,500	--	--	--	2,200 U	2,100 U	2,100 U	2,100 U	2,100 U	2,100 U	2,000 U	2,200 U	2,100 U	2,100 U	2,100 U	2,100 U
MCPP	µg/kg	--	6.1E+04	--	6.1E+04												

µg/kg = micrograms per kilogram

U = not detected (including not prasent because of blank contamination)

Table C.1-4: Analytical Results, Parcel AG-4

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG4-HA1 0 feet bgs LJ008	AG4-HA1 2 feet bgs LJ009	AG4-HA1 4 feet bgs LJ010	AG4-HA2 0 feet bgs LJ004	AG4-HA2 2 feet bgs LJ005	AG4-HA2 4 feet bgs LJ006	AG4-HA3 0 feet bgs LJ001	AG4-HA3 2 feet bgs LJ002	AG4-HA3 4 feet bgs LJ003	AG4-HA4 0 feet bgs LJ011	AG4-HA4 0 feet bgs (dup) LJ012	AG4-HA4 2 feet bgs LJ013
Organochloride Pesticides																	
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	4	3.2 U	3.4 U	2 J	3.4 U	3.1 U	0.2 J	3.4 U	3.3 U	10	23	3
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	5	3.2 U	3.4 U	2 J	3.4 U	3.1 U	0.4 J	3.4 U	3.3 U	37	72	14
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	11	3.2 U	3.4 U	3 J	3.4 U	3.1 U	2 J	3.4 U	3.3 U	22	43	7.9
Aldrin	µg/kg	--	2.9E+01	2.9E+01	1.8E+03	1.7 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U
Alpha-BHC	µg/kg	--	9.0E+01	9.0E+01	3.5E+04	1.7 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	2	3.7	1 J
Beta-BHC	µg/kg	--	3.2E+02	3.2E+02	1.4E+04	1.7 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U
Delta-BHC	µg/kg	--	--	--	--	1.7 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	3 U	3.2 U	3.4 U	3.4 U	3.4 U	3.1 U	3.1 U	3.4 U	3.3 U	3.4 U	3.6 U	3.3 U
Endosulfan I	µg/kg	0.179	3.7E+05	--	3.7E+04	3 U	3.2 U	3.4 U	3.4 U	3.4 U	3.1 U	3.1 U	3.4 U	3.3 U	3.4 U	3.6 U	3.3 U
Endosulfan II	µg/kg	2.22	3.7E+05	--	3.7E+05	3 U	3.2 U	3.4 U	3.4 U	3.4 U	3.1 U	3.1 U	3.4 U	3.3 U	3.4 U	3.6 U	3.3 U
Endosulfan Sulfate	µg/kg	3.1	3.7E+05	--	3.7E+05	5 U	5.3 U	5.6 U	5.6 U	5.7 U	5.2 U	5.2 U	5.7 U	5.6 U	5.7 U	5.9 U	5.5 U
Endrin	µg/kg	2.22	1.8E+04	--	1.8E+04	3 U	3.2 U	3.4 U	3.4 U	3.4 U	3.1 U	3.1 U	3.4 U	3.3 U	3.4 U	3.6 U	3.3 U
Endrin Aldehyde	µg/kg	2.22	1.8E+04	--	1.8E+04	3 U	3.2 U	3.4 U	3.4 U	3.4 U	3.1 U	3.1 U	3.4 U	3.3 U	3.4 U	3.6 U	3.3 U
Endrin Ketone	µg/kg	--	1.8E+04	--	1.8E+04	3 U	3.2 U	3.4 U	3.4 U	3.4 U	3.1 U	3.1 U	3.4 U	3.3 U	3.4 U	3.6 U	3.3 U
Gamma-BHC (lindane)	µg/kg	--	4.4E+02	4.4E+02	2.1E+04	1.7 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	2	1.1 U	1.1 U	1.1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1 J	2	0.5 J
Heptachlor	µg/kg	--	1.1E+02	1.1E+02	3.1E+04	1.7 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U
Heptachlor Epoxide	µg/kg	--	5.3E+01	5.3E+01	7.9E+02	1.7 U	1.8 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U
Methoxychlor	µg/kg	--	3.1E+05	--	3.1E+05	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 U	11 U	12 U	11 U
Toxaphene	µg/kg	--	4.4E+02	4.4E+02	--	100 U	110 U	110 U	110 U	110 U	100 U	100 U	110 U	110 U	110 U	120 U	110 U
Organophosphorus Pesticides																	
Azinphos Methyl	µg/kg	--	--	--	--	400 U	110 U	110 U	110 U	110 U	100 U	100 U	110 U	110 U	110 U	120 U	110 U
Bolstar (sulprofos)	µg/kg	--	--	--	--	200 U	53 U	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Chlorpyrifos	µg/kg	--	1.8E+05	--	1.8E+05	200 U	53 U	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Coumaphos	µg/kg	--	--	--	--	400 U	110 U	110 U	110 U	110 U	100 U	100 U	110 U	110 U	110 U	120 U	110 U
Demeton-O	µg/kg	--	2.4E+03	--	2.4E+03	200 U	53 U	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Demeton-S	µg/kg	--	--	--	--	200 U	53 U	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Diazinon	µg/kg	--	5.5E+04	--	5.5E+04	200 U	53 U	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Dichlorvos	µg/kg	--	1.7E+03	1.7E+03	3.1E+04	200 U	53 U	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Disulfoton	µg/kg	--	2.4E+03	--	2.4E+03	200 U	53 U	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Ethoprop	µg/kg	--	--	--	--	200 U	53 U	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Fensulfothion	µg/kg	--	--	--	--	200 U	53 U	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Fenthion	µg/kg	--	1.8E+03	--	1.8E+03	200 U	53 U	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Merphos	µg/kg	--	1.5E+04	--	1.5E+04	200 U	53 U	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Methyl Parathion	µg/kg	--	--	--	--	200 U	53 U	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Mevinphos	µg/kg	--	1.2E+05	--	1.2E+05	200 U	53 UJ	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Naled	µg/kg	--	1.2E+04	--	1.2E+04	200 U	53 U	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Phorate	µg/kg	--	3.1E+06	--	3.1E+06	200 U	53 U	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Ronnel	µg/kg	--	2.0E+04	2.0E+04	1.8E+06	200 U	53 U	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Tetrachlorvinphos (stirophos)	µg/kg	--	--	--	--	400 U	110 U	110 U	110 U	110 U	100 U	100 U	110 U	110 U	110 U	120 U	110 U
Tokuthion (prothiofos)	µg/kg	--	--	--	--	400 U	110 U	110 U	110 U	110 U	100 U	100 U	110 U	110 U	110 U	120 U	110 U
Trichloronate	µg/kg	--	--	--	--	200 U	53 U	56 U	56 U	57 U	52 U	52 U	57 U	56 U	57 U	59 U	55 U
Chlorinated Herbicides																	
2,4,5-T	µg/kg	--	6.1E+05	--	6.1E+05	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 U	11 U	12 U	11 U
2,4,5-TP (silvex)	µg/kg	--	4.9E+05	--	4.9E+05	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 U	11 U	12 U	11 U
2,4-D	µg/kg	--	6.9E+05	--	6.9E+05	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 U	11 U	12 U	11 U
2,4-DB	µg/kg	--	4.9E+05	--	4.9E+05	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 U	11 U	12 U	11 U
Dalapon (dichloroacetic acid)	µg/kg	--	1.8E+06	--	1.8E+06	20 U	21 U	22 U	22 U	23 U	21 U	21 U	23 U	22 U	23 U	24 U	22 U
Dicamba	µg/kg	--	--	--	--	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 U	11 U	12 U	11 U
Dichloroprop	µg/kg	67.2	--	--	--	10 U	11 U	11 U	11 U	11 U	10 U	10 U	11 U	11 U	11 U	12 U	11 U
Dinoseb (DNBP)	µg/kg	--	6.1E+04	--	6.1E+04	20 U	21 U	22 U	22 U	23 U	21 U	21 U	23 U	22 U	23 U	24 U	22 U
MCPA	µg/kg	28,500	--	--	--	2,000 U	2,100 U	2,200 U	2,200 U	2,300 U	2,100 U	2,100 U	2,300 U	2,200 U	2,300 U	2,400 U	2,200 U
MCPP	µg/kg	--	6.1E+04	--	6.1E+04	2,000 U	2,100 U	2,200 U	2,200 U	2,300 U	2,100 U	2,100 U	2,300 U	2,200 U	2,300 U	2,400 U	2,200 U

µg/kg = micrograms per kilogram

U = not detected (including not present because of blank contamination)

