MARINE CORPS AIR STATION EL TORO
EL TORO, CALIFORNIA
INSTALLATION RESTORATION PROGRAM
PHASE I REMEDIAL INVESTIGATION
DRAFT TECHNICAL MEMORANDUM
7 May 1993

VOLUME III

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Appendix C

DATA ON MINIMUM/MAXIMUM CONCENTRATIONS AND TENTATIVELY IDENTIFIED COMPOUNDS

C1: Summaries of Analytes and Minimum/Maximum Concentrations

C2: Summaries of Tentatively Identified Compounds (TICs) in RI Samples

Appendix C1

Summaries of Analytes and Minimum/Maximum Concentrations

Table C - 2a

Site 2: Summary of Analytes and Minimum / Maximum Concentrations
Surface Water and Sediments

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
ALKALINITY AS CACO3	MG/L	4	4	4		02_MM1	54		02_EF2	1
BICARBONATE	MG/L	4	4	4		02_MM1	66		02_EF2	1
CARBONATE	MG/L	4	4	0		02_WF1	0		02_WF1	0
CHLORIDE	MG/L	4	4	2.34		02_MM1	15.3		02_EF1	0.06
CYANIDE	UG/L	4	0	3	U	-	3	U	-	3
NITRATE/NITRITE-N	MG/L	4	4	0.73		02_EF1	1.15		02_MM1	0.05
SULFATE	MG/L	4	4	1		02_MM1	86.2		02_WF1	0.11
TOTAL DISSOLVED SOLIDS	MG/L	4	4	8		02_MM1	320		02_WF1	3
METALS										
ALUMINUM	UG/L	4	3	39.4	U	-	401		02_EF2	39.4
ANTIMONY	UG/L	4	0	10.7	U	-	10.7	U	-	10.7
ARSENIC	UG/L	4	3	1.5	U	-	2	b	02_EF2	1
BARIUM	UG/L	4	4	33.2	b	02_MM1	111	b	02_EF1	0.5
BERYLLIUM	UG/L	4	0	0.22	U	-	0.22	U	-	0.2
CADMIUM	UG/L	4	0	3	U	-	3	U	-	3
CALCIUM	UG/L	4	3	453	U	-	32700		02_WF1	16.1
CHROMIUM	UG/L	4	0	2.9	U	-	2.9	U	-	2.9
COBALT	UG/L	4	0	3.3	U	-	3.3	U	-	3.3
COPPER	UG/L	4	3	2.3	U	-	9.4	b	02_WF1	2.3
IRON	UG/L	4	3	30.4	U	-	372		02_EF2	5.2
LEAD	UG/L	4	0	1.4	U	-	1.4	U	-	1.4
MAGNESIUM	UG/L	4	4	90.3	b	02_MM1	7030		02_WF1	51
MANGANESE	UG/L	4	4	1.2	b	02_MM1	5.1	b	02_EF2	1.1
MERCURY	UG/L	4	0	0.07	U	-	0.14	U	-	0.1
NICKEL	UG/L	4	3	5.3	U	-	6.7	b	02_EF2	5.3
POTASSIUM	UG/L	4	3	677	U	-	3210	b	02_WF1	677
SELENIUM	UG/L	4	1	2.1	U	-	2.3	b	02_WF1	2.1
SILVER	UG/L	4	0	2	U	-	2	U	-	2
SODIUM	UG/L	4	3	4310	U	-	20900		02_EF1	40.9
THALLIUM	UG/L	4	1	1.6	U	-	1.8	b	02_EF2	1.6
VANADIUM	UG/L	4	3	2.6	U	-	8	b	02_EF2	2.6
ZINC	UG/L	4	4	13.5	b	02_EF1	20.4		02_WF1	9.6

Table C - 2a

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/L	4	0	1	U	-	10	U	-	1
1,1,2,2-TETRACHLOROETHANE	UG/L	4	0	1	U	-	10	U	-	1
1,1,2-TRICHLOROETHANE	UG/L	4	0	1	U	-	10	U	-	1
1,1-DICHLOROETHANE	UG/L	4	0	1	U	-	10	U	-	1
1,1-DICHLOROETHENE	UG/L	4	0	1	U	-	10	U	-	1
1,2-DICHLOROETHANE	UG/L	4	0	1	U	-	10	U	-	1
1,2-DICHLOROETHENE (TOTAL)	UG/L	4	0	1	U	-	10	U	-	1
1,2-DICHLOROPROPANE	UG/L	4	0	1	U	-	10	U	-	1
2-BUTANONE	UG/L	4	0	2	U	-	20	U	-	2
2-HEXANONE	UG/L	4	0	2	U	-	20	U	-	2
4-METHYL-2-PENTANONE	UG/L	4	0	2	U	-	20	U	-	2
ACETONE	UG/L	4	1	2	U	-	6		02_EF1	2
BENZENE	UG/L	4	0	1	U	-	10	U	-	1
BROMODICHLOROMETHANE	UG/L	4	0	1	U	-	10	U	-	1
BROMOFORM	UG/L	4	0	1	U	-	10	U	-	1
BROMOMETHANE (METHYL BROMIDE)	UG/L	4	0	2	U	-	20	U	-	2
CARBON DISULFIDE	UG/L	4	0	1	U	-	10	U	-	1
CARBON TETRACHLORIDE	UG/L	4	0	1	U	-	10	U	-	1
CHLOROBENZENE	UG/L	4	0	1	U	-	10	U	-	1
CHLORODIBROMOMETHANE	UG/L	4	0	1	U	-	10	U	-	1
CHLOROETHANE	UG/L	4	0	2	U	-	20	U	-	2
CHLOROFORM	UG/L	4	0	1	U	-	10	U	-	1
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	4	0	2	U	-	20	U	-	2
CIS-1,3-DICHLOROPROPENE	UG/L	4	0	1	U	-	10	U	-	1
ETHYLBENZENE	UG/L	4	0	1	U	-	10	U	-	1
METHYLENE CHLORIDE	UG/L	4	0	1	U	-	6	U	-	1
STYRENE	UG/L	4	0	1	U	-	10	U	-	1
TETRACHLOROETHENE	UG/L	4	0	1	U	-	10	U	-	1
TOLUENE	UG/L	4	0	1	U	-	10	U	-	1
TRANS-1,3-DICHLOROPROPENE	UG/L	4	0	1	U	-	10	U	-	1
TRICHLOROETHYLENE	UG/L	4	0	1	U	-	10	U	-	1
VINYL ACETATE	UG/L	4	0	2	U	-	20	U	-	2

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
VINYL CHLORIDE	UG/L	4	0	2	U	-	20	U	-	2
XYLENE (TOTAL)	UG/L	4	0	1	U	-	10	U	-	1
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/L	4	0	10	U	-	10	U	-	10
1,2-DICHLOROBENZENE	UG/L	4	0	10	U	-	10	U	-	10
1,3-DICHLOROBENZENE	UG/L	4	0	10	U	-	10	U	-	10
1,4-DICHLOROBENZENE	UG/L	4	0	10	U	-	10	U	-	10
2,4,5-TRICHLOROPHENOL	UG/L	4	0	25	U	-	25	U	-	25
2,4,6-TRICHLOROPHENOL	UG/L	4	0	10	U	-	10	U	-	10
2,4-DICHLOROPHENOL	UG/L	4	0	10	U	-	10	U	-	10
2,4-DIMETHYLPHENOL	UG/L	4	0	10	U	-	10	U	-	10
2,4-DINITROPHENOL	UG/L	4	0	25	U	-	25	U	-	25
2,4-DINITROTOLUENE	UG/L	4	0	10	U	-	10	U	-	10
2,6-DINITROTOLUENE	UG/L	4	0	10	U	-	10	U	-	10
2-CHLORONAPHTHALENE	UG/L	4	0	10	U	-	10	U	-	10
2-CHLOROPHENOL	UG/L	4	0	10	U	-	10	U	-	10
2-METHYLNAPHTHALENE	UG/L	4	0	10	U	-	10	U	-	10
2-METHYLPHENOL	UG/L	4	0	10	U	-	10	U	-	10
2-NITROANILINE	UG/L	4	0	25	U	-	25	U	-	25
2-NITROPHENOL	UG/L	4	0	10	U	-	10	U	-	10
3,3'-DICHLOROBENZIDINE	UG/L	4	0	10	U	-	10	U	-	10
3-NITROANILINE	UG/L	4	0	25	U	-	25	U	-	25
4,6-DINITRO-2-METHYLPHENOL	UG/L	4	0	25	U	-	25	U	-	25
4-BROMOPHENYL PHENYL ETHER	UG/L	4	0	10	U	-	10	U	-	10
4-CHLORO-3-METHYLPHENOL	UG/L	4	0	10	U	-	10	U	-	10
4-CHLOROANILINE	UG/L	4	0	10	U	-	10	U	-	10
4-CHLOROPHENYL PHENYL ETHER	UG/L	4	0	10	U	-	10	U	-	10
4-METHYLPHENOL	UG/L	4	0	10	U	-	10	U	-	10
4-NITROANILINE	UG/L	4	0	25	U	-	25	U	-	25
4-NITROPHENOL	UG/L	4	0	25	U	-	25	U	-	25
ACENAPHTHENE	UG/L	4	0	10	U	-	10	U	-	10
ACENAPHTHYLENE	UG/L	4	0	10	U	-	10	U	-	10
ANTHRACENE	UG/L	4	0	10	U	-	10	U	-	10

Table C - 2a

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BENZO(A)ANTHRACENE	UG/L	4	0	10	U	-	10	U	-	10
BENZO(A)PYRENE	UG/L	4	0	10	U	-	10	U	-	10
BENZO(B)FLUORANTHENE	UG/L	4	0	10	U	-	10	U	-	10
BENZO(GHI)PERYLENE	UG/L	4	0	10	U	-	10	U	-	10
BENZO(K)FLUORANTHENE	UG/L	4	0	10	U	-	10	U	-	10
BENZYL BUTYL PHTHALATE	UG/L	4	0	10	U	-	10	U	-	10
BIS(2-CHLOROETHOXY) METHANE	UG/L	4	0	10	U	-	10	U	-	10
BIS(2-CHLOROETHYL)ETHER	UG/L	4	0	10	U	-	10	U	-	10
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	4	0	10	U	-	10	U	-	10
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	4	0	10	U	-	10	U	-	10
CARBAZOLE	UG/L	4	0	10	U	-	10	U	-	10
CHRYSENE	UG/L	4	0	10	U	-	10	U	-	10
DI-N-BUTYL PHTHALATE	UG/L	4	0	10	U	-	10	U	-	10
DI-N-OCTYL PHTHALATE	UG/L	4	0	10	U	-	10	U	-	10
DIBENZO(A,H)ANTHRACENE	UG/L	4	0	10	U	-	10	U	-	10
DIBENZOFURAN	UG/L	4	0	10	U	-	10	U	-	10
DIETHYL PHTHALATE	UG/L	4	0	10	U	-	10	U	-	10
DIMETHYL PHTHALATE	UG/L	4	0	10	U	-	10	U	-	10
FLUORANTHENE	UG/L	4	0	10	U	-	10	U	-	10
FLUORENE	UG/L	4	0	10	U	-	10	U	-	10
HEXACHLOROBENZENE	UG/L	4	0	10	U	-	10	U	-	10
HEXACHLOROBUTADIENE	UG/L	4	0	10	U	-	10	U	-	10
HEXACHLOROCYCLOPENTADIENE	UG/L	4	0	10	U	-	10	U	-	10
HEXACHLOROETHANE	UG/L	4	0	10	U	-	10	U	-	10
INDENO(1,2,3-CD)PYRENE	UG/L	4	0	10	U	-	10	U	-	10
ISOPHORONE	UG/L	4	0	10	U	-	10	U	-	10
N-NITROSODIPHENYLAMINE	UG/L	4	0	10	U	-	10	U	-	10
N-NITROSODIPROPYLAMINE	UG/L	4	0	10	U	-	10	U	-	10
NAPHTHALENE	UG/L	4	0	10	U	-	10	U	-	10
NITROBENZENE	UG/L	4	0	10	U	-	10	U	-	10
PENTACHLOROPHENOL	UG/L	4	0	25	U	-	25	U	-	25
PHENANTHRENE	UG/L	4	0	10	U	-	10	U	-	10
PHENOL	UG/L	4	0	10	U	-	10	U	-	10

Table C - 2a

Site 2: Summary of Analytes and Minimum / Maximum Concentrations
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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
PYRENE	UG/L	4	0	10	U	-	10	U	-	10
PESTICIDES AND PCBs										
4,4'-DDD	UG/L	4	0	0.01	U	-	0.1	U	-	0.1
4,4'-DDE	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
4,4'-DDT	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
ALDRIN	UG/L	4	0	0.05	U	-	0.05	U	-	0.1
ALPHA-CHLORDANE	UG/L	4	0	0.05	U	-	0.05	U	-	0.1
BHC-ALPHA	UG/L	4	0	0.05	U	-	0.05	U	-	0.1
BHC-BETA	UG/L	4	0	0.05	U	-	0.05	U	-	0.1
BHC-DELTA	UG/L	4	0	0.05	U	-	0.05	U	-	0.1
BHC-GAMMA(LINDANE)	UG/L	4	0	0.05	U	-	0.05	U	-	0.1
DIELDRIN	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
ENDOSULFAN I	UG/L	4	0	0.05	U	-	0.05	U	-	0.1
ENDOSULFAN II	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
ENDOSULFAN SULFATE	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
ENDRIN	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
ENDRIN ALDEHYDE	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
ENDRIN KETONE	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
GAMMA-CHLORDANE	UG/L	4	0	0.05	U	-	0.05	U	-	0.1
HEPTACHLOR	UG/L	4	0	0.05	U	-	0.05	U	-	0.1
HEPTACHLOR EPOXIDE	UG/L	4	0	0.05	U	-	0.05	U	-	0.1
METHOXYCHLOR	UG/L	4	0	0.5	U	-	0.5	U	-	0.5
PCB-1016	UG/L	4	0	1	U	-	1	U	-	1
PCB-1221	UG/L	4	0	2	U	-	2	U	-	2
PCB-1232	UG/L	4	0	1	U	-	1	U	-	1
PCB-1242	UG/L	4	0	1	U	-	1	U	-	1
PCB-1248	UG/L	4	0	1	U	-	1	U	-	1
PCB-1254	UG/L	4	0	1	U	-	1	U	-	1
PCB-1260	UG/L	4	0	1	U	-	1	U	-	1
TOXAPHENE	UG/L	4	0	5	U	-	5	U	-	5
HERBICIDES										
2,4 DICHLOROPHENOXY ACETIC ACID	UG/L	4	0	0.5	U	-	0.5	U	-	0.5
2,4,5-T	UG/L	4	0	0.25	U	-	0.25	U	-	0.2