Table C.1-5: Analytical Results, Parcel AG-5

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG5-HA1 0 feet bgs LJ046	AG5-HA1 2 feet bgs LJ047	AG5-HA1 4 feet bgs LJ048	AG5-HA2 0 feet bgs LJ042	AG5-HA2 0 feet bgs (dup) LJ043	AG5-HA2 2 feet bgs LJ044	AG5-HA2 4 feet bgs LJ045	AG5-HA3 0 feet bgs LJ049	AG5-HA3 0 feet bgs (dup) LJ050	AG5-HA3 2 feet bgs LJ051	AG5-HA3 4 feet bgs LJ052
Organochloride Pesticides																
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	3.9 U	3.4 U	3.5 U	3.2 U	3.2 U	3.2 U	3.7 U	2 U	3 J	3.2 U	3.4 U
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	0.9 J	3.4 U	3.5 U	3.2 U	3.2 U	3.2 U	3.7 U	9.8 U	8 J	0.4 J	3.4 U
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	1 J	3.4 U	0.5 J	3.2 U	3.2 U	3.2 U	3.7 U	7 U	6 J	3.2 U	3.4 U
Aldrin	µg/kg	--	2.9E+01	2.9E+01	1.8E+03	2.2 U	1.9 U	2 U	1.8 U	1.8 U	1.8 U	2.1 U	2.3 U	2.2 UJ	1.8 U	1.9 U
Alpha-BHC	µg/kg	--	9.0E+01	9.0E+01	3.5E+04	2.2 U	1.9 U	2 U	1.8 U	1.8 U	1.8 U	2.1 U	2.3 U	2.2 UJ	1.8 U	1.9 U
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	1.3 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.3 U	1.3 UJ	1.1 U	1.1 U
Beta-BHC	µg/kg	--	3.2E+02	3.2E+02	1.4E+04	2.2 U	1.9 U	2 U	1.8 U	1.8 U	1.8 U	2.1 U	2.3 U	2.2 UJ	1.8 U	1.9 U
Delta-BHC	µg/kg	--	--	--	--	2.2 U	1.9 U	2 U	1.8 U	1.8 U	1.8 U	2.1 U	2.3 U	2.2 UJ	1.8 U	1.9 U
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	3.9 U	3.4 U	3.5 U	3.2 U	3.2 U	3.2 U	3.7 U	4 U	0.4 J	3.2 U	3.4 U
Endosulfan I	µg/kg	0.179	3.7E+05	--	3.7E+05	3.9 U	3.4 U	3.5 U	3.2 U	3.2 U	3.2 U	3.7 U	4 U	3.9 UJ	3.2 U	3.4 U
Endosulfan II	µg/kg	2.22	3.7E+05	--	3.7E+05	3.9 U	3.4 U	3.5 U	3.2 U	3.2 U	3.2 U	3.7 U	4 U	3.9 UJ	3.2 U	3.4 U
Endosulfan Sulfate	µg/kg	3.1	3.7E+05	--	3.7E+05	6.6 U	5.6 U	5.8 U	5.4 U	5.4 U	5.4 U	6.1 U	6.7 U	6.4 UJ	5.4 U	5.7 U
Endrin	µg/kg	2.22	1.8E+04	--	1.8E+04	3.9 U	3.4 U	3.5 U	3.2 U	3.2 U	3.2 U	3.7 U	4 U	3.9 UJ	3.2 U	3.4 U
Endrin Aldehyde	µg/kg	2.22	1.8E+04	--	1.8E+04	3.9 U	3.4 U	3.5 U	3.2 U	3.2 U	3.2 U	3.7 U	4 U	3.9 UJ	3.2 U	3.4 U
Endrin Ketone	µg/kg	--	1.8E+04	--	1.8E+04	3.9 U	3.4 U	3.5 U	3.2 U	3.2 U	3.2 U	3.7 U	4 U	3.9 UJ	3.2 U	3.4 U
Gamma-BHC (lindane)	µg/kg	--	4.4E+02	4.4E+02	2.1E+04	2.2 U	1.9 U	2 U	1.8 U	1.8 U	1.8 U	2.1 U	2.3 U	2.2 UJ	1.8 U	1.9 U
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	1.3 U	1.1 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	1.3 U	1.3 UJ	1.1 U	1.1 U
Heptachlor	µg/kg	--	1.1E+02	1.1E+02	3.1E+04	2.2 U	1.9 U	2 U	1.8 U	1.8 U	1.8 U	2.1 U	2.3 U	2.2 UJ	1.8 U	1.9 U
Heptachlor Epoxide	µg/kg	--	5.3E+01	5.3E+01	7.9E+02	2.2 U	1.9 U	2 U	1.8 U	1.8 U	1.8 U	2.1 U	2.3 U	2.2 UJ	1.8 U	1.9 U
Methoxychlor	µg/kg	--	3.1E+05	--	3.1E+05	13 U	11 U	12 U	11 U	11 U	11 U	12 U	1 U	1 J	11 U	11 U
Toxaphene	µg/kg	--	4.4E+02	4.4E+02	--	130 U	110 U	120 U	110 U	110 U	110 U	120 U	130 U	130 UJ	110 U	110 U
Organophosphorus Pesticides						130 U	110 U	120 U	110 U	110 U	110 U	120 U	130 U	130 U	110 U	110 U
Azinphos Methyl	µg/kg	--	--	--	--	66 U	56 U	58 U	54 U	54 U	54 U	61 U	67 U	64 U	54 U	57 U
Bolstar (sulprofos)	µg/kg	--	--	--	--	66 U	56 U	58 U	54 U	54 U	54 U	61 U	67 U	64 U	54 U	57 U
Chlorpyrifos	µg/kg	--	1.8E+05	--	1.8E+05	130 U	110 U	120 U	110 U	110 U	110 U	120 U	130 U	130 U	110 U	110 U
Coumaphos	µg/kg	--	--	--	--	66 U	56 UJ	58 UJ	54 U	54 U	54 U	61 U	67 UJ	64 UJ	54 UJ	57 UJ
Demeton-O	µg/kg	--	2.4E+03	--	2.4E+03	66 UJ	56 U	58 U	54 U	54 U	54 U	61 U	67 U	64 U	54 U	57 U
Demeton-S	µg/kg	--	--	--	--	66 U	56 U	58 U	54 U	54 U	54 U	61 U	67 U	64 U	54 U	57 U
Diazinon	µg/kg	--	5.5E+04	--	5.5E+04	66 U	56 U	58 U	54 U	54 U	54 U	61 U	67 U	64 U	54 U	57 U
Dichlorvos	µg/kg	--	1.7E+03	1.7E+03	3.1E+04	66 U	56 U	58 U	54 U	54 U	54 U	61 U	67 U	64 U	54 U	57 U
Disulfoton	µg/kg	--	2.4E+03	--	2.4E+03	66 U	56 U	58 U	54 U	54 U	54 U	61 U	67 U	64 U	54 U	57 U
Ethoprop	µg/kg	--	--	--	--	66 U	56 U	58 U	54 U	54 U	54 U	61 U	67 U	64 U	54 U	57 U
Fensulfothion	µg/kg	--	--	--	--	66 U	56 U	58 U	54 U	54 U	54 U	61 U	67 U	64 U	54 U	57 U
Fenthion	µg/kg	--	--	--	--	66 U	56 U	58 U	54 U	54 U	54 U	61 U	67 U	64 U	54 U	57 U
Merphos	µg/kg	--	1.8E+03	--	1.8E+03	66 U	56 U	58 U	54 U	54 U	54 U	61 U	67 U	64 U	54 U	57 U
Methyl Parathion	µg/kg	--	1.5E+04	--	1.5E+04	66 U	56 U	58 U	54 U	54 U	54 U	61 U	67 U	64 U	54 U	57 U
Mevinphos	µg/kg	--	--	--	--	66 U	56 U	58 U	54 U	54 U	54 U	61 U	67 U	64 U	54 U	57 U
Naled	µg/kg	--	1.2E+05	--	1.2E+05	66 U	56 U	58 U	54 U	54 U	54 U	61 U	67 U	64 U	54 U	57 U
Phorate	µg/kg	--	1.2E+04	--	1.2E+04	66 U	56 U	58 U	54 U	54 U	54 U	61 U	67 U	64 U	54 U	57 U
Ronnel	µg/kg	--	3.1E+06	--	3.1E+06	66 U	56 U	58 U	54 U	54 U	54 U	61 U	67 U	64 U	54 U	57 U
Tetrachlorvinphos (stirophos)	µg/kg	--	2.0E+04	2.0E+04	1.8E+06	130 U	110 U	120 U	110 U	110 U	110 U	120 U	130 U	130 U	110 U	110 U
Tokuthion (prothiofos)	µg/kg	--	--	--	--	130 U	110 U	120 U	110 U	110 U	110 U	120 U	130 U	130 U	110 U	110 U
Trichloronate	µg/kg	--	--	--	--	13 U	11 U	12 U	11 U	11 U	11 U	12 U	13 U	13 U	11 U	11 U
Chlorinated Herbicides						13 U	11 U	12 U	11 U	11 U	11 U	12 U	13 U	13 U	11 U	11 U
2,4,5-T	µg/kg	--	6.1E+05	--	6.1E+05	13 U	11 U	12 U	11 U	11 U	11 U	12 U	13 U	13 U	11 U	11 U
2,4,5-TP (silvex)	µg/kg	--	4.9E+05	--	4.9E+05	13 U	11 U	12 U	11 U	11 U	11 U	12 U	13 U	13 U	11 U	11 U
2,4-D	µg/kg	--	6.9E+05	--	6.9E+05	13 U	11 U	12 U	11 U	11 U	11 U	12 U	13 U	13 U	11 U	11 U
2,4-DB	µg/kg	--	4.9E+05	--	4.9E+05	26 U	22 U	23 U	21 U	21 U	22 U	25 U	27 U	26 U	22 U	23 U
Dalapon (dichloroacetic acid)	µg/kg	--	1.8E+06	--	1.8E+06	13 U	11 U	12 U	11 U	11 U	11 U	12 U	13 U	13 U	11 U	11 U
Dicamba	µg/kg	--	--	--	--	13 U	11 U	12 U	11 U	11 U	11 U	12 U	13 U	13 U	11 U	11 U
Dichloroprop	µg/kg	67.2	--	--	--	26 U	22 U	23 U	21 U	21 U	22 U	25 U	27 U	26 U	22 U	23 U
Dinoseb (DNBP)	µg/kg	--	6.1E+04	--	6.1E+04	2,600 U	2,200 U	2,300 U	2,100 U	2,100 U	2,200 U	2,500 U	2,700 U	2,600 U	2,200 U	2,300 U
MCPA	µg/kg	28,500	--	--	--	2,600 U	2,200 U	2,300 U	2,100 U	2,100 U	2,200 U	2,500 U	2,700 U	2,600 U	2,200 U	2,300 U
MCPP	µg/kg	--	6.1E+04	--	6.1E+04											

J = estimated concentration

µg/kg = micrograms per kilogram

U = not detected (including not present because of blank contamination)

Table C.1-6: Analytical Results, Parcel AG-6

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG6-HA1 0 feet bgs LJ039	AG6-HA1 2 feet bgs LJ040	AG6-HA1 4 feet bgs LJ041	AG6-HA2 0 feet bgs LJ032	AG6-HA2 0 feet bgs (dup) LJ033	AG6-HA2 2 feet bgs LJ034	AG6-HA2 4 feet bgs LJ035	AG6-HA3 0 feet bgs LJ036	AG6-HA3 2 feet bgs LJ037	AG6-HA3 4 feet bgs LJ038
Organochloride Pesticides															
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	3.2 U	4	3.4 U	3.9 U	4 U	3.6 U	3.5 U	3 J	4	3.5 U
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	0.7 J	32	3.4 U	5	8.3	3.6 U	3.5 U	13	54	6
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	3.2 U	3.4 U	3.4 U	3.9 U	4 U	3.6 U	3.5 U	0.9 J	0.6 J	3.5 U
Aldrin	µg/kg	--	2.9E+01	2.9E+01	1.8E+03	1.8 U	1.9 U	1.9 UJ	2.2 U	2.2 U	2 U	2 U	1.9 U	1.9 U	2 U
Alpha-BHC	µg/kg	--	9.0E+01	9.0E+01	3.5E+04	1.8 U	1.9 U	1.9 UJ	2.2 U	2.2 U	2 U	2 U	1.9 U	1.9 U	2 U
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	1.1 U	4.8	1.1 U	1.3 U	1.3 U	1.2 U	1.2 U	1.1 U	2	1.2 U
Beta-BHC	µg/kg	--	3.2E+02	3.2E+02	1.4E+04	1.8 U	1.9 U	1.9 UJ	2.2 U	2.2 U	2 U	2 U	1.9 U	1.9 U	2 U
Delta-BHC	µg/kg	--	--	--	--	1.8 U	1.9 U	1.9 UJ	2.2 U	2.2 U	2 U	2 U	1.9 U	1.9 U	2 U
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	3.2 U	3.4 U	3.4 UJ	3.9 U	4 U	3.6 U	3.5 U	3.4 U	3.4 U	3.5 U
Endosulfan I	µg/kg	0.179	3.7E+05	--	3.7E+05	3.2 U	3.4 U	3.4 U	3.9 U	4 U	3.6 U	3.5 U	3.4 U	3.4 U	3.5 U
Endosulfan II	µg/kg	2.22	3.7E+05	--	3.7E+05	3.2 U	3.4 U	3.4 UJ	3.9 U	4 U	3.6 U	3.5 U	3.4 U	3.4 U	3.5 U
Endosulfan Sulfate	µg/kg	3.1	3.7E+05	--	3.7E+05	5.4 U	5.7 U	5.6 U	6.6 U	6.6 U	5.9 U	5.9 U	5.7 U	5.6 U	5.8 U
Endrin	µg/kg	2.22	1.8E+04	--	1.8E+04	3.2 U	3.4 U	3.4 U	3.9 U	4 U	3.6 U	3.5 U	3.4 U	3.4 U	3.5 U
Endrin Aldehyde	µg/kg	2.22	1.8E+04	--	1.8E+04	3.2 U	3.4 U	3.4 U	3.9 U	0.7 J	3.6 U	3.5 U	3.4 U	3.4 U	3.5 U
Endrin Ketone	µg/kg	--	1.8E+04	--	1.8E+04	3.2 U	3.4 U	3.4 U	3.9 U	4 U	3.6 U	3.5 U	3.4 U	3.4 U	3.5 U
Gamma-BHC (lindane)	µg/kg	--	4.4E+02	4.4E+02	2.1E+04	1.8 U	1.9 U	1.9 UJ	2.2 U	2.2 U	2 U	2 U	1.9 U	1.9 U	2 U
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	1.1 U	3.7	1.1 U	1.3 U	1.3 U	1.2 U	1.2 U	1.1 U	2	1.2 U
Heptachlor	µg/kg	--	1.1E+02	1.1E+02	3.1E+04	1.8 U	1.9 U	1.9 U	2.2 U	2.2 U	2 U	2 U	1.9 U	1.9 U	2 U
Heptachlor Epoxide	µg/kg	--	5.3E+01	5.3E+01	7.9E+02	1.8 U	1.9 U	1.9 U	2.2 U	2.2 U	2 U	2 U	1.9 U	1.9 U	2 U
Methoxychlor	µg/kg	--	3.1E+05	--	3.1E+05	11 U	11 U	11 U	13 U	2 J	12 U	12 U	11 U	11 U	12 U
Toxaphene	µg/kg	--	4.4E+02	4.4E+02	--	110 U	110 U	110 U	130 U	130 U	120 U	120 U	110 U	110 U	120 U
Organophosphorus Pesticides															
Azinphos Methyl	µg/kg	--	--	--	--	110 U	110 U	110 U	130 U	130 U	120 U	120 U	110 U	110 U	120 U
Bolstar (sulprofos)	µg/kg	--	--	--	--	54 U	57 U	56 U	66 U	66 U	59 U	59 U	57 U	56 U	58 U
Chlorpyrifos	µg/kg	--	1.8E+05	--	1.8E+05	54 U	57 U	56 U	66 U	66 U	59 U	59 U	43 U	56 U	58 U
Coumaphos	µg/kg	--	--	--	--	110 U	110 U	110 U	130 U	130 U	120 U	120 U	110 U	110 U	120 U
Demeton-O	µg/kg	--	2.4E+03	--	2.4E+03	54 U	57 U	56 U	66 U	66 U	59 U	59 U	57 U	56 U	58 U
Demeton-S	µg/kg	--	--	--	--	54 U	57 U	56 U	66 U	66 U	59 U	59 U	57 U	56 U	58 U
Diazinon	µg/kg	--	5.5E+04	--	5.5E+04	54 U	57 U	56 U	66 U	66 U	59 U	59 U	57 U	56 U	58 U
Dichlorvos	µg/kg	--	1.7E+03	1.7E+03	3.1E+04	54 U	57 U	56 U	66 U	66 U	59 U	59 U	57 U	56 U	58 U
Disulfoton	µg/kg	--	2.4E+03	--	2.4E+03	54 U	57 U	56 U	66 U	66 U	59 U	59 U	57 U	56 U	58 U
Ethoprop	µg/kg	--	--	--	--	54 U	57 U	56 U	66 U	66 U	59 U	59 U	57 U	56 U	58 U
Fensulfothion	µg/kg	--	--	--	--	54 U	57 U	56 U	66 U	66 U	59 U	59 U	57 U	56 U	58 U
Fenthion	µg/kg	--	--	--	--	54 U	57 U	56 U	66 U	66 U	59 U	59 U	57 U	56 U	58 U
Merphos	µg/kg	--	1.8E+03	--	1.8E+03	54 U	57 U	56 U	66 U	66 U	59 U	59 U	57 U	56 U	58 U
Methyl Parathion	µg/kg	--	1.5E+04	--	1.5E+04	54 U	57 U	56 U	66 U	66 U	59 U	59 U	57 U	56 U	58 U
Mevinphos	µg/kg	--	--	--	--	54 U	57 U	56 U	66 U	66 U	59 U	59 U	57 U	56 U	58 U
Naled	µg/kg	--	1.2E+05	--	1.2E+05	54 U	57 U	56 U	66 U	66 U	59 U	59 U	57 U	56 U	58 U
Phorate	µg/kg	--	1.2E+04	--	1.2E+04	54 U	57 U	56 U	66 U	66 U	59 U	59 U	57 U	56 U	58 U
Ronnel	µg/kg	--	3.1E+06	--	3.1E+06	54 U	57 U	56 U	66 U	66 U	59 U	59 U	57 U	56 U	58 U
Tetrachlorvinphos (stirophos)	µg/kg	--	2.0E+04	2.0E+04	1.8E+06	110 U	110 U	110 U	130 U	130 U	120 U	120 U	110 U	110 U	120 U
Tokuthion (prothiofos)	µg/kg	--	--	--	--	110 U	110 U	110 U	130 U	130 U	120 U	120 U	110 U	110 U	120 U
Trichloronate	µg/kg	--	--	--	--										
Chlorinated Herbicides															
2,4,5-T	µg/kg	--	6.1E+05	--	6.1E+05	11 U	11 U	11 U	13 U	13 U	12 U	12 U	11 U	11 U	12 U
2,4,5-TP (silvex)	µg/kg	--	4.9E+05	--	4.9E+05	11 U	11 U	11 U	13 U	13 U	12 U	12 U	11 U	11 U	12 U
2,4-D	µg/kg	--	6.9E+05	--	6.9E+05	11 U	11 U	11 U	13 U	13 U	12 U	12 U	11 U	11 U	12 U
2,4-DB	µg/kg	--	4.9E+05	--	4.9E+05	11 U	11 U	11 U	13 U	13 U	12 U	12 U	11 U	11 U	12 U
Dalapon (dichloroacetic acid)	µg/kg	--	1.8E+06	--	1.8E+06	22 U	23 U	23 U	26 U	26 U	24 U	24 U	23 U	22 U	23 U
Dicamba	µg/kg	--	--	--	--	11 U	11 U	11 U	13 U	13 U	12 U	12 U	11 U	11 U	12 U
Dichloroprop	µg/kg	67.2	--	--	--	11 U	11 U	11 U	13 U	13 U	12 U	12 U	11 U	11 U	12 U
Dinoseb (DNBP)	µg/kg	--	6.1E+04	--	6.1E+04	22 U	23 U	23 U	26 U	26 U	24 U	24 U	23 U	22 U	23 U
MCPA	µg/kg	28,500	--	--	--	2,200 U	2,300 U	2,300 U	2,600 U	2,600 U	2,400 U	2,400 U	2,300 U	2,200 U	2,300 U
MCPP	µg/kg	--	6.1E+04	--	6.1E+04	2,200 U	2,300 U	2,300 U	2,600 U	2,600 U	2,400 U	2,400 U	2,300 U	2,200 U	2,300 U

µg/kg = micrograms per kilogram

U = not detected (including not present because of blank contamination)