Table C - 2a

Site 2: Summary of Analytes and Minimum / Maximum Concentrations
Surface Water and Sediments

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4,5-TP (SILVEX)	UG/L	4	0	0.25	U	-	0.25	U	-	0.2
2,4-DB	UG/L	4	0	0.5	U	-	0.5	U	-	0.5
DALAPON	UG/L	4	0	0.5	U	-	0.5	U	-	0.5
DICAMBA	UG/L	4	0	0.5	U	-	0.5	U	-	0.5
DICHLOROPROP	UG/L	4	0	0.5	U	-	0.5	U	-	0.5
DINOSEB	UG/L	4	0	0.25	U	-	0.25	U	-	0.2
MCPA	UG/L	4	0	250	U	-	250	U	-	250
MCPP	UG/L	4	0	250	U	-	250	U	-	250
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	UG/L	4	1	250	U	-	408		02_MM1	250
TFH GASOLINE	UG/L	4	0	50	U	-	50	U	-	50
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/L	4	0	0.44	U	-	0.44	U	-	0.44
GROSS ALPHA AND BETA										
GROSS ALPHA	PCI/L	4	4	5.4		02_WF1	8.6		02_EF2	2.3
GROSS BETA	PCI/L	4	4	14.3		02_MM1	127		02_EF1	8.8

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 3a

Site 3: Summary of Analytes and Minimum / Maximum Concentrations
Surface Water and Sediments

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
ALKALINITY AS CACO3	MG/L	5	5	32		03_AC3	108		03_AC2	0
BICARBONATE	MG/L	5	5	39		03_AC3	132		03_AC2	0
CARBONATE	MG/L	5	5	0		03_AC3	0		03_AC3	0
CHLORIDE	MG/L	5	5	5.09		03_AC3	70.2		03_AC2	0
CYANIDE	UG/L	3	1	3	U	-	3.1	B	03_AC2	3
NITRATE/NITRITE-N	MG/L	3	3	2.31		03_AC2	3.3		03_AC3	0.5
PH	MG/L	3	3	6.88		03_AC1	6.94		03_AC3	0
SULFATE	MG/L	5	5	12.3		03_AC3	207		03_AC2	0
TOTAL DISSOLVED SOLIDS	MG/L	5	5	42		03_AC3	527		03_AC2	0
METALS										
ALUMINUM	UG/L	3	3	510		03_AC1	635		03_AC3	39.4
ALUMINUM		1	1	73.6	B	03_AC2	73.6	B	03_AC2	12.5
ANTIMONY	UG/L	3	0	10.7	U	-	10.7	U	-	10.7
ANTIMONY		1	0	15.2	U	-	15.2	U	-	15.2
ARSENIC	UG/L	3	3	1.4	b	03_AC2	2	b	03_AC1	1
ARSENIC		1	1	3.4	B	03_AC2	3.4	B	03_AC2	0.6
BARIUM	UG/L	3	3	97	b	03_AC2	123	b	03_AC1	0.5
BARIUM		1	1	158	B	03_AC2	158	B	03_AC2	0.2
BERYLLIUM	UG/L	3	0	0.22	U	-	0.22	U	-	0.2
BERYLLIUM		1	0	0.4	U	-	0.4	U	-	0.4
CADMIUM	UG/L	3	0	3	U	-	3	U	-	3
CADMIUM		1	1	76.4		03_AC2	76.4		03_AC2	1.6
CALCIUM	UG/L	3	3	16700		03_AC2	24600		03_AC1	16.1
CALCIUM		1	1	56500		03_AC2	56500		03_AC2	10
CHROMIUM	UG/L	3	0	2.9	U	-	2.9	U	-	2.9
CHROMIUM		1	1	7.2	B	03_AC2	7.2	B	03_AC2	3.2
COBALT	UG/L	3	0	3.3	U	-	3.3	U	-	3.3
COBALT		1	0	5.1	U	-	5.1	U	-	5.1
COPPER	UG/L	3	3	10.9	b	03_AC2	14	b	03_AC3	2.3
COPPER		1	1	15.1	B	03_AC2	15.1	B	03_AC2	0.9
IRON	UG/L	3	3	414		03_AC1	528		03_AC3	5.2
IRON		1	1	22.2	B	03_AC2	22.2	B	03_AC2	2.6
LEAD	UG/L	3	1	1.4	b	03_AC1	1.4	b	03_AC1	1.4
LEAD		1	1	1.3	B	03_AC2	1.3	B	03_AC2	0.7

Table C - 3a

Site 3: Summary of Analytes and Minimum / Maximum Concentrations
Surface Water and Sediments

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
MAGNESIUM	UG/L	3	3	4510	b	03_AC2	7240		03_AC1	51
MAGNESIUM		1	1	21800		03_AC2	21800		03_AC2	16.8
MANGANESE	UG/L	3	3	5.3	b	03_AC3	6.6	b	03_AC1	1.1
MANGANESE		1	1	14.5	B	03_AC2	14.5	B	03_AC2	0.9
MERCURY	UG/L	3	0	0.08	U	-	0.09	U	-	0.08
MERCURY		1	0	0.1	U	-	0.1	U	-	0.1
NICKEL	UG/L	3	2	5.3	U	-	9.9	b	03_AC1	5.3
NICKEL		1	1	9.4	B	03_AC2	9.4	B	03_AC2	9.3
POTASSIUM	UG/L	3	3	2250	b	03_AC2	3660	b	03_AC1	677
POTASSIUM		1	1	3750	B	03_AC2	3750	B	03_AC2	250
SELENIUM	UG/L	3	0	2.1	U	-	2.1	U	-	2.1
SELENIUM		1	1	1.3	B	03_AC2	1.3	B	03_AC2	0.5
SILVER	UG/L	3	0	2	U	-	2	U	-	2
SILVER		1	0	1.1	U	-	1.1	U	-	1.1
SODIUM	UG/L	3	3	9680		03_AC2	13300		03_AC1	40.9
SODIUM		1	1	74300		03_AC2	74300		03_AC2	10
THALLIUM	UG/L	3	0	1.6	U	-	1.6	U	-	1.6
THALLIUM		1	0	0.9	U	-	0.9	U	-	0.9
VANADIUM	UG/L	3	3	6.1	b	03_AC2	7.2	b	03_AC3	2.6
VANADIUM		1	1	4.2	B	03_AC2	4.2	B	03_AC2	1.2
ZINC	UG/L	3	3	26.8		03_AC2	33.6		03_AC1	9.6
ZINC		1	1	39.4		03_AC2	39.4		03_AC2	0.05
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/L	6	0	1	U	-	10	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/L	6	0	1	U	-	10	U	-	10
1,1,2-TRICHLOROETHANE	UG/L	6	0	1	U	-	10	U	-	10
1,1-DICHLOROETHANE	UG/L	6	0	1	U	-	10	U	-	10
1,1-DICHLOROETHENE	UG/L	6	0	1	U	-	10	U	-	10
1,2-DICHLOROETHANE	UG/L	6	0	1	U	-	10	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/L	6	0	1	U	-	10	U	-	10
1,2-DICHLOROPROPANE	UG/L	6	0	1	U	-	10	U	-	10
2-BUTANONE	UG/L	6	1	2		03_ACX	2		03_ACX	10
2-HEXANONE	UG/L	6	0	2	U	-	10	U	-	10
4-METHYL-2-PENTANONE	UG/L	6	0	2	U	-	10	U	-	10
ACETONE	UG/L	6	3	2	U	-	39	B	03_ACX	10

Table C - 3a

Site 3: Summary of Analytes and Minimum / Maximum Concentrations
Surface Water and Sediments

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BENZENE	UG/L	6	0	1	U	-	10	U	-	10
BROMODICHLOROMETHANE	UG/L	6	0	1	U	-	10	U	-	10
BROMOFORM	UG/L	6	0	1	U	-	10	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/L	6	0	2	U	-	10	U	-	10
CARBON DISULFIDE	UG/L	6	1	1		03_ACX	1		03_ACX	10
CARBON TETRACHLORIDE	UG/L	6	0	1	U	-	10	U	-	10
CHLOROBENZENE	UG/L	6	0	1	U	-	10	U	-	10
CHLORODIBROMOMETHANE	UG/L	6	1	0.5	J	03_ACX	0.5	J	03_ACX	10
CHLOROETHANE	UG/L	6	0	2	U	-	10	U	-	10
CHLOROFORM	UG/L	6	0	1	U	-	10	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	6	3	1	J	03_AC2	3		03_AC3	10
CIS-1,3-DICHLOROPROPENE	UG/L	6	0	1	U	-	10	U	-	10
ETHYLBENZENE	UG/L	6	0	1	U	-	10	U	-	10
METHYLENE CHLORIDE	UG/L	6	0	1	U	-	10	U	-	10
STYRENE	UG/L	6	0	1	U	-	10	U	-	10
TETRACHLOROETHENE	UG/L	6	0	1	U	-	10	U	-	10
TOLUENE	UG/L	6	0	1	U	-	10	U	-	10
TRANS-1,3-DICHLOROPROPENE	UG/L	6	0	1	U	-	10	U	-	10
TRICHLOROETHYLENE	UG/L	6	0	1	U	-	10	U	-	10
VINYL ACETATE	UG/L	4	0	2	U	-	2	U	-	2
VINYL CHLORIDE	UG/L	6	0	2	U	-	10	U	-	10
XYLENE (TOTAL)	UG/L	6	0	1	U	-	10	U	-	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/L	5	0	10	U	-	10	U	-	10
1,2-DICHLOROBENZENE	UG/L	5	0	10	U	-	10	U	-	10
1,3-DICHLOROBENZENE	UG/L	5	0	10	U	-	10	U	-	10
1,4-DICHLOROBENZENE	UG/L	5	0	10	U	-	10	U	-	10
2,4,5-TRICHLOROPHENOL	UG/L	5	0	25	U	-	25	U	-	25
2,4,6-TRICHLOROPHENOL	UG/L	5	0	10	U	-	10	U	-	10
2,4-DICHLOROPHENOL	UG/L	5	0	10	U	-	10	U	-	10
2,4-DIMETHYLPHENOL	UG/L	5	0	10	U	-	10	U	-	10
2,4-DINITROPHENOL	UG/L	5	0	25	U	-	25	U	-	25
2,4-DINITROTOLUENE	UG/L	5	0	10	U	-	10	U	-	10
2,6-DINITROTOLUENE	UG/L	5	0	10	U	-	10	U	-	10
2-CHLORONAPHTHALENE	UG/L	5	0	10	U	-	10	U	-	10

Table C - 3a

Site 3: Summary of Analytes and Minimum / Maximum Concentrations
Surface Water and Sediments

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-CHLOROPHENOL	UG/L	5	0	10	U	-	10	U	-	10
2-METHYLNAPHTHALENE	UG/L	5	0	10	U	-	10	U	-	10
2-METHYLPHENOL	UG/L	5	0	10	U	-	10	U	-	10
2-NITROANILINE	UG/L	5	0	25	U	-	25	U	-	25
2-NITROPHENOL	UG/L	5	0	10	U	-	10	U	-	10
3,3'-DICHLOROBENZIDINE	UG/L	5	0	10	U	-	10	U	-	10
3-NITROANILINE	UG/L	5	0	25	U	-	25	U	-	25
4,6-DINITRO-2-METHYLPHENOL	UG/L	5	0	25	U	-	25	U	-	25
4-BROMOPHENYL PHENYL ETHER	UG/L	5	0	10	U	-	10	U	-	10
4-CHLORO-3-METHYLPHENOL	UG/L	5	0	10	U	-	10	U	-	10
4-CHLOROANILINE	UG/L	5	0	10	U	-	10	U	-	10
4-CHLOROPHENYL PHENYL ETHER	UG/L	5	0	10	U	-	10	U	-	10
4-METHYLPHENOL	UG/L	5	0	10	U	-	10	U	-	10
4-NITROANILINE	UG/L	5	0	25	U	-	25	U	-	25
4-NITROPHENOL	UG/L	5	0	25	U	-	25	U	-	25
ACENAPHTHENE	UG/L	5	0	10	U	-	10	U	-	10
ACENAPHTHYLENE	UG/L	5	0	10	U	-	10	U	-	10
ANTHRACENE	UG/L	5	0	10	U	-	10	U	-	10
BENZO(A)ANTHRACENE	UG/L	5	0	10	U	-	10	U	-	10
BENZO(A)PYRENE	UG/L	5	0	10	U	-	10	U	-	10
BENZO(B)FLUORANTHENE	UG/L	5	0	10	U	-	10	U	-	10
BENZO(GHI)PERYLENE	UG/L	5	0	10	U	-	10	U	-	10
BENZO(K)FLUORANTHENE	UG/L	5	0	10	U	-	10	U	-	10
BENZYL BUTYL PHTHALATE	UG/L	5	0	10	U	-	10	U	-	10
BIS(2-CHLOROETHOXY) METHANE	UG/L	5	0	10	U	-	10	U	-	10
BIS(2-CHLOROETHYL)ETHER	UG/L	5	0	10	U	-	10	U	-	10
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	5	0	10	U	-	10	U	-	10
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	5	1	10	U	-	15		03_AC2	10
CARBAZOLE	UG/L	5	0	10	U	-	10	U	-	10
CHRYSENE	UG/L	5	0	10	U	-	10	U	-	10
DI-N-BUTYL PHTHALATE	UG/L	5	0	10	U	-	10	U	-	10
DI-N-OCTYL PHTHALATE	UG/L	5	0	10	U	-	10	U	-	10
DIBENZO(A,H)ANTHRACENE	UG/L	5	0	10	U	-	10	U	-	10
DIBENZOFURAN	UG/L	5	0	10	U	-	10	U	-	10
DIETHYL PHTHALATE	UG/L	5	0	10	U	-	10	U	-	10

Table C - 3a

Site 3: Summary of Analytes and Minimum / Maximum Concentrations
Surface Water and Sediments

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
DIMETHYL PHTHALATE	UG/L	5	0	10	U	-	10	U	-	10
FLUORANTHENE	UG/L	5	0	10	U	-	10	U	-	10
FLUORENE	UG/L	5	0	10	U	-	10	U	-	10
HEXACHLOROBENZENE	UG/L	5	0	10	U	-	10	U	-	10
HEXACHLOROBUTADIENE	UG/L	5	0	10	U	-	10	U	-	10
HEXACHLOROCYCLOPENTADIENE	UG/L	5	0	10	U	-	10	U	-	10
HEXACHLOROETHANE	UG/L	5	0	10	U	-	10	U	-	10
INDENO(1,2,3-CD)PYRENE	UG/L	5	0	10	U	-	10	U	-	10
ISOPHORONE	UG/L	5	0	10	U	-	10	U	-	10
N-NITROSODIPHENYLAMINE	UG/L	5	0	10	U	-	10	U	-	10
N-NITROSODIPROPYLAMINE	UG/L	5	0	10	U	-	10	U	-	10
NAPHTHALENE	UG/L	5	0	10	U	-	10	U	-	10
NITROBENZENE	UG/L	5	0	10	U	-	10	U	-	10
PENTACHLOROPHENOL	UG/L	5	0	25	U	-	25	U	-	25
PHENANTHRENE	UG/L	5	0	10	U	-	10	U	-	10
PHENOL	UG/L	5	0	10	U	-	10	U	-	10
PYRENE	UG/L	5	0	10	U	-	10	U	-	10
PESTICIDES AND PCBs										
4,4'-DDD	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
4,4'-DDE	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
4,4'-DDT	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
ALDRIN	UG/L	4	0	0.05	U	-	0.05	U	-	0.05
ALPHA-CHLORDANE	UG/L	4	0	0.05	U	-	0.05	U	-	0.05
BHC-ALPHA	UG/L	4	0	0.05	U	-	0.05	U	-	0.05
BHC-BETA	UG/L	4	0	0.05	U	-	0.05	U	-	0.05
BHC-DELTA	UG/L	4	0	0.05	U	-	0.05	U	-	0.05
BHC-GAMMA(LINDANE)	UG/L	4	0	0.05	U	-	0.05	U	-	0.05
DIELDRIN	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
ENDOSULFAN I	UG/L	4	0	0.05	U	-	0.05	U	-	0.05
ENDOSULFAN II	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
ENDOSULFAN SULFATE	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
ENDRIN	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
ENDRIN ALDEHYDE	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
ENDRIN KETONE	UG/L	4	0	0.1	U	-	0.1	U	-	0.1
GAMMA-CHLORDANE	UG/L	4	1	0.01		03_AC1	0.01		03_AC1	0.05

Table C - 3a

Site 3: Summary of Analytes and Minimum / Maximum Concentrations
Surface Water and Sediments

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
HEPTACHLOR	UG/L	4	0	0.05	U	-	0.05	U	-	0.05
HEPTACHLOR EPOXIDE	UG/L	4	0	0.05	U	-	0.05	U	-	0.05
METHOXYCHLOR	UG/L	4	0	0.5	U	-	0.5	U	-	0.5
PCB-1016	UG/L	4	0	1	U	-	1	U	-	1
PCB-1221	UG/L	4	0	2	U	-	2	U	-	2
PCB-1232	UG/L	4	0	1	U	-	1	U	-	1
PCB-1242	UG/L	4	0	1	U	-	1	U	-	1
PCB-1248	UG/L	4	0	1	U	-	1	U	-	1
PCB-1254	UG/L	4	0	1	U	-	1	U	-	1
PCB-1260	UG/L	4	0	1	U	-	1	U	-	1
TOXAPHENE	UG/L	4	0	5	U	-	5	U	-	5
HERBICIDES										
2,4 DICHLOROPHENOXY ACETIC ACID	UG/L	3	0	0.5	U	-	0.5	U	-	0.5
2,4,5-T	UG/L	3	0	0.25	U	-	0.25	U	-	0.2
2,4,5-TP (SILVEX)	UG/L	3	0	0.25	U	-	0.25	U	-	0.2
2,4-DB	UG/L	3	0	0.5	U	-	0.5	U	-	0.5
DALAPON	UG/L	3	0	0.5	U	-	0.5	U	-	0.5
DICAMBA	UG/L	3	0	0.5	U	-	0.5	U	-	0.5
DICHLOROPROP	UG/L	3	0	0.5	U	-	0.5	U	-	0.5
DINOSEB	UG/L	3	0	0.25	U	-	0.25	U	-	0.2
MCPA	UG/L	3	0	250	U	-	250	U	-	250
MCPP	UG/L	3	0	250	U	-	250	U	-	250
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	UG/L	3	0	250	U	-	250	U	-	250
TFH GASOLINE	UG/L	3	0	50	U	-	50	U	-	50
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/L	3	0	0.44	U	-	0.44	U	-	0.44

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

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Site 18: Summary of Analytes and Minimum / Maximum Concentrations
Surface Water and Sediments

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
ALKALINITY AS CACO3	MG/L	25	25	1		18_AC1R	90		18_BE1	0
BICARBONATE	MG/L	25	25	1		18_AC1R	109		18_BE1	0
CARBONATE	MG/L	25	25	0		18_MC2	0		18_MC2	0
CHLORIDE	MG/L	25	25	0.01		18_MC1R	68.5		18_MC1	0
CYANIDE	UG/L	13	0	3	U	-	3	U	-	3
NITRATE/NITRITE-N	MG/L	13	13	0.87		18_BE2	6.34		18_MC1	0.05
SULFATE	MG/L	25	25	0.02		18_MC1R	184		18_MC1	0
TOTAL DISSOLVED SOLIDS	MG/L	25	25	3		18_MC1R	682		18_MC1	0
METALS										
ALUMINUM	UG/L	24	14	12.5	U	-	876		18_BE2	12.5
ANTIMONY	UG/L	24	0	10.7	U	-	15.2	U	-	15.2
ARSENIC	UG/L	24	11	1	U	-	8.3	b	18_BE1	0.6
BARIUM	UG/L	24	23	16.1	U	-	174	b	18_MC1	0.2
BERYLLIUM	UG/L	24	0	0.22	U	-	0.83	U	-	0.4
CADMIUM	UG/L	24	5	1.6	U	-	4	b	18_AC1	1.6
CALCIUM	UG/L	24	23	165	U	-	71300		18_DC1	10
CHROMIUM	UG/L	24	1	2.9	U	-	6	b	18_BE1	3.2
COBALT	UG/L	24	0	3.3	U	-	5.1	U	-	5.1
COPPER	UG/L	24	15	0.9	U	-	590		18_BE2	0.9
IRON	UG/L	24	15	18.8	U	-	723		18_MC1	2.6
LEAD	UG/L	24	9	0.7	U	-	6.7		18_MC1	0.7
MAGNESIUM	UG/L	24	23	16.9	U	-	25000		18_MC1	16.8
MANGANESE	UG/L	24	22	0.9	U	-	232		18_MC1	0.9
MERCURY	UG/L	24	1	0.08	U	-	0.93		18_MC2	0.1
NICKEL	UG/L	24	7	5.3	U	-	21.7	b	18_DCBE	9.3
POTASSIUM	UG/L	24	23	250	U	-	21200		18_MC1	250
SELENIUM	UG/L	24	0	0.5	U	-	2.1	U	-	0.5
SILVER	UG/L	24	0	1.1	U	-	2	U	-	1.1
SODIUM	UG/L	24	24	503	b	18_MC1	725100		18_MC2	10
THALLIUM	UG/L	24	0	0.9	U	-	1.6	U	-	0.9
VANADIUM	UG/L	24	19	1.2	U	-	13.4	b	18_BE2	1.2
ZINC	UG/L	24	22	5.2	U	-	248		18_BE2	9.6

Table C - 18a

Site 18: Summary of Analytes and Minimum / Maximum Concentrations
Surface Water and Sediments

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/L	36	0	1	U	-	10	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/L	36	0	1	U	-	10	U	-	10
1,1,2-TRICHLOROETHANE	UG/L	36	0	1	U	-	10	U	-	10
1,1-DICHLOROETHANE	UG/L	36	0	1	U	-	10	U	-	10
1,1-DICHLOROETHENE	UG/L	36	0	1	U	-	10	U	-	10
1,2-DICHLOROETHANE	UG/L	36	0	1	U	-	10	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/L	36	0	1	U	-	10	U	-	10
1,2-DICHLOROPROPANE	UG/L	36	0	1	U	-	10	U	-	10
2-BUTANONE	UG/L	36	1	2	U	-	13		18_AC2	10
2-HEXANONE	UG/L	36	0	2	U	-	10	U	-	10
4-METHYL-2-PENTANONE	UG/L	36	0	2	U	-	10	U	-	10
ACETONE	UG/L	36	4	2	U	-	7		18_MC1	10
BENZENE	UG/L	36	0	1	U	-	10	U	-	10
BROMODICHLOROMETHANE	UG/L	36	0	1	U	-	10	U	-	10
BROMOFORM	UG/L	36	0	1	U	-	10	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/L	36	0	2	U	-	10	U	-	10
CARBON DISULFIDE	UG/L	36	0	1	U	-	10	U	-	10
CARBON TETRACHLORIDE	UG/L	36	1	1	U	-	1		18_BE2	10
CHLOROBENZENE	UG/L	36	0	1	U	-	10	U	-	10
CHLORODIBROMOMETHANE	UG/L	36	0	1	U	-	10	U	-	10
CHLOROETHANE	UG/L	36	0	2	U	-	10	U	-	10
CHLOROFORM	UG/L	36	3	1	U	-	46		18_MC1	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	36	9	0.6	J	18_AC2	4		18_BE1	10
CIS-1,3-DICHLOROPROPENE	UG/L	36	0	1	U	-	10	U	-	10
ETHYLBENZENE	UG/L	36	0	1	U	-	10	U	-	10
METHYLENE CHLORIDE	UG/L	36	0	1	U	-	10	U	-	10
STYRENE	UG/L	36	0	1	U	-	10	U	-	10
TETRACHLOROETHENE	UG/L	36	0	1	U	-	10	U	-	10
TOLUENE	UG/L	36	1	0.7	J	18_MC1	0.7	J	18_MC1	10
TRANS-1,3-DICHLOROPROPENE	UG/L	36	0	1	U	-	10	U	-	10
TRICHLOROETHYLENE	UG/L	36	0	1	U	-	10	U	-	10
VINYL ACETATE	UG/L	13	0	2	U	-	2	U	-	2

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Site 18: Summary of Analytes and Minimum / Maximum Concentrations
Surface Water and Sediments

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
VINYL CHLORIDE	UG/L	36	0	2	U	-	10	U	-	10
XYLENE (TOTAL)	UG/L	36	0	1	U	-	10	U	-	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/L	38	0	10	U	-	10	U	-	10
1,2-DICHLOROBENZENE	UG/L	38	0	10	U	-	10	U	-	10
1,3-DICHLOROBENZENE	UG/L	38	0	10	U	-	10	U	-	10
1,4-DICHLOROBENZENE	UG/L	38	0	10	U	-	10	U	-	10
2,4,5-TRICHLOROPHENOL	UG/L	38	0	25	U	-	25	U	-	25
2,4,6-TRICHLOROPHENOL	UG/L	38	0	10	U	-	10	U	-	10
2,4-DICHLOROPHENOL	UG/L	38	0	10	U	-	10	U	-	10
2,4-DIMETHYLPHENOL	UG/L	38	0	10	U	-	10	U	-	10
2,4-DINITROPHENOL	UG/L	38	0	25	U	-	25	U	-	25
2,4-DINITROTOLUENE	UG/L	38	0	10	U	-	10	U	-	10
2,6-DINITROTOLUENE	UG/L	38	0	10	U	-	10	U	-	10
2-CHLORONAPHTHALENE	UG/L	38	0	10	U	-	10	U	-	10
2-CHLOROPHENOL	UG/L	38	0	10	U	-	10	U	-	10
2-METHYLNAPHTHALENE	UG/L	38	1	4	J	18_AC2	4	J	18_AC2	10
2-METHYLPHENOL	UG/L	38	0	10	U	-	10	U	-	10
2-NITROANILINE	UG/L	38	0	25	U	-	25	U	-	25
2-NITROPHENOL	UG/L	38	0	10	U	-	10	U	-	10
3,3'-DICHLOROBENZIDINE	UG/L	38	0	10	U	-	10	U	-	10
3-NITROANILINE	UG/L	38	0	25	U	-	25	U	-	25
4,6-DINITRO-2-METHYLPHENOL	UG/L	38	0	25	U	-	25	U	-	25
4-BROMOPHENYL PHENYL ETHER	UG/L	38	0	10	U	-	10	U	-	10
4-CHLORO-3-METHYLPHENOL	UG/L	38	0	10	U	-	10	U	-	10
4-CHLOROANILINE	UG/L	38	0	10	U	-	10	U	-	10
4-CHLOROPHENYL PHENYL ETHER	UG/L	38	0	10	U	-	10	U	-	10
4-METHYLPHENOL	UG/L	38	0	10	U	-	10	U	-	10
4-NITROANILINE	UG/L	38	0	25	U	-	25	U	-	25
4-NITROPHENOL	UG/L	38	2	5	J	18_BE2	5	J	18_BE2	25
ACENAPHTHENE	UG/L	38	0	10	U	-	10	U	-	10
ACENAPHTHYLENE	UG/L	38	0	10	U	-	10	U	-	10
ANTHRACENE	UG/L	38	0	10	U	-	10	U	-	10

Table C - 18a

Site 18: Summary of Analytes and Minimum / Maximum Concentrations
Surface Water and Sediments

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BENZO(A)ANTHRACENE	UG/L	38	0	10	U	-	10	U	-	10
BENZO(A)PYRENE	UG/L	38	0	10	U	-	10	U	-	10
BENZO(B)FLUORANTHENE	UG/L	38	0	10	U	-	10	U	-	10
BENZO(GHI)PERYLENE	UG/L	38	0	10	U	-	10	U	-	10
BENZO(K)FLUORANTHENE	UG/L	38	0	10	U	-	10	U	-	10
BENZYL BUTYL PHTHALATE	UG/L	38	2	3	J	18_AC2	3	J	18_AC2	10
BIS(2-CHLOROETHOXY) METHANE	UG/L	38	0	10	U	-	10	U	-	10
BIS(2-CHLOROETHYL)ETHER	UG/L	38	0	10	U	-	10	U	-	10
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	38	0	10	U	-	10	U	-	10
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	38	5	3	J	18_BE2	24		18_AC2	10
CARBAZOLE	UG/L	34	0	10	U	-	10	U	-	10
CHRYSENE	UG/L	38	0	10	U	-	10	U	-	10
DI-N-BUTYL PHTHALATE	UG/L	38	0	10	U	-	10	U	-	10
DI-N-OCTYL PHTHALATE	UG/L	38	0	10	U	-	10	U	-	10
DIBENZO(A,H)ANTHRACENE	UG/L	38	0	10	U	-	10	U	-	10
DIBENZOFURAN	UG/L	38	0	10	U	-	10	U	-	10
DIETHYL PHTHALATE	UG/L	38	0	10	U	-	10	U	-	10
DIMETHYL PHTHALATE	UG/L	38	0	10	U	-	10	U	-	10
FLUORANTHENE	UG/L	38	0	10	U	-	10	U	-	10
FLUORENE	UG/L	38	0	10	U	-	10	U	-	10
HEXACHLOROBENZENE	UG/L	38	0	10	U	-	10	U	-	10
HEXACHLOROBUTADIENE	UG/L	38	0	10	U	-	10	U	-	10
HEXACHLOROCYCLOPENTADIENE	UG/L	38	0	10	U	-	10	U	-	10
HEXACHLOROETHANE	UG/L	38	0	10	U	-	10	U	-	10
INDENO(1,2,3-CD)PYRENE	UG/L	38	0	10	U	-	10	U	-	10
ISOPHORONE	UG/L	38	0	10	U	-	10	U	-	10
N-NITROSODIPHENYLAMINE	UG/L	38	0	10	U	-	10	U	-	10
N-NITROSODIPROPYLAMINE	UG/L	38	0	10	U	-	10	U	-	10
NAPHTHALENE	UG/L	38	0	10	U	-	10	U	-	10
NITROBENZENE	UG/L	38	0	10	U	-	10	U	-	10
PENTACHLOROPHENOL	UG/L	38	0	25	U	-	25	U	-	25
PHENANTHRENE	UG/L	38	0	10	U	-	10	U	-	10
PHENOL	UG/L	38	0	10	U	-	10	U	-	10