Table C.1-7: Analytical Results, Parcel AG-7

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG7-HA1 1 foot bgs LJ030	AG7-HA1 4 feet bgs LJ031	AG7-HA2 1 foot bgs LJ028	AG7-HA2 4 feet bgs LJ029	AG7-HA3 1 foot bgs LJ026	AG7-HA3 4 feet bgs LJ027
Organochloride Pesticides											
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	56	3.5 U	9.7	3.3 U	26	3.4 U
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	192	0.4 J	66	3 J	90	1 J
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	137	3.5 U	22	0.7 J	56	0.4 J
Aldrin	µg/kg	--	2.9E+01	2.9E+01	1.8E+03	2 U	2 U	1.8 U	1.9 U	1.9 U	1.9 U
Alpha-BHC	µg/kg	--	9.0E+01	9.0E+01	3.5E+04	2 U	2 U	1.8 U	1.9 U	1.9 U	1.9 U
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	8.5	1.2 U	1	1.1 U	5.2	1.1 U
Beta-BHC	µg/kg	--	3.2E+02	3.2E+02	1.4E+04	2 U	2 U	1.8 U	1.9 U	1.9 U	1.9 U
Delta-BHC	µg/kg	--	--	--	--	2 U	2 U	1.8 U	1.9 U	1.9 U	1.9 U
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	5	3.5 U	2 J	3.3 U	6	3.4 U
Endosulfan I	µg/kg	0.179	3.7E+05	--	3.7E+05	3.6 U	3.5 U	3.2 U	3.3 U	3.3 U	3.4 U
Endosulfan II	µg/kg	2.22	3.7E+05	--	3.7E+05	3.6 U	3.5 U	3.2 U	3.3 U	3.3 U	3.4 U
Endosulfan Sulfate	µg/kg	3.1	3.7E+05	--	3.7E+05	15	5.9 U	5.4 U	5.5 U	7	5.6 U
Endrin	µg/kg	2.22	1.8E+04	--	1.8E+04	3.6 U	3.5 U	3.2 U	3.3 U	3.3 U	3.4 U
Endrin Aldehyde	µg/kg	2.22	1.8E+04	--	1.8E+04	9	3.5 U	3.2 U	3.3 U	4	3.4 U
Endrin Ketone	µg/kg	--	1.8E+04	--	1.8E+04	3.6 U	3.5 U	3.2 U	3.3 U	3.3 U	3.4 U
Gamma-BHC (lindane)	µg/kg	--	4.4E+02	4.4E+02	2.1E+04	2 U	2 U	1.8 U	1.9 U	1.9 U	1.9 U
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	4.9	1.2 U	0.4 J	1.1 U	2	1.1 U
Heptachlor	µg/kg	--	1.1E+02	1.1E+02	3.1E+04	2 U	2 U	1.8 U	1.9 U	1.9 U	1.9 U
Heptachlor Epoxide	µg/kg	--	5.3E+01	5.3E+01	7.9E+02	2 J	2 U	1.8 U	1.9 U	1.9 U	1.9 U
Methoxychlor	µg/kg	--	3.1E+05	--	3.1E+05	12 U	12 U	11 U	11 U	11 U	11 U
Toxaphene	µg/kg	--	4.4E+02	4.4E+02	--	120 U	120 U	110 U	110 U	110 U	110 U
Organophosphorus Pesticides											
Azinphos Methyl	µg/kg	--	--	--	--	120 U	120 U	110 U	110 U	110 U	110 U
Bolstar (sulprofos)	µg/kg	--	--	--	--	59 U	59 U	54 U	55 U	56 U	56 U
Chlorpyrifos	µg/kg	--	1.8E+05	--	1.8E+05	59 U	59 U	54 U	55 U	56 U	56 U
Coumaphos	µg/kg	--	--	--	--	120 U	120 U	110 U	110 U	110 U	110 U
Demeton-O	µg/kg	--	2.4E+03	--	2.4E+03	59 U	59 U	54 U	55 U	56 U	56 U
Demeton-S	µg/kg	--	--	--	--	59 U	59 U	54 U	55 U	56 U	56 U
Diazinon	µg/kg	--	5.5E+04		5.5E+04	59 U	59 U	54 U	55 U	56 U	56 U
Dichlorvos	µg/kg	--	1.7E+03	1.7E+03	3.1E+04	59 U	59 U	54 U	55 U	56 U	56 U
Disulfoton	µg/kg	--	2.4E+03	--	2.4E+03	59 U	59 U	54 U	55 U	56 U	56 U
Ethoprop	µg/kg	--	--	--	--	59 U	59 U	54 U	55 U	56 U	56 U
Fensulfothion	µg/kg	--	--	--	--	59 U	59 U	54 U	55 U	56 U	56 U
Fenthion	µg/kg	--	--	--	--	59 U	59 U	54 U	55 U	56 U	56 U
Merphos	µg/kg	--	1.8E+03	--	1.8E+03	59 U	59 U	54 U	55 U	56 U	56 U
Methyl Parathion	µg/kg	--	1.5E+04	--	1.5E+04	59 U	59 U	54 U	55 U	56 U	56 U
Mevinphos	µg/kg	--	--	--		59 U	59 U	54 U	55 U	56 U	56 U
Naled	µg/kg	--	1.2E+05	--	1.2E+05	59 U	59 U	54 U	55 U	56 U	56 U
Phorate	µg/kg	--	1.2E+04	--	1.2E+04	59 U	59 U	54 U	55 U	56 U	56 U
Ronnel	µg/kg	--	3.1E+06	--	3.1E+06	59 U	59 U	54 U	55 U	56 U	56 U
Tetrachlorvinphos (stirophos)	µg/kg	--	2.0E+04	2.0E+04	1.8E+06	59 U	59 U	54 U	55 U	56 U	56 U
Tokuthion (prothiofos)	µg/kg	--	--	--	--	120 U	120 U	110 U	110 U	110 U	110 U
Trichloronate	µg/kg	--	--	--	--	120 U	120 U	110 U	110 U	110 U	110 U
Chlorinated Herbicides											
2,4,5-T	µg/kg	--	6.1E+05	--	6.1E+05	12 U	12 U	11 U	11 U	11 U	11 U
2,4,5-TP (silvex)	µg/kg	--	4.9E+05	--	4.9E+05	12 U	12 U	11 U	11 U	11 U	11 U
2,4-D	µg/kg	--	6.9E+05	--	6.9E+05	12 U	12 U	11 U	11 U	11 U	11 U
2,4-DB	µg/kg	--	4.9E+05	--	4.9E+05	12 U	12 U	11 U	11 U	11 U	11 U
Dalapon (dichloroacetic acid)	µg/kg	--	1.8E+06	--	1.8E+06	24 U	24 U	22 U	22 U	22 U	23 U
Dicamba	µg/kg	--	--	--	--	12 U	12 U	11 U	11 U	11 U	11 U
Dichloroprop	µg/kg	67.2	--	--	--	12 U	12 U	11 U	11 U	11 U	11 U
Dinoseb (DNBP)	µg/kg	--	6.1E+04	--	6.1E+04	24 U	24 U	22 U	22 U	22 U	23 U
MCPA	µg/kg	28,500	--	--	--	2,400 U	2,400 U	2,200 U	2,200 U	2,200 U	2,300 U
MCPP	µg/kg	--	6.1E+04	--	6.1E+04	2,400 U	2,400 U	2,200 U	2,200 U	2,200 U	2,300 U

µg/kg = micrograms per kilogram

U = not detected (including not present because of blank contamination)