Table C - 18a

Site 18: Summary of Analytes and Minimum / Maximum Concentrations
Surface Water and Sediments

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
PYRENE	UG/L	38	0	10	U	-	10	U	-	10
PESTICIDES AND PCBs										
4,4'-DDD	UG/L	38	0	0.1	U	-	0.1	U	-	0.1
4,4'-DDE	UG/L	38	1	0.03		18_MC2	0.03		18_MC2	0.1
4,4'-DDT	UG/L	38	2	0.01		18_AC1	0.12		18_MC1	0.1
ALDRIN	UG/L	38	0	0.05	U	-	0.05	U	-	0.05
ALPHA-CHLORDANE	UG/L	38	0	0.05	U	-	0.05	U	-	0.05
BHC-ALPHA	UG/L	38	0	0.05	U	-	0.05	U	-	0.05
BHC-BETA	UG/L	38	2	0.05	U	-	0.14		18_AC2	0.05
BHC-DELTA	UG/L	38	1	0.05	U	-	0.05	P	18_MC2	0.05
BHC-GAMMA(LINDANE)	UG/L	38	0	0.05	U	-	0.5	U	-	0.05
DIELDRIN	UG/L	38	0	0.1	U	-	0.1	U	-	0.1
ENDOSULFAN I	UG/L	38	0	0.05	U	-	0.5	U	-	0.05
ENDOSULFAN II	UG/L	38	0	0.1	U	-	0.1	U	-	0.1
ENDOSULFAN SULFATE	UG/L	38	1	0.1	U	-	0.11	P	18_MC1	0.1
ENDRIN	UG/L	34	0	0.1	U	-	0.1	U	-	0.1
ENDRIN ALDEHYDE	UG/L	38	0	0.1	U	-	0.1	U	-	0.1
ENDRIN KETONE	UG/L	38	0	0.1	U	-	0.1	U	-	0.1
GAMMA-CHLORDANE	UG/L	38	2	0		18_MC2	0.01		18_BE1	0.05
HEPTACHLOR	UG/L	38	0	0.05	U	-	0.5	U	-	0.05
HEPTACHLOR EPOXIDE	UG/L	38	0	0.05	U	-	0.5	U	-	0.05
METHOXYCHLOR	UG/L	38	0	0.5	U	-	0.5	U	-	0.5
PCB-1016	UG/L	38	0	1	U	-	1	U	-	1
PCB-1221	UG/L	38	0	2	U	-	2	U	-	2
PCB-1232	UG/L	38	0	1	U	-	1	U	-	1
PCB-1242	UG/L	38	0	1	U	-	1	U	-	1
PCB-1248	UG/L	38	0	1	U	-	1	U	-	1
PCB-1254	UG/L	38	0	1	U	-	1	U	-	1
PCB-1260	UG/L	38	0	1	U	-	1	U	-	1
TOXAPHENE	UG/L	38	0	5	U	-	5	U	-	5
HERBICIDES										
2,4 DICHLOROPHENOXY ACETIC ACID	UG/L	13	0	0.5	U	-	1	U	-	0.5
2,4,5-T	UG/L	13	0	0.25	U	-	0.5	U	-	0.2

Table C - 18a

Site 18: Summary of Analytes and Minimum / Maximum Concentrations Surface Water and Sediments

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4,5-TP (SILVEX)	UG/L	13	0	0.25	U	-	0.5	U	-	0.2
2,4-DB	UG/L	13	0	0.5	U	-	1	U	-	0.5
DALAPON	UG/L	13	0	0.5	U	-	1	U	-	0.5
DICAMBA	UG/L	13	0	0.5	U	-	1	U	-	0.5
DICHLOROPROP	UG/L	13	0	0.5	U	-	1	U	-	0.5
DINOSEB	UG/L	13	0	0.25	U	-	0.5	U	-	0.2
MCPA	UG/L	13	0	250	U	-	500	U	-	250
MCPP	UG/L	13	0	250	U	-	500	U	-	250
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	UG/L	13	2	250	U	-	457		18_AC1	250
TFH GASOLINE	UG/L	13	0	50	U	-	50	U	-	50
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/L	13	0	0.44	U	-	0.44	U	-	0.44

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 0b

Summary of Analytes and Minimum / Maximum Concentrations
Background Surface/Near-Surface Soil Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	24	24	2640		00_BGN212	15300		00_BGN1910	6.5
ANTIMONY	MG/KG	24	1	2.5	U	-	4.5	b	00_BGN1910	2.5
ARSENIC	MG/KG	24	21	0.14	U	-	8.5		00_BGN1910	0.7
BARIUM	MG/KG	24	24	22.8	b	00_BGN2910	172		00_BGN1910	0.02
BERYLLIUM	MG/KG	24	19	0.11	U	-	0.79	b	00_BGN1910	0.37
CADMIUM	MG/KG	24	17	0.25	U	-	11.4		00_BGN1910	0.25
CALCIUM	MG/KG	24	24	1500		00_BGN234	67600		00_BGN1910	21.5
CHROMIUM	MG/KG	24	17	2.1	b	00_BGN212	55		00_BGN1910	0.77
COBALT	MG/KG	24	17	1.2	U	-	9.7	b	00_BGN134	1.2
COPPER	MG/KG	24	24	0.36	J	00_BGN2910	37.9		00_BGN1910	0.19
IRON	MG/KG	24	24	1880		00_BGN212	18500		00_BGN1910	0.48
LEAD	MG/KG	24	24	0.67		00_BGN2910	22.4		00_BGN156	0.6
MAGNESIUM	MG/KG	24	24	944	b	00_BGN2910	13600		00_BGN1910	3
MANGANESE	MG/KG	24	24	13.9		00_BGN212	574		00_BGN134	0.17
MERCURY	MG/KG	24	10	0.03	U	-	0.41		00_BGN112	0.05
NICKEL	MG/KG	24	21	1.6	U	-	71.1		00_BGN1910	1.6
POTASSIUM	MG/KG	24	24	276	b	00_BGN111	6230		00_BGN1910	40
SELENIUM	MG/KG	24	6	0.1	U	-	0.37	b	00_BGN1910	0.5
SILVER	MG/KG	24	2	0.43	U	-	0.65	b	00_BGN1910	0.44
SODIUM	MG/KG	24	24	108	b	00_BGN256	506	b	00_BGN112	2.6
THALLIUM	MG/KG	24	8	0.15	U	-	0.53	b	00_BGN1910	0.7
VANADIUM	MG/KG	24	24	5.1	b	00_BGN212	134		00_BGN1910	0.4
ZINC	MG/KG	24	24	6.2		00_BGN212	99.5		00_BGN1910	0.46
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	47	8	1.5		00_BGA212	58.6		00_BGA312	3.7
4,4'-DDE	UG/KG	47	9	3.58	U	-	233		00_BGA212	3.7
4,4'-DDT	UG/KG	47	9	3.58	U	-	272		00_BGA212	3.7
ALDRIN	UG/KG	47	0	1.84	U	-	2.36	U	-	1.9
ALPHA-CHLORDANE	UG/KG	47	2	1.84	U	-	17.7		00_BGR356	1.9
BHC-ALPHA	UG/KG	47	0	1.84	U	-	2.36	U	-	1.9
BHC-BETA	UG/KG	47	0	1.84	U	-	2.36	U	-	1.9
BHC-DELTA	UG/KG	47	0	1.84	U	-	2.36	U	-	1.9
BHC-GAMMA(LINDANE)	UG/KG	47	0	1.84	U	-	2.36	U	-	1.9
DIELDRIN	UG/KG	47	4	3.58	U	-	118		00_BGA212	3.7
ENDOSULFAN I	UG/KG	47	2	0.14		00_BGA312	0.18		00_BGA312	1.9
ENDOSULFAN II	UG/KG	47	1	3.58	U	-	10.6		00_BGA212	3.7

Table C - 0b

Summary of Analytes and Minimum / Maximum Concentrations
Background Surface/Near-Surface Soil Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
ENDOSULFAN SULFATE	UG/KG	47	2	3.44		00_BGA312	4.21		00_BGA312	3.7
ENDRIN	UG/KG	47	2	1.01		00_BGA212	19.9		00_BGA212	3.7
ENDRIN ALDEHYDE	UG/KG	47	1	3.58	U	-	41.7		00_BGA212	3.7
ENDRIN KETONE	UG/KG	47	0	3.58	U	-	4.58	U	-	3.7
GAMMA-CHLORDANE	UG/KG	47	4	1.46		00_BGA212	18	J	00_BGR356	1.9
HEPTACHLOR	UG/KG	47	0	1.84	U	-	2.36	U	-	1.9
HEPTACHLOR EPOXIDE	UG/KG	47	0	1.84	U	-	2.36	U	-	1.9
METHOXYCHLOR	UG/KG	47	2	17.5		00_BGC312	29.4		00_BGR312	18.9
PCB-1016	UG/KG	47	0	35.8	U	-	45.8	U	-	36.7
PCB-1221	UG/KG	47	0	72.6	U	-	93	U	-	74.5
PCB-1232	UG/KG	47	0	35.8	U	-	45.8	U	-	36.7
PCB-1242	UG/KG	47	0	35.8	U	-	45.8	U	-	36.7
PCB-1248	UG/KG	47	0	35.8	U	-	45.8	U	-	36.7
PCB-1254	UG/KG	47	0	35.8	U	-	45.8	U	-	36.7
PCB-1260	UG/KG	47	0	35.8	U	-	45.8	U	-	36.7
TOXAPHENE	UG/KG	47	0	184	U	-	236	U	-	189
HERBICIDES										
2,4 DICHLOROPHENOXY ACETIC ACID	UG/KG	47	0	108	U	-	138	U	-	111
2,4,5-T	UG/KG	47	0	26.9	U	-	34.4	U	-	27.7
2,4,5-TP (SILVEX)	UG/KG	47	0	26.9	U	-	34.4	U	-	27.7
2,4-DB	UG/KG	47	0	53.8	U	-	115	U	-	55.4
DALAPON	UG/KG	47	0	53.8	U	-	68.8	U	-	55.4
DICAMBA	UG/KG	47	0	53.8	U	-	68.8	U	-	55.4
DICHLOROPROP	UG/KG	47	1	108	U	-	141		00_BGR378	111
DINOSEB	UG/KG	47	0	26.9	U	-	34.4	U	-	27.7
MCPA	UG/KG	47	1	16800	U	-	127000		00_BGA234	27700
MCPP	UG/KG	47	0	26900	U	-	34400	U	-	27700

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 1b

Site 1: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
AMMONIA-N	MG/KG	3	3	5.94	J	01_GN2	9.75	J	01_GN3	1.6
MOISTURE	MG/KG	1	1	3.5		01_GN3	3.5		01_GN3	0
NITRATE AS N	MG/KG	3	3	0.65		01_GN2	1.53		01_GN1	0.04
TOTAL KJELDAHL NITROGEN (TKN)	MG/KG	3	3	359		01_GN2	874		01_GN1	50
METALS										
ALUMINUM	MG/KG	4	4	3370		01_GN2	7490		01_GN1	31
ANTIMONY	MG/KG	4	0	2.5	U	-	2.5	U	-	12.1
ARSENIC	MG/KG	4	0	0.14	U	-	0.35	U	-	0.35
BARIUM	MG/KG	4	4	27.7	b	01_UGS	41.4	b	01_GN3	0.1
BERYLLIUM	MG/KG	4	0	0.25	U	-	0.6	U	-	0.6
CADMIUM	MG/KG	4	0	0.25	U	-	0.4	U	-	1.2
CALCIUM	MG/KG	4	4	2330		01_GN2	7290		01_UGS	103
CHROMIUM	MG/KG	4	4	2.2		01_GN2	4		01_GN3	3.7
COBALT	MG/KG	4	3	1.2	U	-	3.1	b	01_GN3	5.8
COPPER	MG/KG	4	4	2.3	b	01_UGS	4.3	b	01_GN2	0.9
IRON	MG/KG	4	4	2230		01_GN2	4230		01_GN1	2.3
LEAD	MG/KG	4	4	2		01_UGS	7		01_GN2	0.6
MAGNESIUM	MG/KG	4	4	787	b	01_GN2	1790		01_GN3	14.3
MANGANESE	MG/KG	4	4	48.5		01_UGS	85		01_GN1	0.8
MERCURY	MG/KG	4	1	0.03	U	-	0.05	b	01_GN2	0.1
NICKEL	MG/KG	4	0	1.6	U	-	1.6	U	-	7.7
POTASSIUM	MG/KG	4	4	506	b	01_GN2	882	b	01_GN3	191
SELENIUM	MG/KG	4	2	0.1	U	-	0.83	b	01_UGS	0.5
SILVER	MG/KG	4	0	0.43	U	-	0.44	U	-	2.1
SODIUM	MG/KG	4	4	111	b	01_GN2	198	b	01_GN1	12.4
THALLIUM	MG/KG	4	0	0.14	U	-	0.21	U	-	0.17
VANADIUM	MG/KG	4	4	4.6	b	01_GN2	9.8	b	01_GN3	1.9
ZINC	MG/KG	4	4	11.1		01_UGS	17.2		01_GN1	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	3	0	10	U	-	10	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	3	0	10	U	-	10	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	3	0	10	U	-	10	U	-	10

Table C - 1b

Site 1: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,1-DICHLOROETHANE	UG/KG	3	0	10	U	-	10	U	-	10
1,1-DICHLOROETHENE	UG/KG	3	0	10	U	-	10	U	-	10
1,2-DICHLOROETHANE	UG/KG	3	0	10	U	-	10	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	3	0	10	U	-	10	U	-	10
1,2-DICHLOROPROPANE	UG/KG	3	0	10	U	-	10	U	-	10
2-BUTANONE	UG/KG	3	0	10	U	-	10	U	-	10
2-HEXANONE	UG/KG	3	0	10	U	-	10	U	-	10
4-METHYL-2-PENTANONE	UG/KG	3	0	10	U	-	10	U	-	10
ACETONE	UG/KG	3	0	22	U	-	30	U	-	10
BENZENE	UG/KG	3	0	10	U	-	10	U	-	10
BROMODICHLOROMETHANE	UG/KG	3	0	10	U	-	10	U	-	10
BROMOFORM	UG/KG	3	0	10	U	-	10	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	3	0	10	U	-	10	U	-	10
CARBON DISULFIDE	UG/KG	3	0	10	U	-	10	U	-	10
CARBON TETRACHLORIDE	UG/KG	3	1	2	J	01_GN1	2	J	01_GN1	10
CHLOROBENZENE	UG/KG	3	0	10	U	-	10	U	-	10
CHLORODIBROMOMETHANE	UG/KG	3	0	10	U	-	10	U	-	10
CHLOROETHANE	UG/KG	3	0	10	U	-	10	U	-	10
CHLOROFORM	UG/KG	3	0	10	U	-	10	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	3	0	10	U	-	10	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	3	0	10	U	-	10	U	-	10
ETHYLBENZENE	UG/KG	3	0	10	U	-	10	U	-	10
METHYLENE CHLORIDE	UG/KG	3	0	10	U	-	19	U	-	10
STYRENE	UG/KG	3	0	10	U	-	10	U	-	10
TETRACHLOROETHENE	UG/KG	3	0	10	U	-	10	U	-	10
TOLUENE	UG/KG	3	2	6	J	01_GN3	6	J	01_GN3	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	3	0	10	U	-	10	U	-	10
TRICHLOROETHYLENE	UG/KG	3	0	10	U	-	10	U	-	10
VINYL CHLORIDE	UG/KG	3	0	10	U	-	10	U	-	10
XYLENE (TOTAL)	UG/KG	3	0	10	U	-	10	U	-	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	3	0	660	U	-	680	U	-	680
1,2-DICHLOROBENZENE	UG/KG	3	0	660	U	-	680	U	-	680

Table C - 1b

Site 1: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,3-DICHLOROBENZENE	UG/KG	3	0	660	U	-	680	U	-	680
1,4-DICHLOROBENZENE	UG/KG	3	0	660	U	-	680	U	-	680
2,4,5-TRICHLOROPHENOL	UG/KG	3	0	1600	U	-	1600	U	-	1600
2,4,6-TRICHLOROPHENOL	UG/KG	3	0	660	U	-	680	U	-	680
2,4-DICHLOROPHENOL	UG/KG	3	0	660	U	-	680	U	-	680
2,4-DIMETHYLPHENOL	UG/KG	3	0	660	U	-	680	U	-	680
2,4-DINITROPHENOL	UG/KG	3	0	1600	U	-	1600	U	-	1600
2,4-DINITROTOLUENE	UG/KG	3	0	660	U	-	680	U	-	680
2,6-DINITROTOLUENE	UG/KG	3	0	660	U	-	680	U	-	680
2-CHLORONAPHTHALENE	UG/KG	3	0	660	U	-	680	U	-	680
2-CHLOROPHENOL	UG/KG	3	0	660	U	-	680	U	-	680
2-METHYLNAPHTHALENE	UG/KG	3	0	660	U	-	680	U	-	680
2-METHYLPHENOL	UG/KG	3	0	660	U	-	680	U	-	680
2-NITROANILINE	UG/KG	3	0	1600	U	-	1600	U	-	1600
2-NITROPHENOL	UG/KG	3	0	660	U	-	680	U	-	680
3,3'-DICHLOROBENZIDINE	UG/KG	3	0	660	U	-	680	U	-	680
3-NITROANILINE	UG/KG	3	0	1600	U	-	1600	U	-	1600
4,6-DINITRO-2-METHYLPHENOL	UG/KG	3	0	1600	U	-	1600	U	-	1600
4-BROMOPHENYL PHENYL ETHER	UG/KG	3	0	660	U	-	680	U	-	680
4-CHLORO-3-METHYLPHENOL	UG/KG	3	0	660	U	-	680	U	-	680
4-CHLOROANILINE	UG/KG	3	0	660	U	-	680	U	-	680
4-CHLOROPHENYL PHENYL ETHER	UG/KG	3	0	660	U	-	680	U	-	680
4-METHYLPHENOL	UG/KG	3	0	660	U	-	680	U	-	680
4-NITROANILINE	UG/KG	3	0	1600	U	-	1600	U	-	1600
4-NITROPHENOL	UG/KG	3	0	1600	U	-	1600	U	-	1600
ACENAPHTHENE	UG/KG	3	0	660	U	-	680	U	-	680
ACENAPHTHYLENE	UG/KG	3	0	660	U	-	680	U	-	680
ANTHRACENE	UG/KG	3	0	660	U	-	680	U	-	680
BENZO(A)ANTHRACENE	UG/KG	3	0	660	U	-	680	U	-	680
BENZO(A)PYRENE	UG/KG	3	0	660	U	-	680	U	-	680
BENZO(B)FLUORANTHENE	UG/KG	3	0	660	U	-	680	U	-	680
BENZO(GHI)PERYLENE	UG/KG	3	0	660	U	-	680	U	-	680
BENZO(K)FLUORANTHENE	UG/KG	3	0	660	U	-	680	U	-	680

Table C - 1b

Site 1: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BENZYL BUTYL PHTHALATE	UG/KG	3	0	660	U	-	680	U	-	680
BIS(2-CHLOROETHOXY) METHANE	UG/KG	3	0	660	U	-	680	U	-	680
BIS(2-CHLOROETHYL)ETHER	UG/KG	3	0	660	U	-	680	U	-	680
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	3	0	660	U	-	680	U	-	680
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	3	0	660	U	-	680	U	-	680
CARBAZOLE	UG/KG	3	0	660	U	-	680	U	-	680
CHRYSENE	UG/KG	3	0	660	U	-	680	U	-	680
DI-N-BUTYL PHTHALATE	UG/KG	3	0	660	U	-	680	U	-	680
DI-N-OCTYL PHTHALATE	UG/KG	3	0	660	U	-	680	U	-	680
DIBENZO(A,H)ANTHRACENE	UG/KG	3	0	660	U	-	680	U	-	680
DIBENZOFURAN	UG/KG	3	0	660	U	-	680	U	-	680
DIETHYL PHTHALATE	UG/KG	3	0	660	U	-	680	U	-	680
DIMETHYL PHTHALATE	UG/KG	3	0	660	U	-	680	U	-	680
FLUORANTHENE	UG/KG	3	0	660	U	-	680	U	-	680
FLUORENE	UG/KG	3	0	660	U	-	680	U	-	680
HEXACHLOROBENZENE	UG/KG	3	0	660	U	-	680	U	-	680
HEXACHLOROBUTADIENE	UG/KG	3	0	660	U	-	680	U	-	680
HEXACHLOROCYCLOPENTADIENE	UG/KG	3	0	660	U	-	680	U	-	680
HEXACHLOROETHANE	UG/KG	3	0	660	U	-	680	U	-	680
INDENO(1,2,3-CD)PYRENE	UG/KG	3	0	660	U	-	680	U	-	680
ISOPHORONE	UG/KG	3	0	660	U	-	680	U	-	680
N-NITROSODIPHENYLAMINE	UG/KG	3	0	660	U	-	680	U	-	680
N-NITROSODIPROPYLAMINE	UG/KG	3	0	660	U	-	680	U	-	680
NAPHTHALENE	UG/KG	3	0	660	U	-	680	U	-	680
NITROBENZENE	UG/KG	3	0	660	U	-	680	U	-	680
PENTACHLOROPHENOL	UG/KG	3	0	1600	U	-	1600	U	-	1600
PHENANTHRENE	UG/KG	3	0	660	U	-	680	U	-	680
PHENOL	UG/KG	3	0	660	U	-	680	U	-	680
PYRENE	UG/KG	3	0	660	U	-	680	U	-	680
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	3	0	3.33	U	-	3.41	U	-	3.4
4,4'-DDE	UG/KG	3	0	3.33	U	-	3.41	U	-	3.4
4,4'-DDT	UG/KG	3	0	3.33	U	-	3.41	U	-	3.4

Table C - 1b

Site 1: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
ALDRIN	UG/KG	3	0	1.71	U	-	1.76	U	-	1.8
ALPHA-CHLORDANE	UG/KG	3	0	1.71	U	-	1.76	U	-	1.8
BHC-ALPHA	UG/KG	3	0	1.71	U	-	1.76	U	-	1.8
BHC-BETA	UG/KG	3	0	1.71	U	-	1.76	U	-	1.8
BHC-DELTA	UG/KG	3	0	1.71	U	-	1.76	U	-	1.8
BHC-GAMMA(LINDANE)	UG/KG	3	0	1.71	U	-	1.76	U	-	1.8
DIELDRIN	UG/KG	3	0	3.33	U	-	3.41	U	-	3.4
ENDOSULFAN I	UG/KG	3	0	1.71	U	-	1.76	U	-	1.8
ENDOSULFAN II	UG/KG	3	0	3.33	U	-	3.41	U	-	3.4
ENDOSULFAN SULFATE	UG/KG	3	0	3.33	U	-	3.41	U	-	3.4
ENDRIN	UG/KG	3	0	3.33	U	-	3.41	U	-	3.4
ENDRIN ALDEHYDE	UG/KG	3	0	3.33	U	-	3.41	U	-	3.4
ENDRIN KETONE	UG/KG	3	0	3.33	U	-	3.41	U	-	3.4
GAMMA-CHLORDANE	UG/KG	3	0	1.71	U	-	1.76	U	-	1.8
HEPTACHLOR	UG/KG	3	0	1.71	U	-	1.76	U	-	1.8
HEPTACHLOR EPOXIDE	UG/KG	3	0	1.71	U	-	1.76	U	-	1.8
METHOXYCHLOR	UG/KG	3	0	17.1	U	-	17.6	U	-	17.6
PCB-1016	UG/KG	3	0	33.3	U	-	34.1	U	-	34.1
PCB-1221	UG/KG	3	0	67.6	U	-	69.2	U	-	69.2
PCB-1232	UG/KG	3	0	33.3	U	-	34.1	U	-	34.1
PCB-1242	UG/KG	3	0	33.3	U	-	34.1	U	-	34.1
PCB-1248	UG/KG	3	0	33.3	U	-	34.1	U	-	34.1
PCB-1254	UG/KG	3	0	33.3	U	-	34.1	U	-	34.1
PCB-1260	UG/KG	3	0	33.3	U	-	34.1	U	-	34.1
TOXAPHENE	UG/KG	3	0	171	U	-	176	U	-	176
DIOXINS AND FURANS										
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-D	NG/G	3	0	0.05	U	-	0.06	U	-	0.05
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURA	NG/G	3	0	0.02	U	-	0.03	U	-	0.02
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURA	NG/G	3	0	0.03	U	-	0.04	U	-	0.04
1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOX	NG/G	3	0	0.03	U	-	0.03	U	-	0.03
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	NG/G	3	0	0.02	U	-	0.04	U	-	0.02
1,2,3,6,7,8-HEXACHLORODIBENZO	NG/G	3	0	0.04	U	-	0.04	U	-	0.04
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	NG/G	3	0	0.02	U	-	0.03	U	-	0.02

Table C - 1b

Site 1: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2,3,7,8,9-HEXACHLORODIBENZO-p-DIOX	NG/G	3	0	0.03	U	-	0.03	U	-	0.03
1,2,3,7,8,9-HEXACHLORODIBENZOFURANS	NG/G	3	0	0.02	U	-	0.04	U	-	0.02
1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXI	NG/G	3	0	0.01	U	-	0.01	U	-	0.01
1,2,3,7,8-PENTACHLORODIBENZOFURAN	NG/G	3	0	0.01	U	-	0.01	U	-	0.01
2,3,4,7,8-PENTACHLORODIBENZOFURAN	NG/G	3	0	0.01	U	-	0.02	U	-	0.01
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	NG/G	3	0	0.02	U	-	0.02	U	-	0.02
2,3,7,8-TETRACHLORODIBENZOFURAN	NG/G	3	0	0.01	U	-	0.01	U	-	0.01
HEPTACHLORODIBENZO-P-DIOXINS	NG/G	3	0	0.05	U	-	0.06	U	-	0.05
HEPTACHLORODIBENZOFURANS	NG/G	3	0	0.03	U	-	0.04	U	-	0.04
HEXACHLORODIBENZOFURANS	NG/G	3	0	0.02	U	-	0.04	U	-	0.02
HEXACHLORODIBENZOFURNS	NG/G	3	0	0.02	U	-	0.03	U	-	0.02
HEXACHLORODIBENZPO-P-DIOXINS	NG/G	3	0	0.04	U	-	0.04	U	-	0.04
OCTACHLORODIBENZO-P-DIOXINS	NG/G	3	0	0.1	U	-	0.18	U	-	0.18
OCTACHLORODIBENZOFURAN	NG/G	3	0	0.06	U	-	0.13	U	-	0.13
PENTACHLORODIBENZO-P-DIOXINS	NG/G	3	0	0.01	U	-	0.01	U	-	0.01
PENTACHLORODIBENZOFURANS	NG/G	3	0	0.01	U	-	0.02	U	-	0.01
TETRACHLORODIBENZO-P-DIOXINS	NG/G	3	0	0.02	U	-	0.02	U	-	0.02
TETRACHLORODIBENZOFURANS	NG/G	3	0	0.01	U	-	0.01	U	-	0.01
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	4	4	19.4		01_GN3	61.6		01_UGS	12.7
TFH GASOLINE	MG/KG	4	3	0.05	U	-	0.22		01_UGS	0.051
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	4	3	20	U	-	147		01_GN3	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 2b