Table C.1-8: Analytical Results, Parcel AG-8

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG8-HA1 1 foot bgs LJ078	AG8-HA1 4 feet bgs LJ079	AG8-HA2 1 foot bgs LJ083	AG8-HA2 4 feet bgs LJ084	AG8-HA3 1 foot bgs LJ080	AG8-HA3 1 foot bgs LJ081	AG8-HA3 4 feet bgs LJ082
Organochloride Pesticides												
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	4	3.1 U	4	3.4 U	3	3.6 U	3.5 U
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	11	3.1 U	3 J	0.7 J	4	1 J	3.5 U
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	2 J	3.1 U	0.5 J	0.3 U	0.5 J	3.6 U	3.5 U
Aldrin	µg/kg	--	2.9E+01	2.9E+01	1.8E+03	1.9 U	1.8 U	2.1 U	1.9 U	1.9 U	2.1 U	2 U
Alpha-BHC	µg/kg	--	9.0E+01	9.0E+01	3.5E+04	1.9 U	1.8 U	2.1 U	1.9 U	1.9 U	2.1 U	2 U
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	0.7 J	1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U
Beta-BHC	µg/kg	--	3.2E+02	3.2E+02	1.4E+04	1.9 U	1.8 U	2.1 U	1.9 U	1.9 U	2.1 U	2 U
Delta-BHC	µg/kg	--	--	--	--	1.9 U	1.8 U	2.1 U	1.9 U	1.9 U	2.1 U	2 U
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	3.4 U	3.1 U	3.7 U	3.4 U	3.4 U	3.6 U	3.5 U
Endosulfan I	µg/kg	0.179	3.7E+05	--	3.7E+05	3.4 U	3.1 U	3.7 U	3.4 U	3.4 U	3.6 U	3.5 U
Endosulfan II	µg/kg	2.22	3.7E+05	--	3.7E+05	3.4 U	3.1 U	3.7 U	3.4 U	3.4 U	3.6 U	3.5 U
Endosulfan Sulfate	µg/kg	3.1	3.7E+05	--	3.7E+05	5.6 U	5.2 U	6.1 U	5.6 U	5.7 U	6 U	5.8 U
Endrin	µg/kg	2.22	1.8E+04	--	1.8E+04	3.4 U	3.1 U	3.7 U	3.4 U	3.4 U	3.6 U	3.5 U
Endrin Aldehyde	µg/kg	2.22	1.8E+04	--	1.8E+04	3.4 U	3.1 U	3.7 U	3.4 U	3.4 U	3.6 U	3.5 U
Endrin Ketone	µg/kg	--	1.8E+04	--	1.8E+04	3.4 U	3.1 U	3.7 U	3.4 U	3.4 U	3.6 U	3.5 U
Gamma-BHC (lindane)	µg/kg	--	4.4E+02	4.4E+02	2.1E+04	1.9 U	1.8 U	2.1 U	1.9 U	1.9 U	2.1 U	2 U
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	0.3 J	1 U	1.2 U	1.1 U	1.1 U	1.2 U	1.2 U
Heptachlor	µg/kg	--	1.1E+02	1.1E+02	3.1E+04	1.9 U	1.8 U	2.1 U	1.9 U	1.9 U	2.1 U	2 U
Heptachlor Epoxide	µg/kg	--	5.3E+01	5.3E+01	7.9E+02	1.9 U	1.8 U	2.1 U	1.9 U	1.9 U	2.1 U	2 U
Methoxychlor	µg/kg	--	3.1E+05	--	3.1E+05	11 U	10 U	12 U	11 U	11 U	12 U	12 U
Toxaphene	µg/kg	--	4.4E+02	4.4E+02	--	110 U	100 U	120 U	110 U	110 U	120 U	120 U
Organophosphorus Pesticides						110 U	100 U	120 U	110 U	110 U	120 U	120 U
Azinphos Methyl	µg/kg	--	--	--	--	56 U	52 U	61 U	56 U	57 U	60 U	58 U
Bolstar (sulprofos)	µg/kg	--	--	--	--	56 U	52 U	61 U	56 U	57 U	60 U	58 U
Chlorpyrifos	µg/kg	--	1.8E+05	--	1.8E+05	110 U	100 U	120 U	110 U	110 U	120 U	120 U
Coumaphos	µg/kg	--	--	--	--	56 UJ	52 UJ	61 UJ	56 UJ	57 UJ	60 UJ	58 UJ
Demeton-O	µg/kg	--	2.4E+03	--	2.4E+03	56 U	52 U	61 U	56 U	57 U	60 U	58 U
Demeton-S	µg/kg	--	--	--	--	56 U	52 U	61 U	56 U	57 U	60 U	58 U
Diazinon	µg/kg	--	5.5E+04	--	5.5E+04	56 UJ	52 UJ	61 UJ	56 UJ	57 UJ	60 UJ	58 UJ
Dichlorvos	µg/kg	--	1.7E+03	1.7E+03	3.1E+04	56 U	52 U	61 U	56 U	57 U	60 U	58 U
Disulfoton	µg/kg	--	2.4E+03	--	2.4E+03	56 U	52 U	61 U	56 U	57 U	60 U	58 U
Ethoprop	µg/kg	--	--	--	--	56 U	52 U	61 U	56 U	57 U	60 U	58 U
Fensulfothion	µg/kg	--	--	--	--	56 U	52 U	61 U	56 U	57 U	60 U	58 U
Fenthion	µg/kg	--	--	--	--	56 UJ	52 UJ	61 UJ	56 UJ	57 UJ	60 UJ	58 UJ
Merphos	µg/kg	--	1.8E+03	--	1.8E+03	56 U	52 U	61 U	56 U	57 U	60 U	58 U
Methyl Parathion	µg/kg	--	1.5E+04	--	1.5E+04	56 UJ	52 UJ	61 UJ	56 UJ	57 UJ	60 UJ	58 UJ
Mevinphos	µg/kg	--	--	--	--	56 U	52 U	61 U	56 U	57 U	60 U	58 U
Naled	µg/kg	--	1.2E+05	--	1.2E+05	56 U	52 U	61 U	56 U	57 U	60 U	58 U
Phorate	µg/kg	--	1.2E+04	--	1.2E+04	56 U	52 U	61 U	56 U	57 U	60 U	58 U
Ronnel	µg/kg	--	3.1E+06	--	3.1E+06	56 U	52 U	61 U	56 U	57 U	60 U	58 U
Tetrachlorvinphos (stirophos)	µg/kg	--	2.0E+04	2.0E+04	1.8E+06	110 U	100 U	120 U	110 U	110 U	120 U	120 U
Tokuthion (prothiofos)	µg/kg	--	--	--	--	110 U	100 U	120 U	110 U	110 U	120 U	120 U
Trichloronate	µg/kg	--	--	--	--							
Chlorinated Herbicides						11 U	10 U	12 U	11 U	11 U	12 U	12 U
2,4,5-T	µg/kg	--	6.1E+05	--	6.1E+05	11 U	10 U	12 U	11 U	11 U	12 U	12 U
2,4,5-TP (silvex)	µg/kg	--	4.9E+05	--	4.9E+05	11 U	10 U	12 U	11 U	11 U	12 U	12 U
2,4-D	µg/kg	--	6.9E+05	--	6.9E+05	11 U	10 U	12 U	11 U	11 U	12 U	12 U
2,4-DB	µg/kg	--	4.9E+05	--	4.9E+05	23 U	21 U	24 U	23 U	23 U	24 U	23 U
Dalapon (dichloroacetic acid)	µg/kg	--	1.8E+06	--	1.8E+06	11 U	10 U	12 U	11 U	11 U	12 U	12 U
Dicamba	µg/kg	--	--	--	--	11 U	10 U	12 U	11 U	11 U	12 U	12 U
Dichloroprop	µg/kg	67.2	--	--	--	23 U	21 U	24 U	23 U	23 U	24 U	23 U
Dinoseb (DNBP)	µg/kg	--	6.1E+04	--	6.1E+04	2,300 U	2,100 U	2,400 U	2,300 U	2,300 U	2,400 U	2,300 U
MCPA	µg/kg	28,500	--	--	--	2,300 U	2,100 U	2,400 U	2,300 U	2,300 U	2,400 U	2,300 U
MCPP	µg/kg	--	6.1E+04	--	6.1E+04							

J = estimated concentration

µg/kg = micrograms per kilogram

U = not detected (including not present because of blank contamination)