Site 2: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	30	30	638		02_WF1	15400		02_MM1	31
ANTIMONY	MG/KG	30	1	2.4	U	-	3.9	b	02_WF2	12.1
ARSENIC	MG/KG	30	30	0.41	b	02_EF2	5.1		02_SA1	0.6
BARIUM	MG/KG	30	30	9	b	02_EF2	176		02_MM1	0.1
BERYLLIUM	MG/KG	30	8	0.1	U	-	0.76	b	02_MM1	0.5
CADMIUM	MG/KG	30	18	0.24	U	-	2		02_SA2	1.2
CALCIUM	MG/KG	30	30	880	b	02_EF2	19500		02_MM1	103
CHROMIUM	MG/KG	30	30	0.84	b	02_EF2	15.7		02_SA1	3.7
COBALT	MG/KG	30	19	1.2	U	-	7	b	02_MM1	5.8
COPPER	MG/KG	30	27	0.18	U	-	15.8		02_LF3	0.9
IRON	MG/KG	30	30	1230		02_WF1	18600		02_MM1	2.3
LEAD	MG/KG	30	30	0.62		02_EF2	28.3		02_LF3	0.6
MAGNESIUM	MG/KG	30	30	308	b	02_WF1	10800		02_MM1	14.3
MANGANESE	MG/KG	30	30	30.6		02_EF1	364		02_SA1	0.8
MERCURY	MG/KG	30	1	0.01	U	-	0.57		02_LF1	0.06
NICKEL	MG/KG	30	28	1.5	U	-	11.4		02_SA1	7.7
POTASSIUM	MG/KG	30	23	286	U	-	4940		02_MM1	191
SELENIUM	MG/KG	30	1	0.1	U	-	0.25	b	02_WF1	0.5
SILVER	MG/KG	30	4	0.3	U	-	0.76	b	02_LF3	2.1
SODIUM	MG/KG	30	17	101	b	02_EF2	617	b	02_SA1	12.4
THALLIUM	MG/KG	30	1	0.14	U	-	0.25	b	02_MM1	0.7
VANADIUM	MG/KG	30	30	3.4	b	02_EF2	44.9		02_MM1	1.9
ZINC	MG/KG	30	30	6		02_WF1	60.7		02_MM1	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	28	0	10	U	-	12	U	-	11
1,1,2,2-TETRACHLOROETHANE	UG/KG	28	0	10	U	-	12	U	-	11
1,1,2-TRICHLOROETHANE	UG/KG	28	0	10	U	-	12	U	-	11
1,1-DICHLOROETHANE	UG/KG	28	0	10	U	-	12	U	-	11
1,1-DICHLOROETHENE	UG/KG	28	0	10	U	-	12	U	-	11
1,2-DICHLOROETHANE	UG/KG	28	0	10	U	-	12	U	-	11
1,2-DICHLOROETHENE (TOTAL)	UG/KG	28	0	10	U	-	12	U	-	11
1,2-DICHLOROPROPANE	UG/KG	28	0	10	U	-	12	U	-	11

Table C - 2b

Site 2: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	28	3	3	J	02_SA1	4	J	02_SA1	11
2-HEXANONE	UG/KG	28	1	10	U	-	17		02_LF3	11
4-METHYL-2-PENTANONE	UG/KG	28	1	5	J	02_LF2	5	J	02_LF2	11
ACETONE	UG/KG	28	5	4	J	02_EF1	32		02_SA3	11
BENZENE	UG/KG	28	1	4	J	02_WF2	4	J	02_WF2	11
BROMODICHLOROMETHANE	UG/KG	28	0	10	U	-	12	U	-	11
BROMOFORM	UG/KG	28	0	10	U	-	12	U	-	11
BROMOMETHANE (METHYL BROMIDE)	UG/KG	28	0	10	U	-	12	U	-	11
CARBON DISULFIDE	UG/KG	28	0	10	U	-	12	U	-	11
CARBON TETRACHLORIDE	UG/KG	28	2	10	U	-	11		02_MM2	11
CHLOROBENZENE	UG/KG	28	0	10	U	-	12	U	-	11
CHLORODIBROMOMETHANE	UG/KG	28	0	10	U	-	12	U	-	11
CHLOROETHANE	UG/KG	28	0	10	U	-	12	U	-	11
CHLOROFORM	UG/KG	28	0	10	U	-	12	U	-	11
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	28	0	10	U	-	12	U	-	11
CIS-1,3-DICHLOROPROPENE	UG/KG	28	0	10	U	-	12	U	-	11
ETHYLBENZENE	UG/KG	28	1	6	J	02_LF3	6	J	02_LF3	11
METHYLENE CHLORIDE	UG/KG	28	2	10	U	-	92	B	02_MM2	12
STYRENE	UG/KG	28	0	10	U	-	12	U	-	11
TETRACHLOROETHENE	UG/KG	28	0	10	U	-	12	U	-	11
TOLUENE	UG/KG	28	11	3	J	02_MM2	15		02_S&DB200	11
TRANS-1,3-DICHLOROPROPENE	UG/KG	28	0	10	U	-	12	U	-	11
TRICHLOROETHYLENE	UG/KG	28	1	3	J	02_WF2	3	J	02_WF2	11
VINYL CHLORIDE	UG/KG	28	0	10	U	-	12	U	-	11
XYLENE (TOTAL)	UG/KG	28	1	6	J	02_LF3	6	J	02_LF3	11
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	28	0	660	U	-	790	U	-	720
1,2-DICHLOROBENZENE	UG/KG	28	0	660	U	-	790	U	-	720
1,3-DICHLOROBENZENE	UG/KG	28	0	660	U	-	790	U	-	720
1,4-DICHLOROBENZENE	UG/KG	28	0	660	U	-	790	U	-	720
2,4,5-TRICHLOROPHENOL	UG/KG	28	0	1600	U	-	1900	U	-	1700
2,4,6-TRICHLOROPHENOL	UG/KG	28	0	660	U	-	790	U	-	720
2,4-DICHLOROPHENOL	UG/KG	28	0	660	U	-	790	U	-	720

Table C - 2b

Site 2: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DIMETHYLPHENOL	UG/KG	28	0	660	U	-	790	U	-	720
2,4-DINITROPHENOL	UG/KG	28	0	1600	U	-	1900	U	-	1700
2,4-DINITROTOLUENE	UG/KG	28	0	660	U	-	790	U	-	720
2,6-DINITROTOLUENE	UG/KG	28	0	660	U	-	790	U	-	720
2-CHLORONAPHTHALENE	UG/KG	28	0	660	U	-	790	U	-	720
2-CHLOROPHENOL	UG/KG	28	0	660	U	-	790	U	-	720
2-METHYLNAPHTHALENE	UG/KG	28	0	660	U	-	790	U	-	720
2-METHYLPHENOL	UG/KG	28	0	660	U	-	790	U	-	720
2-NITROANILINE	UG/KG	28	0	1600	U	-	1900	U	-	1700
2-NITROPHENOL	UG/KG	28	0	660	U	-	790	U	-	720
3,3'-DICHLOROBENZIDINE	UG/KG	28	0	660	U	-	790	U	-	720
3-NITROANILINE	UG/KG	28	0	1600	U	-	1900	U	-	1700
4,6-DINITRO-2-METHYLPHENOL	UG/KG	28	0	1600	U	-	1900	U	-	1700
4-BROMOPHENYL PHENYL ETHER	UG/KG	28	0	660	U	-	790	U	-	720
4-CHLORO-3-METHYLPHENOL	UG/KG	28	0	660	U	-	790	U	-	720
4-CHLOROANILINE	UG/KG	28	0	660	U	-	790	U	-	720
4-CHLOROPHENYL PHENYL ETHER	UG/KG	28	0	660	U	-	790	U	-	720
4-METHYLPHENOL	UG/KG	28	0	660	U	-	790	U	-	720
4-NITROANILINE	UG/KG	28	0	1600	U	-	1900	U	-	1700
4-NITROPHENOL	UG/KG	28	0	1600	U	-	1900	U	-	1700
ACENAPHTHENE	UG/KG	28	0	660	U	-	790	U	-	720
ACENAPHTHYLENE	UG/KG	28	0	660	U	-	790	U	-	720
ANTHRACENE	UG/KG	28	0	660	U	-	790	U	-	720
BENZO(A)ANTHRACENE	UG/KG	28	0	660	U	-	790	U	-	720
BENZO(A)PYRENE	UG/KG	28	0	660	U	-	790	U	-	720
BENZO(B)FLUORANTHENE	UG/KG	28	0	660	U	-	790	U	-	720
BENZO(GHI)PERYLENE	UG/KG	28	0	660	U	-	790	U	-	720
BENZO(K)FLUORANTHENE	UG/KG	28	0	660	U	-	790	U	-	720
BENZYL BUTYL PHTHALATE	UG/KG	28	2	150	J	02_SA2	1200		02_MM1	720
BIS(2-CHLOROETHOXY) METHANE	UG/KG	28	0	660	U	-	790	U	-	720
BIS(2-CHLOROETHYL)ETHER	UG/KG	28	0	660	U	-	790	U	-	720
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	28	0	660	U	-	790	U	-	720
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	28	4	200	J	02_MM2	4200		02_SA2	720

Table C - 2b

Site 2: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
CARBAZOLE	UG/KG	28	0	660	U	-	790	U	-	720
CHRYSENE	UG/KG	28	0	660	U	-	790	U	-	720
DI-N-BUTYL PHTHALATE	UG/KG	28	0	660	U	-	790	U	-	720
DI-N-OCTYL PHTHALATE	UG/KG	28	0	660	U	-	790	U	-	720
DIBENZO(A,H)ANTHRACENE	UG/KG	28	0	660	U	-	790	U	-	720
DIBENZOFURAN	UG/KG	28	0	660	U	-	790	U	-	720
DIETHYL PHTHALATE	UG/KG	28	0	660	U	-	790	U	-	720
DIMETHYL PHTHALATE	UG/KG	28	0	660	U	-	790	U	-	720
FLUORANTHENE	UG/KG	28	0	660	U	-	790	U	-	720
FLUORENE	UG/KG	28	0	660	U	-	790	U	-	720
HEXACHLOROBENZENE	UG/KG	28	0	660	U	-	790	U	-	720
HEXACHLOROBUTADIENE	UG/KG	28	0	660	U	-	790	U	-	720
HEXACHLOROCYCLOPENTADIENE	UG/KG	28	0	660	U	-	790	U	-	720
HEXACHLOROETHANE	UG/KG	28	0	660	U	-	790	U	-	720
INDENO(1,2,3-CD)PYRENE	UG/KG	28	0	660	U	-	790	U	-	720
ISOPHORONE	UG/KG	28	0	660	U	-	790	U	-	720
N-NITROSODIPHENYLAMINE	UG/KG	28	0	660	U	-	790	U	-	720
N-NITROSODIPROPYLAMINE	UG/KG	28	0	660	U	-	790	U	-	720
NAPHTHALENE	UG/KG	28	0	660	U	-	790	U	-	720
NITROBENZENE	UG/KG	28	0	660	U	-	790	U	-	720
PENTACHLOROPHENOL	UG/KG	28	0	1600	U	-	1900	U	-	1700
PHENANTHRENE	UG/KG	28	0	660	U	-	790	U	-	720
PHENOL	UG/KG	28	0	660	U	-	790	U	-	720
PYRENE	UG/KG	28	0	660	U	-	790	U	-	720
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	28	1	0.84	J	02_SA3	0.84	J	02_SA3	3.6
4,4'-DDE	UG/KG	28	4	1.15	J	02_SA3	4.45	J	02_SA3	3.6
4,4'-DDT	UG/KG	28	7	3.3	U	-	18.2	J	02_SA3	3.6
ALDRIN	UG/KG	28	2	1.7	U	-	3.01	J	02_SA3	1.9
ALPHA-CHLORDANE	UG/KG	28	3	1.7	U	-	3.37	J	02_EF2	1.9
BHC-ALPHA	UG/KG	28	0	1.7	U	-	2.04	U	-	1.9
BHC-BETA	UG/KG	28	0	1.7	U	-	2.04	U	-	1.9
BHC-DELTA	UG/KG	28	0	1.7	U	-	2.04	U	-	1.9

Table C - 2b

Site 2: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BHC-GAMMA(LINDANE)	UG/KG	28	0	1.7	U	-	2.04	U	-	1.9
DIELDRIN	UG/KG	28	0	3.3	U	-	3.96	U	-	3.6
ENDOSULFAN I	UG/KG	28	0	1.7	U	-	2.04	U	-	1.9
ENDOSULFAN II	UG/KG	28	0	3.3	U	-	3.96	U	-	3.6
ENDOSULFAN SULFATE	UG/KG	28	0	3.3	U	-	3.96	U	-	3.6
ENDRIN	UG/KG	28	0	3.3	U	-	3.96	U	-	3.6
ENDRIN ALDEHYDE	UG/KG	27	0	3.3	U	-	3.96	U	-	3.3
ENDRIN KETONE	UG/KG	28	0	3.3	U	-	3.96	U	-	3.6
GAMMA-CHLORDANE	UG/KG	28	5	1.61	J	02_EF2	3.86	J	02_EF2	1.9
HEPTACHLOR	UG/KG	28	0	1.7	U	-	2.04	U	-	1.9
HEPTACHLOR EPOXIDE	UG/KG	28	0	1.7	U	-	2.04	U	-	1.9
METHOXYCHLOR	UG/KG	28	0	17	U	-	125	U	-	18.8
PCB-1016	UG/KG	28	0	33	U	-	39.6	U	-	36.5
PCB-1221	UG/KG	28	0	67	U	-	80.5	U	-	74.1
PCB-1232	UG/KG	28	0	33	U	-	39.6	U	-	36.5
PCB-1242	UG/KG	28	0	33	U	-	39.6	U	-	36.5
PCB-1248	UG/KG	28	0	33	U	-	39.6	U	-	36.5
PCB-1254	UG/KG	28	0	33	U	-	39.6	U	-	36.5
PCB-1260	UG/KG	28	0	33	U	-	39.6	U	-	36.5
TOXAPHENE	UG/KG	28	0	170	U	-	204	U	-	188
DIOXINS AND FURANS										
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-D	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURA	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURA	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOX	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
1,2,3,6,7,8-HEXACHLORODIBENZO	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
1,2,3,7,8,9-HEXACHLORODIBENZO-p-DIOX	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
1,2,3,7,8,9-HEXACHLORODIBENZOFURANS	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXI	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
1,2,3,7,8-PENTACHLORODIBENZOFURAN	NG/G	1	0	0	U	-	0	U	-	0
2,3,4,7,8-PENTACHLORODIBENZOFURAN	NG/G	1	0	0	U	-	0	U	-	0

Table C - 2b

Site 2: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
2,3,7,8-TETRACHLORODIBENZOFURAN	NG/G	1	0	0	U	-	0	U	-	0.01
HEPTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
HEPTACHLORODIBENZOFURANS	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
HEXACHLORODIBENZOFURANS	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
HEXACHLORODIBENZOFURNS	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
HEXACHLORODIBENZPO-P-DIOXINS	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
OCTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.05	U	-	0.05	U	-	0.05
OCTACHLORODIBENZOFURAN	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
PENTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
PENTACHLORODIBENZOFURANS	NG/G	1	0	0	U	-	0	U	-	0
TETRACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
TETRACHLORODIBENZOFURANS	NG/G	1	0	0	U	-	0	U	-	0.01
HERBICIDES										
2,4 DICHLOROPHENOXY ACETIC ACID	UG/KG	23	0	97.6	U	-	119	U	-	108
2,4,5-T	UG/KG	23	0	24.4	U	-	29.7	U	-	27
2,4,5-TP (SILVEX)	UG/KG	23	0	24.4	U	-	29.7	U	-	27
2,4-DB	UG/KG	23	1	48.8	U	-	455		02_WF2	54.1
DALAPON	UG/KG	23	2	48.8	U	-	81.5		02_S&DB200	54.1
DICAMBA	UG/KG	23	0	48.8	U	-	59.3	U	-	54.1
DICHLOROPROP	UG/KG	23	1	97.6	U	-	507		02_SA2	108
DINOSEB	UG/KG	23	0	24.4	U	-	29.7	U	-	27
MCPA	UG/KG	23	0	24400	U	-	29700	U	-	27000
MCPP	UG/KG	23	2	24400	U	-	140000		02_WF2	27000
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	30	4	12.4	U	-	97.5		02_SA3	13.6
TFH GASOLINE	MG/KG	30	13	0.05	U	-	0.96		02_SA3	0.0545
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	29	2	20	U	-	4555		02_EF2	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 3b

Site 3: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	13	13	1700		03_AC2	13000		03_LF3	31
ANTIMONY	MG/KG	13	0	2.4	U	-	2.8	U	-	12.1
ARSENIC	MG/KG	13	13	0.51	b	03_AC3	4.2		03_DBS	0.7
BARIUM	MG/KG	13	13	29.4	b	03_AC3	196		03_AC1	0.1
BERYLLIUM	MG/KG	13	5	0.1	U	-	0.49	b	03_LF3	0.1
CADMIUM	MG/KG	13	11	0.24	U	-	3.2		03_LF1	0.24
CALCIUM	MG/KG	13	13	1130		03_AC2	5810		03_LF2	103
CHROMIUM	MG/KG	13	13	3		03_AC3	16.9		03_LF1	3.7
COBALT	MG/KG	13	11	1.2	U	-	6.6	b	03_DBS	5.8
COPPER	MG/KG	13	13	2	b	03_AC3	22.6		03_DBS	0.9
IRON	MG/KG	13	13	2840		03_AC2	19000		03_DBS	2.3
LEAD	MG/KG	13	13	1.7		03_AC1	76.9		03_LF1	0.6
MAGNESIUM	MG/KG	13	13	881	b	03_AC2	5770		03_LF3	14.3
MANGANESE	MG/KG	13	13	51		03_AC3	224		03_LF3	0.8
MERCURY	MG/KG	13	2	0.03	U	-	0.65		03_LF3	0.1
NICKEL	MG/KG	13	8	1.8	b	03_AC2	13.7		03_DBS	7.7
POTASSIUM	MG/KG	13	13	537	b	03_AC2	3960		03_LF3	191
SELENIUM	MG/KG	13	0	0.1	U	-	0.17	U	-	0.5
SILVER	MG/KG	13	2	0.42	U	-	0.69	b	03_DBS	0.42
SODIUM	MG/KG	13	13	109	b	03_AC3	325	b	03_LF1	12.4
THALLIUM	MG/KG	13	5	0.14	U	-	0.31	b	03_LF3	0.7
VANADIUM	MG/KG	13	13	7.5	b	03_AC3	37.1		03_AC1	1.9
ZINC	MG/KG	13	13	10.9		03_AC3	104		03_DBS	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	11	0	10	U	-	11	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	11	0	10	U	-	11	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	11	0	10	U	-	11	U	-	10
1,1-DICHLOROETHANE	UG/KG	11	0	10	U	-	11	U	-	10
1,1-DICHLOROETHENE	UG/KG	11	0	10	U	-	11	U	-	10
1,2-DICHLOROETHANE	UG/KG	11	0	10	U	-	11	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	11	0	10	U	-	11	U	-	10
1,2-DICHLOROPROPANE	UG/KG	11	0	10	U	-	11	U	-	10

Table C - 3b

Site 3: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	11	1	10	U	-	50	D	03_AC1	10
2-HEXANONE	UG/KG	11	1	6	J	03_AC1	6	J	03_AC1	10
4-METHYL-2-PENTANONE	UG/KG	11	0	10	U	-	11	U	-	10
ACETONE	UG/KG	11	2	3	J	03_DBS	210	B	03_AC1	10
BENZENE	UG/KG	11	0	10	U	-	11	U	-	10
BROMODICHLOROMETHANE	UG/KG	11	0	10	U	-	11	U	-	10
BROMOFORM	UG/KG	11	0	10	U	-	11	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	11	0	10	U	-	11	U	-	10
CARBON DISULFIDE	UG/KG	11	0	10	U	-	11	U	-	10
CARBON TETRACHLORIDE	UG/KG	11	0	10	U	-	11	U	-	10
CHLOROBENZENE	UG/KG	11	0	10	U	-	11	U	-	10
CHLORODIBROMOMETHANE	UG/KG	11	0	10	U	-	11	U	-	10
CHLOROETHANE	UG/KG	11	0	10	U	-	11	U	-	10
CHLOROFORM	UG/KG	11	0	10	U	-	11	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	11	0	10	U	-	11	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	11	0	10	U	-	11	U	-	10
ETHYLBENZENE	UG/KG	11	0	10	U	-	11	U	-	10
METHYLENE CHLORIDE	UG/KG	11	1	10	U	-	220	D	03_AC1	10
STYRENE	UG/KG	11	0	10	U	-	11	U	-	10
TETRACHLOROETHENE	UG/KG	11	0	10	U	-	11	U	-	10
TOLUENE	UG/KG	11	4	2	J	03_LF1	9	J	03_AC1	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	11	0	10	U	-	11	U	-	10
TRICHLOROETHYLENE	UG/KG	11	0	10	U	-	11	U	-	10
VINYL CHLORIDE	UG/KG	11	0	10	U	-	11	U	-	10
XYLENE (TOTAL)	UG/KG	11	0	10	U	-	11	U	-	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	11	0	660	U	-	760	U	-	670
1,2-DICHLOROBENZENE	UG/KG	11	0	660	U	-	760	U	-	670
1,3-DICHLOROBENZENE	UG/KG	11	0	660	U	-	760	U	-	670
1,4-DICHLOROBENZENE	UG/KG	11	0	660	U	-	760	U	-	670
2,4,5-TRICHLOROPHENOL	UG/KG	11	0	1600	U	-	1800	U	-	1600
2,4,6-TRICHLOROPHENOL	UG/KG	11	0	660	U	-	760	U	-	670
2,4-DICHLOROPHENOL	UG/KG	11	0	660	U	-	760	U	-	670

Table C - 3b

Site 3: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DIMETHYLPHENOL	UG/KG	11	0	660	U	-	760	U	-	670
2,4-DINITROPHENOL	UG/KG	11	0	1600	U	-	1800	U	-	1600
2,4-DINITROTOLUENE	UG/KG	11	0	660	U	-	760	U	-	670
2,6-DINITROTOLUENE	UG/KG	11	0	660	U	-	760	U	-	670
2-CHLORONAPHTHALENE	UG/KG	11	0	660	U	-	760	U	-	670
2-CHLOROPHENOL	UG/KG	11	0	660	U	-	760	U	-	670
2-METHYLNAPHTHALENE	UG/KG	11	0	660	U	-	760	U	-	670
2-METHYLPHENOL	UG/KG	11	0	660	U	-	760	U	-	670
2-NITROANILINE	UG/KG	11	0	1600	U	-	1800	U	-	1600
2-NITROPHENOL	UG/KG	11	0	660	U	-	760	U	-	670
3,3'-DICHLOROBENZIDINE	UG/KG	11	0	660	U	-	760	U	-	670
3-NITROANILINE	UG/KG	11	0	1600	U	-	1800	U	-	1600
4,6-DINITRO-2-METHYLPHENOL	UG/KG	11	0	1600	U	-	1800	U	-	1600
4-BROMOPHENYL PHENYL ETHER	UG/KG	11	0	660	U	-	760	U	-	670
4-CHLORO-3-METHYLPHENOL	UG/KG	11	0	660	U	-	760	U	-	670
4-CHLOROANILINE	UG/KG	11	0	660	U	-	760	U	-	670
4-CHLOROPHENYL PHENYL ETHER	UG/KG	11	0	660	U	-	760	U	-	670
4-METHYLPHENOL	UG/KG	11	0	660	U	-	760	U	-	670
4-NITROANILINE	UG/KG	11	0	1600	U	-	1800	U	-	1600
4-NITROPHENOL	UG/KG	11	0	1600	U	-	1800	U	-	1600
ACENAPHTHENE	UG/KG	11	0	660	U	-	760	U	-	670
ACENAPHTHYLENE	UG/KG	11	0	660	U	-	760	U	-	670
ANTHRACENE	UG/KG	11	0	660	U	-	760	U	-	670
BENZO(A)ANTHRACENE	UG/KG	11	0	660	U	-	760	U	-	670
BENZO(A)PYRENE	UG/KG	11	0	660	U	-	760	U	-	670
BENZO(B)FLUORANTHENE	UG/KG	11	0	660	U	-	760	U	-	670
BENZO(GHI)PERYLENE	UG/KG	11	0	660	U	-	760	U	-	670
BENZO(K)FLUORANTHENE	UG/KG	11	0	660	U	-	760	U	-	670
BENZYL BUTYL PHTHALATE	UG/KG	11	0	660	U	-	760	U	-	670
BIS(2-CHLOROETHOXY) METHANE	UG/KG	11	0	660	U	-	760	U	-	670
BIS(2-CHLOROETHYL)ETHER	UG/KG	11	0	660	U	-	760	U	-	670
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	11	0	660	U	-	760	U	-	670
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	11	2	490	J	03_AC2	1400	J	03_AC2	670

Table C - 3b

Site 3: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
CARBAZOLE	UG/KG	11	0	660	U	-	760	U	-	670
CHRYSENE	UG/KG	11	0	660	U	-	760	U	-	670
DI-N-BUTYL PHTHALATE	UG/KG	11	0	660	U	-	760	U	-	670
DI-N-OCTYL PHTHALATE	UG/KG	11	0	660	U	-	760	U	-	670
DIBENZO(A,H)ANTHRACENE	UG/KG	11	0	660	U	-	760	U	-	670
DIBENZOFURAN	UG/KG	11	0	660	U	-	760	U	-	670
DIETHYL PHTHALATE	UG/KG	11	0	660	U	-	760	U	-	670
DIMETHYL PHTHALATE	UG/KG	11	0	660	U	-	760	U	-	670
FLUORANTHENE	UG/KG	11	0	660	U	-	760	U	-	670
FLUORENE	UG/KG	11	0	660	U	-	760	U	-	670
HEXACHLOROBENZENE	UG/KG	11	0	660	U	-	760	U	-	670
HEXACHLOROBUTADIENE	UG/KG	11	0	660	U	-	760	U	-	670
HEXACHLOROCYCLOPENTADIENE	UG/KG	11	0	660	U	-	760	U	-	670
HEXACHLOROETHANE	UG/KG	11	0	660	U	-	760	U	-	670
INDENO(1,2,3-CD)PYRENE	UG/KG	11	0	660	U	-	760	U	-	670
ISOPHORONE	UG/KG	11	0	660	U	-	760	U	-	670
N-NITROSODIPHENYLAMINE	UG/KG	11	0	660	U	-	760	U	-	670
N-NITROSODIPROPYLAMINE	UG/KG	11	0	660	U	-	760	U	-	670
NAPHTHALENE	UG/KG	11	0	660	U	-	760	U	-	670
NITROBENZENE	UG/KG	11	0	660	U	-	760	U	-	670
PENTACHLOROPHENOL	UG/KG	11	0	1600	U	-	1800	U	-	1600
PHENANTHRENE	UG/KG	11	0	660	U	-	760	U	-	670
PHENOL	UG/KG	11	0	660	U	-	760	U	-	670
PYRENE	UG/KG	11	0	660	U	-	760	U	-	670
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	11	2	3.31	U	-	293	C	03_DBS	3.31
4,4'-DDE	UG/KG	11	4	3.33	U	-	47.7	J	03_DBS	3.31
4,4'-DDT	UG/KG	11	5	3.33	U	-	209	P	03_DBS	3.31
ALDRIN	UG/KG	11	0	1.71	U	-	8.63	U	-	1.71
ALPHA-CHLORDANE	UG/KG	11	0	1.71	U	-	8.63	U	-	1.71
BHC-ALPHA	UG/KG	11	0	1.71	U	-	8.63	U	-	1.71
BHC-BETA	UG/KG	11	0	1.71	U	-	8.63	U	-	1.71
BHC-DELTA	UG/KG	11	0	1.71	U	-	8.63	U	-	1.71