Table C.1-9: Analytical Results, Parcel AG-9

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG9-HA1 1 foot bgs LJ091	AG9-HA1 1 foot bgs (dup) LJ092	AG9-HA1 4 feet bgs LJ093	AG9-HA2 1 foot bgs LJ085	AG9-HA2 4 feet bgs LJ086	AG9-HA3 1 foot bgs LJ087	AG9-HA3 4 feet bgs LJ088	AG9-HA4 1 foot bgs LJ089	AG9-HA4 4 feet bgs LJ090	AG9-HA5 0 feet bgs LJ094	AG9-HA5 2 feet bgs LJ095	AG9-HA5 4 feet bgs LJ096
Organochloride Pesticides																	
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	16	15	4	3.4 U	3.3 U	3 J	3.5 U	20	4	14	3.5 U	3.8 U
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	94	92	9.3	3.4 U	0.06 J	0.8 J	3.5 U	55	3 J	14	5	1 J
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	29	32	3 J	3.4 U	3.3 U	1 J	3.5 U	77	4	28	3.5 U	1 J
Aldrin	µg/kg	--	2.9E+01	2.9E+01	1.8E+03	1.9 U	1.8 U	2 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U	2 U	1.8 U	2 U	2.2 U
Alpha-BHC	µg/kg	--	9.0E+01	9.0E+01	3.5E+04	1.9 U	1.8 U	2 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U	2 U	1.8 U	2 U	2.2 U
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.6 J	1.2 U	1.1 U	1.2 U	1 U	1.2 U	1.3 U
Beta-BHC	µg/kg	--	3.2E+02	3.2E+02	1.4E+04	1.9 U	1.8 U	2 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U	2 U	1.8 U	2 U	2.2 U
Delta-BHC	µg/kg	--	--	--	--	1.9 U	1.8 U	2 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U	2 U	1.8 U	2 U	2.2 U
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	3.3 U	3.3 U	3.4 U	3.4 U	3.3 U	3.3 U	3.5 U	3.3 U	3.5 U	3.1 U	2 J	3.8 U
Endosulfan I	µg/kg	0.179	3.7E+05	--	3.7E+05	3.3 U	3.3 U	3.4 U	3.4 U	3.3 U	3.3 U	3.5 U	3.3 U	3.5 U	3.1 U	3.5 U	3.8 U
Endosulfan II	µg/kg	2.22	3.7E+05	--	3.7E+05	3.3 U	3.3 U	3.4 U	3.4 U	3.3 U	3.3 U	3.5 U	3.3 U	3.5 U	3.1 U	3.5 U	3.8 U
Endosulfan Sulfate	µg/kg	3.1	3.7E+05	--	3.7E+05	5.6 U	5.4 U	5.7 U	5.7 U	5.5 U	5.4 U	5.8 U	5.5 U	5.8 U	5.2 U	5.8 U	6.4 U
Endrin	µg/kg	2.22	1.8E+04	--	1.8E+04	3.3 U	3.3 U	3.4 U	3.4 U	3.3 U	3.3 U	3.5 U	3.3 U	3.5 U	3.1 U	3.5 U	3.8 U
Endrin Aldehyde	µg/kg	2.22	1.8E+04	--	1.8E+04	1 J	1 J	3.4 U	3.4 U	3.3 U	3.3 U	3.5 U	4	3.5 U	1 J	3.5 U	3.8 U
Endrin Ketone	µg/kg	--	1.8E+04	--	1.8E+04	3.3 U	3.3 U	3.4 U	3.4 U	3.3 U	3.3 U	3.5 U	3.3 U	3.5 U	3.1 U	3.5 U	3.8 U
Gamma-BHC (lindane)	µg/kg	--	4.4E+02	4.4E+02	2.1E+04	1.9 U	1.8 U	2 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U	2 U	1.8 U	2 U	2.2 U
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.3 J	1.2 U	1.1 U	1.2 U	1 U	1.2 U	1.3 U
Heptachlor	µg/kg	--	1.1E+02	1.1E+02	3.1E+04	1.9 U	1.8 U	2 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U	2 U	1.8 U	2 U	2.2 U
Heptachlor Epoxide	µg/kg	--	5.3E+01	5.3E+01	7.9E+02	1.9 U	1.8 U	2 U	1.9 U	1.9 U	1.9 U	2 U	1.9 U	2 U	1.8 U	2 U	2.2 U
Methoxychlor	µg/kg	--	3.1E+05	--	3.1E+05	11 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	10 U	12 U	13 U
Toxaphene	µg/kg	--	4.4E+02	4.4E+02	--	110 U	110 U	110 U	110 U	110 U	110 U	120 U	110 U	120 U	100 U	120 U	130 U
Organophosphorus Pesticides																	
Azinphos Methyl	µg/kg	--	--	--	--	110 U	110 U	110 U	110 U	110 U	110 U	120 U	110 U	120 U	100 U	120 U	130 U
Bolstar (sulprofos)	µg/kg	--	--	--	--	56 U	54 U	57 U	57 U	55 U	54 U	58 U	55 U	58 U	52 U	58 U	64 U
Chlorpyrifos	µg/kg	--	1.8E+05	--	1.8E+05	56 U	54 U	57 U	57 U	55 U	54 U	58 U	55 U	58 U	52 U	58 U	64 U
Coumaphos	µg/kg	--	--	--	--	110 U	110 U	110 U	110 U	110 U	110 U	120 U	110 U	120 U	100 U	120 U	130 U
Demeton-O	µg/kg	--	2.4E+03	--	2.4E+03	56 U	54 U	57 U	57 U	55 U	54 UJ	58 U	55 U	58 U	52 U	58 U	64 U
Demeton-S	µg/kg	--	--	--	--	56 U	54 U	57 U	57 U	55 U	54 U	58 U	55 U	58 U	52 U	58 U	64 U
Diazinon	µg/kg	--	5.5E+04		5.5E+04	56 U	54 U	57 U	57 U	55 U	54 U	58 U	55 U	58 U	14 J	58 U	64 U
Dichlorvos	µg/kg	--	1.7E+03	1.7E+03	3.1E+04	56 U	54 U	57 U	57 U	55 U	54 UJ	58 U	55 U	58 U	52 U	58 U	64 U
Disulfoton	µg/kg	--	2.4E+03	--	2.4E+03	56 U	54 U	57 U	57 U	55 U	54 U	58 U	55 U	58 U	52 U	58 U	64 U
Ethoprop	µg/kg	--	--	--	--	56 U	54 U	57 U	57 U	55 U	54 U	58 U	55 U	58 U	52 U	58 U	64 U
Fensulfothion	µg/kg	--	--	--	--	56 U	54 U	57 U	57 U	55 U	54 U	58 U	55 U	58 U	52 U	58 U	64 U
Fenthion	µg/kg	--	--	--	--	56 U	54 U	57 U	57 U	55 U	54 U	58 U	55 U	58 U	52 U	58 U	64 U
Merphos	µg/kg	--	1.8E+03	--	1.8E+03	56 U	54 U	57 U	57 U	55 U	54 UJ	58 U	55 U	58 U	52 U	58 U	64 U
Methyl Parathion	µg/kg	--	1.5E+04	--	1.5E+04	56 U	54 U	57 U	57 U	55 U	54 U	58 U	55 U	58 U	52 U	58 U	64 U
Mevinphos	µg/kg	--	--	--		56 U	54 U	57 U	57 U	55 U	54 UJ	58 U	55 U	58 U	52 U	58 U	64 U
Naled	µg/kg	--	1.2E+05	--	1.2E+05	56 U	54 U	57 U	57 U	55 U	54 U	58 U	55 U	58 U	52 U	58 U	64 U
Phorate	µg/kg	--	1.2E+04	--	1.2E+04	56 U	54 U	57 U	57 U	55 U	54 U	58 U	55 U	58 U	52 U	58 U	64 U
Ronnel	µg/kg	--	3.1E+06	--	3.1E+06	56 U	54 U	57 U	57 U	55 U	54 U	58 U	55 U	58 U	52 U	58 U	64 U
Tetrachlorvinphos (stirophos)	µg/kg	--	2.0E+04	2.0E+04	1.8E+06	56 U	54 U	57 U	57 U	55 U	54 U	58 U	55 U	58 U	52 U	58 U	64 U
Tokuthion (prothiofos)	µg/kg	--	--	--	--	110 U	110 U	110 U	110 U	110 U	110 U	120 U	110 U	120 U	100 U	120 U	130 U
Trichloronate	µg/kg	--	--	--	--	110 U	110 U	110 U	110 U	110 U	110 U	120 U	110 U	120 U	100 U	120 U	130 U
Chlorinated Herbicides																	
2,4,5-T	µg/kg	--	6.1E+05	--	6.1E+05	11 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	10 U	12 U	13 U
2,4,5-TP (silvex)	µg/kg	--	4.9E+05	--	4.9E+05	11 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	10 U	12 U	13 U
2,4-D	µg/kg	--	6.9E+05	--	6.9E+05	11 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	10 U	12 U	13 U
2,4-DB	µg/kg	--	4.9E+05	--	4.9E+05	11 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	10 U	12 U	13 U
Dalapon (dichloroacetic acid)	µg/kg	--	1.8E+06	--	1.8E+06	22 U	22 U	23 U	23 U	22 U	22 U	23 U	22 U	23 U	21 U	23 U	26 U
Dicamba	µg/kg	--	--	--	--	11 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	10 U	12 U	13 U
Dichloroprop	µg/kg	67.2	--	--	--	11 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	10 U	12 U	13 U
Dinoseb (DNBP)	µg/kg	--	6.1E+04	--	6.1E+04	22 U	22 U	23 U	23 U	22 U	22 U	23 U	22 U	23 U	21 U	23 U	26 U
MCPA	µg/kg	28,500	--	--	--	2,200 U	2,200 U	2,300 U	2,300 U	2,200 U	2,200 U	2,300 U	2,200 U	2,300 U	2,100 U	2,300 U	2,600 U
MCPP	µg/kg	--	6.1E+04	--	6.1E+04	2,200 U	2,200 U	2,300 U	2,300 U	2,200 U	2,200 U	2,300 U	2,200 U	2,300 U	2,100 U	2,300 U	2,600 U

J = estimated concentration

µg/kg = micrograms per kilogram

U = not detected (including not present because of blank contamination)

Appendix 2
Risk Screening Calculations

Table C.2-1: Risk Screening Calculations, Parcel AG-1

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG1-HA1 0 feet bgs LJ054			AG1-HA1 2 feet bgs LJ055			AG1-HA1 4 feet bgs LJ056			AG1-HA2 0 feet bgs LJ059			AG1-HA2 0 feet bgs (dup) LJ060			AG1-HA2 2 feet bgs LJ061		
						Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio
Organochloride Pesticides																							
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	NV	6	<0.01	--	ND	--	--	ND	--	--	4,500	1.84	--	3,200	1.31	--	5	<0.01	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	NV	27	0.02	--	ND	--	--	ND	--	--	1,200	0.70	--	990	0.58	--	2	<0.01	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	21	0.01	<0.01	ND	--	--	ND	--	--	9,850	5.73	0.27	7,370	4.28	0.20	7.1	<0.01	<0.01
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	3.2	<0.01	<0.01	ND	--	--	ND	--	--	390	0.24	0.01	290	0.18	<0.01	0.8	<0.01	<0.01
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	2	<0.01	<0.01	ND	--	--	ND	--	--	1300	0.80	0.04	760	0.47	0.02	2.8	<0.01	<0.01
Heptachlor	µg/kg	NV	1.1E+02	1.1E+02	3.1E+04	ND	--	--	ND	--	--	ND	--	--	360	3.33	0.01	250	2.31	<0.01	ND	--	--
Chlorinated Herbicides																							
2,4-DB	µg/kg	NV	4.9E+05	NV	4.9E+05	ND	--	--	ND	--	--	ND	--	--	75	--	<0.01	130	--	<0.01	ND	--	--
Organophosphorus Pesticides																							
Chlorpyrifos	µg/kg	NV	1.8E+05	NV	1.8E+05	ND	--	--	ND	--	--	ND	--	--	ND	--		ND	--	--	ND	--	--
					Cumulative Risk Ratio:		**0.03**	**<0.01**		–	–		–	–		**12.65**	**0.33**		**9.13**	**0.24**		**<0.01**	**<0.01**

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV indicates that the specified criteria does not exist.

– indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-1: Risk Screening Calculations, Parcel AG-1

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG1-HA4 4 feet bgs LJ068			AG1-HA5 0 feet bgs LJ063			AG1-HA5 2 feet bgs LJ064			AG1-HA 4 feet bg LJ065	
						Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio
Organochloride Pesticides																
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	NV	3	<0.01	--	5	<0.01	--	ND	--	--	ND	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	NV	1	<0.01	--	3	<0.01	--	ND	--	--	0.2	<0.01
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	0.5	<0.01	<0.01	3	<0.01	<0.01	ND	--	--	ND	--
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	ND	--	--	0.6	<0.01	<0.01	ND	--	--	ND	--
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	ND	--	--	ND	--	--	ND	--	--	ND	--
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	ND	--	--	0.7	<0.01	<0.01	ND	--	--	ND	--
Heptachlor	µg/kg	NV	1.1E+02	1.1E+02	3.1E+04	ND		--	0.2	<0.01	<0.01	ND	--	--	ND	--
Chlorinated Herbicides																
2,4-DB	µg/kg	NV	4.9E+05	NV	4.9E+05	ND	--	--	ND	--	--	ND	--	--	ND	--
Organophosphorus Pesticides																
Chlorpyrifos	µg/kg	NV	1.8E+05	NV	1.8E+05	ND	--		900	--	<0.01	ND	--	--	ND	--
					Cumulative Risk Ratio:		**<0.01**	**<0.01**		**<0.01**	**<0.01**		--	--		**<0.01**

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV indicates that the specified criteria does not exist.

-- Indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-2: Risk Screening Calculations, Parcel AG-2

						AG2-HA1 0 feet bgs LJ073			AG2-HA1 2 feet bgs LJ074			AG2-HA2 0 feet bgs LJ075			AG2-HA2 2 feet bgs LJ076			AG2-HA2 4 feet bgs LJ077			AG2-HA3 0 feet bgs LJ069		
Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio
Organochloride Pesticides																							
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	NV	3	<0.01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	3	<0.01	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	NV	1	<0.01	--	0.4	<0.01	--	0.7	<0.01	--	ND	--	--	ND	--	--	4	<0.01	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	2	<0.01	<0.01	0.5	<0.01	<0.01	ND	--	--	ND	--	--	ND	--	--	1	<0.01	<0.01
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	0.6	<0.01	<0.01	ND	--	--	ND	--	--	ND	--	--	ND	--	--	Rejected	--	--
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	1	<0.01	<0.01	ND	--	--	ND	--	--	ND	--	--	ND	--	--	Rejected	--	--
Heptachlor	µg/kg	NV	1.1E+02	1.1E+02	3.1E+04	0.06	<0.01	<0.01	ND	--	--	ND	--	--	ND	--	--	ND	--	--	Rejected	--	--
					Cumulative Risk Ratio:		**<0.01**	**<0.01**		**<0.01**	**<0.01**		**<0.01**	--		--	--		--	--		**<0.01**	**<0.01**

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV indicates that the specified criteria does not exist.

-- indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-2: Risk Screening Calculations, Parcel AG-2

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG2-HA3 0 feet bgs (dup) LJ070 Result	CA Ratio	NC Ratio	AG2-HA3 2 feet bgs LJ071 Result	CA Ratio	NC Ratio	AG2-HA3 4 feet bgs LJ072 Result	CA Ratio	NC Ratio
Organochloride Pesticides														
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	NV	3	<0.01	--	ND	--	--	ND	--	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	NV	7.9	<0.01	--	ND	--	--	ND	--	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	2	<0.01	<0.01	ND	--	0	ND	--	--
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	ND	--	--	ND	--	0	ND	--	--
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	ND	--	--	ND	--	0	ND	--	--
Heptachlor	µg/kg	NV	1.1E+02	1.1E+02	3.1E+04	ND	--	--	ND	--	--	ND	--	--
					Cumulative Risk Ratio:		**<0.01**	**<0.01**		--	--		--	--

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV indicates that the specified criteria does not exist.

-- indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-3: Risk Screening Calculations, Parcel AG-3

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG3-HA1 0 feet bgs LJ019			AG3-HA1 2 feet bgs LJ020			AG3-HA1 4 feet bgs LJ021			AG3-HA2 0 feet bgs LJ014			AG3-HA2 2 feet bgs LJ015		
						Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio
Organochloride Pesticides																				
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	1	<0.01	--	ND	--	--	ND	--	--	ND	--	--	6	<0.01	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	3	<0.01	--	ND	--	--	ND	--	--	7.1	<0.01	--	42	0.02	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	4	<0.01	<0.01	ND	--	--	ND	--	--	19	0.01	<0.01	14	<0.01	<0.01
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	2	<0.01	<0.01	ND	--	--	ND	--	--	29	0.02	<0.01	ND	--	--
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	ND	--	--	ND	--	--	ND	--	--	1	0.03	<0.01	ND	--	--
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	3.4	<0.01	<0.01	ND	--	--	ND	--	--	25	0.02	<0.01	ND	--	--
Heptachlor Epoxide	µg/kg	--	5.3E+01	5.3E+01	7.9E+02	ND	--	--	ND	--	--	ND	--	--	1	0.02	0.02	ND	--	--
					Cumulative Risk Ratio:		**<0.01**	**<0.01**		**--**	**--**		**--**	**--**		**0.10**	**0.02**		**0.04**	**<0.01**

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV indicates that the specified criteria does not exist.

-- indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-3: Risk Screening Calculations, Parcel AG-3

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG3-HA2 4 feet bgs LJ016			AG3-HA3 0 feet bgs LJ017			AG3-HA3 2 feet bgs LJ018			AG3-HA4 0 feet bgs LJ022			AG3-HA4 0 feet bgs (dup) LJ023		
						Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio
Organochloride Pesticides																				
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	3	<0.01	--	0.4	<0.01	--	0.5	<0.01	--	ND	--	--	ND	--	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	10	<0.01	--	2	<0.01	--	4	<0.01	--	ND	--	--	ND	--	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	11	<0.01	<0.01	2	<0.01	<0.01	3	<0.01	<0.01	ND	--	--	ND	--	--
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	ND	--	--	0.6	<0.01	<0.01	ND	--		51	0.03	<0.01	41	0.03	<0.01
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	ND	--	--	ND	--	--	ND	--		2	0.07	<0.01	1	0.03	<0.01
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	ND	--	--	0.8	<0.01	<0.01	0.2	<0.01	<0.01	52	0.03	<0.01	42	0.03	<0.01
Heptachlor Epoxide	µg/kg	--	5.3E+01	5.3E+01	7.9E+02	ND	--	--	ND	--	--	ND	--	--	ND	--		ND	--	--
					Cumulative Risk Ratio:		**0.01**	**<0.01**		**<0.01**	**<0.01**		**<0.01**	**<0.01**		**0.13**	**<0.01**		**0.08**	**<0.01**

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV indicates that the specified criteria does not exist.

-- Indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-3: Risk Screening Calculations, Parcel AG-3

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG3-HA4 2 feet bgs LJ024			AG3-HA4 4 feet bgs LJ025		
						Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio
Organochloride Pesticides											
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	ND	--	--	ND	--	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	ND	--	--	ND	--	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	ND	--	--	ND	--	--
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	ND	--	--	3.3	<0.01	<0.01
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	ND	--	--	ND	--	--
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	ND	--	--	2	<0.01	<0.01
Heptachlor Epoxide	µg/kg	--	5.3E+01	5.3E+01	7.9E+02	ND	--	--	ND	--	--
					Cumulative Risk Ratio:		--	--		**<0.01**	**<0.01**

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV indicates that the specified criteria does not exist.

-- indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-4: Risk Screening Calculations, Parcel AG-4

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG4-HA1 0 feet bgs LJ008			AG4-HA1 2 feet bgs LJ009			AG4-HA1 4 feet bgs LJ010			AG4-HA2 0 feet bgs LJ004			AG4-HA2 2 feet bgs LJ005			AG4-HA2 4 feet bgs LJ006		
						Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio
Organochloride Pesticides																							
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	4	<0.01	--	ND	--	--	ND	--	--	2	<0.01	--	ND	--	--	ND	--	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	5	<0.01	--	ND	--	--	ND	--	--	2	<0.01	--	ND	--	--	ND	--	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	11	<0.01	<0.01	ND	--	--	ND	--	--	3	<0.01	<0.01	ND	--	--	ND	--	--
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	2	<0.01	<0.01	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
					Cumulative Risk Ratio:		**0.01**	**<0.01**		--	--		--	--		**<0.01**	**<0.01**		--	--		--	--

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV indicates that the specified criteria does not exist.

-- indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-4: Risk Screening Calculations, Parcel AG-4

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG4-HA3 0 feet bgs LJ001			AG4-HA3 2 feet bgs LJ002			AG4-HA3 4 feet bgs LJ003			AG4-HA4 0 feet bgs LJ011			AG4-HA4 0 feet bgs (dup) LJ012			AG4-HA4 2 feet bgs LJ013		
						Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio
Organochloride Pesticides																							
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	0.2	<0.01	--	ND	--	--	ND	--	--	10	<0.01	--	23	<0.01	--	3	<0.01	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	0.4	<0.01	--	ND	--	--	ND	--	--	37	0.02	--	72	0.04	--	14	<0.01	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	2	<0.01	<0.01	ND	--	--	ND	--	--	22	0.01	<0.01	43	0.03	<0.01	7.9	<0.01	<0.01
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	ND	--	--	ND	--	--	ND	--	--	2	<0.01	<0.01	3.7	<0.01	<0.01	1	<0.01	<0.01
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	ND	--	--	ND	--	--	ND	--	--	1	<0.01	<0.01	2	<0.01	<0.01	0.5	<0.01	<0.01
					Cumulative Risk Ratio:		**<0.01**	**<0.01**		--	--		--	--		**0.04**	**<0.01**		**0.08**	**<0.01**		**0.01**	**<0.01**

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV indicates that the specified criteria does not exist.

-- indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-5: Risk Screening Calculations, Parcel AG-5

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG5-HA1 0 feet bgs LJ046			AG5-HA1 2 feet bgs LJ047			AG5-HA1 4 feet bgs LJ048			AG5-HA2 0 feet bgs LJ042			AG5-HA2 0 feet bgs(dup) LJ043			AG5-HA2 2 feet bgs LJ044		
Organochloride Pesticides						Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	0.9	<0.01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.08	<0.01	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	1	<0.01	<0.01	ND	--	--	0.5	<0.01	<0.01	ND	--	--	ND	--	--	ND	--	--
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
Methoxychlor	µg/kg	--	3.1E+05	--	3.1E+05	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
					Cumulative Risk Ratio:		<0.01	<0.01		--	--		<0.01	<0.01		--	<0.01		--	--		<0.01	--

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV indicates that the specified criteria does not exist.

-- Indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-5: Risk Screening Calculations, Parcel AG-5

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG5-HA2 4 feet bgs LJ045			AG5-HA3 0 feet bgs LJ049			AG5-HA3 0 feet bgs (dup) LJ050			AG5-HA3 2 feet bgs LJ051			AG5-HA3 4 feet bgs LJ052		
Organochloride Pesticides						Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	ND	--	--	ND	--	--	3	<0.01	--	ND	--	--	ND	--	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	ND	--	--	ND	--	--	8	<0.01	--	0.4	<0.01	--	ND	--	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	ND	--	--	ND	--	--	6	<0.01	<0.01	ND	--	--	ND	--	--
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	ND	--	--	ND	--	--	0.4	0.01	<0.01	ND	--	--	ND	--	--
Methoxychlor	µg/kg	--	3.1E+05	--	3.1E+05	ND	--	--	ND	--	--	1	--	<0.01	ND	--	--	ND	--	--
					Cumulative Risk Ratio:		--	--		--	--		0.02	<0.01		<0.01	--		--	--

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV Indicates that the specified criteria does not exist.

-- Indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-6: Risk Screening Calculations, Parcel AG-6

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG6-HA1 0 feet bgs LJ039			AG6-HA1 2 feet bgs LJ040			AG6-HA1 4 feet bgs LJ041			AG6-HA2 0 feet bgs LJ032			AG6-HA2 0 feet bgs (dup) LJ033			AG6-HA2 2 feet bgs LJ034		
						Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio
Organochloride Pesticides																							
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	ND	--	--	4	<0.01	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	0.7	<0.01	--	32	0.02	--	ND	--	--	5	<0.01	--	8.3	<0.01	--	ND	--	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	ND	--	--	4.8	<0.01	<0.01	ND	--	--	ND	--	--	ND	--	--	ND	--	--
Endrin Aldehyde	µg/kg	2.22	1.8E+04	--	1.8E+04	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.7	--	<0.01	ND	--	--
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	ND	--	--	3.7	<0.01	<0.01	ND	--	--	ND	--	--	ND	--	--	ND	--	--
Methoxychlor	µg/kg	--	3.1E+05	--	3.1E+05	ND	--	--	ND	--	--	ND	--	--	ND	--	--	2	--	<0.01	ND	--	--
					Cumulative Risk Ratio:		**<0.01**	--		**0.03**	**<0.01**		--	--		**<0.01**	**<0.01**		**<0.01**	**<0.01**		--	--

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV indicates that the specified criteria does not exist.

-- indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-6: Risk Screening Calculations, Parcel AG-6

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG6-HA2 4 feet bgs LJ035			AG6-HA3 0 feet bgs LJ036			AG6-HA3 2 feet bgs LJ037			AG6-HA3 4 feet bgs LJ038		
						Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio
Organochloride Pesticides																	
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	ND	--	--	3	<0.01	--	4	<0.01	--	ND	--	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	ND	--	--	13	<0.01	--	54	0.03	--	6	<0.01	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	ND	--	--	0.9	<0.01	<0.01	0.6	<0.01	<0.01	ND	--	--
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	ND	--	--	ND	--	--	2	<0.01	<0.01	ND	--	--
Endrin Aldehyde	µg/kg	2.22	1.8E+04	--	1.8E+04	ND	--	--	ND	--	--	ND	--	--	ND	--	--
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	ND	--	--	ND	--	--	2	<0.01	<0.01	ND	--	--
Methoxychlor	µg/kg	--	3.1E+05	--	3.1E+05	ND	--	--	ND	--	--	ND	--	--	ND	--	--
					Cumulative Risk Ratio:		**<0.01**	**--**		**<0.01**	**<0.01**		**0.04**	**<0.01**		**<0.01**	**--**

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV indicates that the specified criteria does not exist.

-- Indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-7: Risk Screening Calculations, Parcel AG-7

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG7-HA1 1 foot bgs LJ030 Result	CA Ratio	NC Ratio	AG7-HA1 4 feet bgs LJ031 Result	CA Ratio	NC Ratio	AG7-HA2 1 foot bgs LJ028 Result	CA Ratio	NC Ratio	AG7-HA2 4 feet bgs LJ029 Result	CA Ratio	NC Ratio	AG7-HA3 1 foot bgs LJ026 Result	CA Ratio	NC Ratio	AG7-HA3 4 feet bgs LJ027 Result	CA Ratio	NC Ratio
Organochloride Pesticides																							
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	56	0.02	--	ND	--	--	9.7	<0.01	--	ND	--	--	26	0.01	--	ND	--	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	192	0.11	--	0.4	<0.01	--	66	0.04	--	3	<0.01	--	90	0.05	--	1	<0.01	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	137	0.08	<0.01	ND	--	--	22	0.01	<0.01	0.7	<0.01	<0.01	56	0.03	<0.01	0.4	<0.01	<0.01
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	8.5	<0.01	<0.01	ND	--	--	1	<0.01	<0.01	ND	--	--	5.2	<0.01	<0.01	ND	--	--
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	5	0.16	<0.01	ND	--	--	2	0.07	<0.01	ND	--	--	6	0.20	<0.01	ND	--	--
Endosulfan Sulfate	µg/kg	3.1	3.7E+05	--	3.7E+05	15	--	<0.01	ND	--	--	ND	--	--	ND	--	--	7	--	<0.01	ND	--	--
Endrin Aldehyde	µg/kg	2.22	1.8E+04	--	1.8E+04	9	--	<0.01	ND	--	--	ND	--	--	ND	--	--	4	--	<0.01	ND	--	--
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	4.9	<0.01	<0.01	ND	--	--	0.4	<0.01	<0.01	ND	--	--	2	<0.01	<0.01	ND	--	--
Heptachlor Epoxide	µg/kg	--	5.3E+01	5.3E+01	7.9E+02	2	0.04	<0.01	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
					Cumulative Risk Ratio:		**0.04**	**<0.01**		**<0.01**	**--**		**0.12**	**<0.01**		**<0.01**	**<0.01**		**0.30**	**<0.01**		**<0.01**	**<0.01**

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV indicates that the specified criteria does not exist.

-- indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-8: Risk Screening Calculations, Parcel AG-8

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG8-HA1 1 foot bgs LJ078			AG8-HA1 4 feet bgs LJ079			AG8-HA2 1 foot bgs LJ083			AG8-HA2 4 feet bgs LJ084			AG8-HA3 1 foot bgs LJ080			AG8-HA3 1 foot bgs LJ081		
						Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio
Organochloride Pesticides																							
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	4	<0.01	--	ND	--	--	4	<0.01	--	ND	--	--	3	<0.01	--	ND	--	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	11	<0.01	--	ND	--	--	3	<0.01	--	0.7	<0.01	--	4	<0.01	--	1	<0.01	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	2	<0.01	<0.01	ND	--	--	0.5	<0.01	<0.01	ND	--	--	0.5	<0.01	<0.01	ND	--	--
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	0.7	<0.01	<0.01	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	0.3	<0.01	<0.01	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
					Cumulative Risk Ratio:		**<0.01**	**<0.01**		--	--		**<0.01**	**<0.01**		**<0.01**	--		**<0.01**	**<0.01**		**<0.01**	--

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV indicates that the specified criteria does not exist.

-- indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-8: Risk Screening Calculations, Parcel AG-8

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG8-HA3 4 feet bgs LJ082 Result	CA Ratio	NC Ratio
Organochloride Pesticides								
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	ND	--	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	ND	--	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	ND	--	--
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	ND	--	--
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	ND	--	--
					Cumulative Risk Ratio:		--	--

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV Indicates that the specified criteria does not exist.

-- Indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-9: Risk Screening Calculations, Parcel AG-9

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG9-HA1 1 foot bgs LJ091			AG9-HA1 1 foot bgs (dup) LJ092			AG9-HA1 4 feet bgs LJ093			AG9-HA2 1 foot bgs LJ085			AG9-HA2 4 feet bgs LJ086			AG9-HA3 1 foot bgs LJ087		
						Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio
Organochloride Pesticides																							
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	16	<0.01	--	15	<0.01	--	4	<0.01	--	ND	--	--	ND	--	--	3	<0.01	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	94	0.05	--	92	0.05	--	9.3	<0.01	--	ND	--	--	0.06	<0.01	--	0.8	<0.01	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	29	0.02	<0.01	32	0.02	<0.01	3	<0.01	<0.01	ND	--	--	ND	--	--	1	<0.01	<0.01
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	0.6	<0.01	<0.01
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
Endrin Aldehyde	µg/kg	2.22	1.8E+04		1.8E+04	1	--	<0.01	1	--	<0.01	ND	--	--	ND	--	--	ND	--	--	0.3	<0.01	<0.01
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
Diazinon	µg/kg	--	5.5E+04	--	5.5E+04	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
					Cumulative Risk Ratio:		**0.08**	**<0.01**		**0.08**	**<0.01**		**<0.01**	**<0.01**		--	--		**<0.01**	**<0.01**		**<0.01**	**<0.01**

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV indicates that the specified criteria does not exist.

-- indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Table C.2-9: Risk Screening Calculations, Parcel AG-9

Analyte	Units	MCAS El Toro Background Concentration	Residential Soil PRG	Residential Cancer Risk Screening Level	Residential Noncancer Risk Screening Level	AG9-HA3 4 feet bgs LJ088			AG9-HA4 1 foot bgs LJ089			AG9-HA4 4 feet bgs LJ090			AG9-HA5 0 feet bgs LJ094			AG9-HA5 2 feet bgs LJ095			AG9-HA5 4 feet bgs LJ096		
						Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio	Result	CA Ratio	NC Ratio
Organochloride Pesticides																							
4,4'-DDD	µg/kg	36.1	2.4E+03	2.4E+03	--	ND	--	--	20	<0.01	--	4	<0.01	--	14	<0.01	--	ND	--	--	ND	--	--
4,4'-DDE	µg/kg	145	1.7E+03	1.7E+03	--	ND	--	--	55	0.03	--	3	<0.01	--	14	<0.01	--	5	<0.01	--	1	<0.01	--
4,4'-DDT	µg/kg	236	1.7E+03	1.7E+03	3.6E+04	ND	--	--	77	0.04	<0.01	4	<0.01	<0.01	28	0.02	<0.01	ND	--	--	1	<0.01	<0.01
Alpha-Chlordane	µg/kg	2.24	1.6E+03	1.6E+03	3.5E+04	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
Dieldrin	µg/kg	19.9	3.0E+01	3.0E+01	3.1E+03	ND	--	--	ND	--	--	ND	--	--	ND	--	<0.01	2	0.07	<0.01	ND	--	--
Endrin Aldehyde	µg/kg	2.22	1.8E+04		1.8E+04	ND	--	--	4	--	<0.01	ND	--	--	1	--	<0.01	ND	--	--	ND	--	--
Gamma-Chlordane	µg/kg	2.7	1.6E+03	1.6E+03	3.5E+04	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--	ND	--	--
Diazinon	µg/kg	--	5.5E+04	--	5.5E+04	ND	--	--	ND	--	--	ND	--	--	14	--	<0.01	ND	--	--	ND	--	--
					Cumulative Risk Ratio:		**--**	**--**		**0.08**	**<0.01**		**<0.01**	**<0.01**		**0.03**	**<0.01**		**0.07**	**<0.01**		**<0.01**	**<0.01**

Notes:

µg/kg = micrograms per kilogram

ND = not detected

NV indicates that the specified criteria does not exist.

-- Indicates that, for the sample indicated, there is no risk associated with the analyte specified.

Appendix D
Cleanup Program Comments to the MCAS El Toro Draft Environmental Impact Statement