Table C - 3b

Site 3: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BHC-GAMMA(LINDANE)	UG/KG	11	0	1.71	U	-	8.63	U	-	1.71
DIELDRIN	UG/KG	11	0	3.31	U	-	16.8	U	-	3.31
ENDOSULFAN I	UG/KG	11	0	1.71	U	-	8.63	U	-	1.71
ENDOSULFAN II	UG/KG	11	0	3.31	U	-	16.8	U	-	3.31
ENDOSULFAN SULFATE	UG/KG	11	0	3.31	U	-	16.8	U	-	3.31
ENDRIN	UG/KG	11	0	3.31	U	-	16.8	U	-	3.31
ENDRIN ALDEHYDE	UG/KG	5	0	3.38	U	-	16.8	U	-	16.7
ENDRIN KETONE	UG/KG	11	0	3.31	U	-	16.8	U	-	3.31
GAMMA-CHLORDANE	UG/KG	11	0	1.71	U	-	8.63	U	-	1.71
HEPTACHLOR	UG/KG	11	0	1.71	U	-	8.63	U	-	1.71
HEPTACHLOR EPOXIDE	UG/KG	11	0	1.71	U	-	8.63	U	-	1.71
METHOXYCHLOR	UG/KG	11	0	17.1	U	-	86.3	U	-	17.1
PCB-1016	UG/KG	11	0	33.1	U	-	168	U	-	33.1
PCB-1221	UG/KG	11	0	67.2	U	-	340	U	-	67.2
PCB-1232	UG/KG	11	0	33.1	U	-	168	U	-	33.1
PCB-1242	UG/KG	11	0	33.1	U	-	168	U	-	33.1
PCB-1248	UG/KG	11	0	33.1	U	-	168	U	-	33.1
PCB-1254	UG/KG	11	0	33.1	U	-	168	U	-	33.1
PCB-1260	UG/KG	11	0	33.1	U	-	168	U	-	33.1
TOXAPHENE	UG/KG	11	0	171	U	-	863	U	-	171
DIOXINS AND FURANS										
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-D	NG/G	1	0	0.12	U	-	0.12	U	-	0.12
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURA	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURA	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOX	NG/G	1	0	0.09	U	-	0.09	U	-	0.09
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	NG/G	1	0	0.05	U	-	0.05	U	-	0.05
1,2,3,6,7,8-HEXACHLORODIBENZO	NG/G	1	0	0.09	U	-	0.09	U	-	0.09
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	NG/G	1	0	0.05	U	-	0.05	U	-	0.05
1,2,3,7,8,9-HEXACHLORODIBENZO-p-DIOX	NG/G	1	0	0.06	U	-	0.06	U	-	0.06
1,2,3,7,8,9-HEXACHLORODIBENZOFURANS	NG/G	1	0	0.06	U	-	0.06	U	-	0.06
1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXI	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
1,2,3,7,8-PENTACHLORODIBENZOFURAN	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
2,3,4,7,8-PENTACHLORODIBENZOFURAN	NG/G	1	0	0.05	U	-	0.05	U	-	0.05

Table C - 3b

Site 3: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
2,3,7,8-TETRACHLORODIBENZOFURAN	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
HEPTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.12	U	-	0.12	U	-	0.12
HEPTACHLORODIBENZOFURANS	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
HEXACHLORODIBENZOFURANS	NG/G	1	0	0.06	U	-	0.06	U	-	0.06
HEXACHLORODIBENZOFURNS	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
HEXACHLORODIBENZPO-P-DIOXINS	NG/G	1	0	0.09	U	-	0.09	U	-	0.09
OCTACHLORODIBENZO-P-DIOXINS	NG/G	1	1	1		03_DBS	1		03_DBS	0
OCTACHLORODIBENZOFURAN	NG/G	1	0	0.12	U	-	0.12	U	-	0.12
PENTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
PENTACHLORODIBENZOFURANS	NG/G	1	0	0.05	U	-	0.05	U	-	0.05
TETRACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
TETRACHLORODIBENZOFURANS	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
HERBICIDES										
2,4 DICHLOROPHENOXY ACETIC ACID	UG/KG	10	0	99.2	U	-	1120	U	-	99.7
2,4,5-T	UG/KG	10	0	24.8	U	-	281	U	-	24.9
2,4,5-TP (SILVEX)	UG/KG	10	1	24.8	U	-	49.6		03_UGS	24.9
2,4-DB	UG/KG	10	0	49.6	U	-	562	U	-	49.8
DALAPON	UG/KG	10	0	49.6	U	-	562	U	-	49.8
DICAMBA	UG/KG	10	0	49.6	U	-	562	U	-	49.8
DICHLOROPROP	UG/KG	10	0	99.2	U	-	1120	U	-	99.7
DINOSEB	UG/KG	10	0	24.8	U	-	281	U	-	24.9
MCPA	UG/KG	10	0	24800	U	-	281000	U	-	24900
MCPP	UG/KG	10	0	24800	U	-	281000	U	-	24900
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	13	6	12.4	U	-	79.9		03_AC2	12.6
TFH GASOLINE	MG/KG	13	9	0.05	U	-	13.8		03_LF1	0.0505
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	13	5	14	U	-	223		03_AC2	14

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 4b

Site 4: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
AMMONIA-N	MG/KG	19	18	0.54	U	-	36		04_SA3	0.54
NITRATE/NITRITE-N	MG/KG	1	1	0.99		04_DD1	0.99		04_DD1	0.58
TOTAL KJELDAHL NITROGEN (TKN)	MG/KG	2	2	84		04_SA1	140		04_SA2	0
METALS										
ALUMINUM	MG/KG	23	23	2490		04_SA2	29000		04_SA3	31
ANTIMONY	MG/KG	23	2	2.5	U	-	3.5	b	04_CBAC	12.1
ARSENIC	MG/KG	23	22	0.9	U	-	7.5		04_DD3	0.6
BARIUM	MG/KG	23	23	40.5	b	04_SA2	223		04_SA1	0.1
BERYLLIUM	MG/KG	23	15	0.12	U	-	1	b	04_SA3	0.5
CADMIUM	MG/KG	23	23	0.36	b	04_SA2	22.8		04_DD2	1.2
CALCIUM	MG/KG	23	23	2790		04_DD3	10900		04_SA3	103
CHROMIUM	MG/KG	23	23	6.2		04_UGS	85.1		04_DD1	3.7
COBALT	MG/KG	23	23	1.5	b	04_SA2	10.3	b	04_SA3	5.8
COPPER	MG/KG	23	22	2.4	b	04_SA2	49.4		04_CBAC	0.9
IRON	MG/KG	23	23	3830		04_SA2	30000		04_SA3	2.3
LEAD	MG/KG	23	23	0.96		04_SA2	258		04_CBAC	0.6
MAGNESIUM	MG/KG	23	23	1530		04_SA2	14600		04_SA3	14.3
MANGANESE	MG/KG	23	23	86.4		04_SA2	402		04_SA3	0.8
MERCURY	MG/KG	23	5	0.03	U	-	0.84		04_DD1	0.1
NICKEL	MG/KG	23	9	3.6	b	04_UGS	22.1		04_CBAC	7.7
POTASSIUM	MG/KG	23	23	921	b	04_SA2	8250		04_SA3	191
SELENIUM	MG/KG	23	0	0.1	U	-	0.2	U	-	0.5
SILVER	MG/KG	23	8	0.43	U	-	1.3	b	04_DD2	2.1
SODIUM	MG/KG	23	23	175	b	04_SA2	1790		04_SA3	12.4
THALLIUM	MG/KG	23	8	0.14	U	-	0.27	b	04_SA3	0.7
VANADIUM	MG/KG	23	23	9.5	b	04_SA2	67		04_SA3	1.9
ZINC	MG/KG	23	23	13.3		04_SA2	529		04_DD2	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	21	0	10	U	-	13	U	-	11
1,1,2,2-TETRACHLOROETHANE	UG/KG	21	0	10	U	-	13	U	-	11
1,1,2-TRICHLOROETHANE	UG/KG	21	0	10	U	-	13	U	-	11
1,1-DICHLOROETHANE	UG/KG	21	0	10	U	-	13	U	-	11

Table C - 4b

Site 4: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,1-DICHLOROETHENE	UG/KG	21	0	10	U	-	13	U	-	11
1,2-DICHLOROETHANE	UG/KG	21	0	10	U	-	13	U	-	11
1,2-DICHLOROETHENE (TOTAL)	UG/KG	21	0	10	U	-	13	U	-	11
1,2-DICHLOROPROPANE	UG/KG	21	0	10	U	-	13	U	-	11
2-BUTANONE	UG/KG	21	0	10	U	-	13	U	-	11
2-HEXANONE	UG/KG	21	0	10	U	-	13	U	-	11
4-METHYL-2-PENTANONE	UG/KG	21	0	10	U	-	13	U	-	11
ACETONE	UG/KG	21	6	4	J	04_DD1	24		04_DD1	11
BENZENE	UG/KG	21	0	10	U	-	13	U	-	11
BROMODICHLOROMETHANE	UG/KG	21	0	10	U	-	13	U	-	11
BROMOFORM	UG/KG	21	0	10	U	-	13	U	-	11
BROMOMETHANE (METHYL BROMIDE)	UG/KG	21	0	10	U	-	13	U	-	11
CARBON DISULFIDE	UG/KG	21	0	10	U	-	13	U	-	11
CARBON TETRACHLORIDE	UG/KG	21	0	10	U	-	13	U	-	11
CHLOROBENZENE	UG/KG	21	0	10	U	-	13	U	-	11
CHLORODIBROMOMETHANE	UG/KG	21	0	10	U	-	13	U	-	11
CHLOROETHANE	UG/KG	21	0	10	U	-	13	U	-	11
CHLOROFORM	UG/KG	21	0	10	U	-	13	U	-	11
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	21	0	10	U	-	13	U	-	11
CIS-1,3-DICHLOROPROPENE	UG/KG	21	0	10	U	-	13	U	-	11
ETHYLBENZENE	UG/KG	21	0	10	U	-	13	U	-	11
METHYLENE CHLORIDE	UG/KG	21	0	11	U	-	34	U	-	11
STYRENE	UG/KG	21	0	10	U	-	13	U	-	11
TETRACHLOROETHENE	UG/KG	21	0	10	U	-	13	U	-	11
TOLUENE	UG/KG	21	6	2	J	04_SA3	27		04_DD1	11
TRANS-1,3-DICHLOROPROPENE	UG/KG	21	0	10	U	-	13	U	-	11
TRICHLOROETHYLENE	UG/KG	21	0	10	U	-	13	U	-	11
VINYL CHLORIDE	UG/KG	21	0	10	U	-	13	U	-	11
XYLENE (TOTAL)	UG/KG	21	1	10	U	-	100		04_DD1	11
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	21	0	680	U	-	890	U	-	730
1,2-DICHLOROBENZENE	UG/KG	21	0	680	U	-	890	U	-	690
1,3-DICHLOROBENZENE	UG/KG	21	0	680	U	-	890	U	-	730

Table C - 4b

Site 4: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,4-DICHLOROBENZENE	UG/KG	21	0	680	U	-	890	U	-	730
2,4,5-TRICHLOROPHENOL	UG/KG	21	0	1600	U	-	2200	U	-	1700
2,4,6-TRICHLOROPHENOL	UG/KG	21	0	680	U	-	890	U	-	730
2,4-DICHLOROPHENOL	UG/KG	21	0	680	U	-	890	U	-	730
2,4-DIMETHYLPHENOL	UG/KG	21	0	680	U	-	890	U	-	730
2,4-DINITROPHENOL	UG/KG	21	0	1600	U	-	2200	U	-	1800
2,4-DINITROTOLUENE	UG/KG	21	0	680	U	-	890	U	-	730
2,6-DINITROTOLUENE	UG/KG	21	0	680	U	-	890	U	-	730
2-CHLORONAPHTHALENE	UG/KG	21	0	680	U	-	890	U	-	730
2-CHLOROPHENOL	UG/KG	21	0	680	U	-	890	U	-	690
2-METHYLNAPHTHALENE	UG/KG	21	1	680	U	-	2900		04_DD1	730
2-METHYLPHENOL	UG/KG	21	0	680	U	-	890	U	-	690
2-NITROANILINE	UG/KG	21	0	1600	U	-	2200	U	-	1800
2-NITROPHENOL	UG/KG	21	0	680	U	-	890	U	-	730
3,3'-DICHLOROBENZIDINE	UG/KG	21	0	680	U	-	890	U	-	730
3-NITROANILINE	UG/KG	21	0	1600	U	-	2200	U	-	1700
4,6-DINITRO-2-METHYLPHENOL	UG/KG	21	0	1600	U	-	2200	U	-	1800
4-BROMOPHENYL PHENYL ETHER	UG/KG	21	0	680	U	-	890	U	-	730
4-CHLORO-3-METHYLPHENOL	UG/KG	21	0	680	U	-	890	U	-	730
4-CHLOROANILINE	UG/KG	21	0	680	U	-	890	U	-	730
4-CHLOROPHENYL PHENYL ETHER	UG/KG	21	0	680	U	-	890	U	-	730
4-METHYLPHENOL	UG/KG	21	0	680	U	-	890	U	-	730
4-NITROANILINE	UG/KG	21	0	1600	U	-	2200	U	-	1800
4-NITROPHENOL	UG/KG	21	0	1600	U	-	2200	U	-	1800
ACENAPHTHENE	UG/KG	21	0	680	U	-	890	U	-	730
ACENAPHTHYLENE	UG/KG	21	0	680	U	-	890	U	-	730
ANTHRACENE	UG/KG	21	0	680	U	-	890	U	-	730
BENZO(A)ANTHRACENE	UG/KG	21	0	680	U	-	890	U	-	730
BENZO(A)PYRENE	UG/KG	21	1	220	J	04_DD1	220	J	04_DD1	730
BENZO(B)FLUORANTHENE	UG/KG	21	1	240	J	04_DD1	240	J	04_DD1	730
BENZO(GHI)PERYLENE	UG/KG	21	0	680	U	-	890	U	-	730
BENZO(K)FLUORANTHENE	UG/KG	21	1	270	J	04_DD1	270	J	04_DD1	730
BENZYL BUTYL PHTHALATE	UG/KG	21	1	170	J	04_DD3	170	J	04_DD3	730

Table C - 4b

Site 4: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BIS(2-CHLOROETHOXY) METHANE	UG/KG	21	0	680	U	-	890	U	-	730
BIS(2-CHLOROETHYL)ETHER	UG/KG	21	0	680	U	-	890	U	-	730
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	21	0	680	U	-	890	U	-	730
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	21	1	380	J	04_DD1	380	J	04_DD1	730
CARBAZOLE	UG/KG	21	0	680	U	-	890	U	-	730
CHRYSENE	UG/KG	21	1	220	J	04_DD1	220	J	04_DD1	730
DI-N-BUTYL PHTHALATE	UG/KG	21	0	680	U	-	890	U	-	730
DI-N-OCTYL PHTHALATE	UG/KG	21	0	680	U	-	890	U	-	730
DIBENZO(A,H)ANTHRACENE	UG/KG	21	0	680	U	-	890	U	-	730
DIBENZOFURAN	UG/KG	21	0	680	U	-	890	U	-	730
DIETHYL PHTHALATE	UG/KG	21	0	680	U	-	890	U	-	730
DIMETHYL PHTHALATE	UG/KG	21	0	680	U	-	890	U	-	730
FLUORANTHENE	UG/KG	21	1	190	J	04_DD1	190	J	04_DD1	730
FLUORENE	UG/KG	21	0	680	U	-	890	U	-	730
HEXACHLOROBENZENE	UG/KG	21	0	680	U	-	890	U	-	730
HEXACHLOROBUTADIENE	UG/KG	21	0	680	U	-	890	U	-	730
HEXACHLOROCYCLOPENTADIENE	UG/KG	21	0	680	U	-	890	U	-	730
HEXACHLOROETHANE	UG/KG	21	0	680	U	-	890	U	-	730
INDENO(1,2,3-CD)PYRENE	UG/KG	21	0	680	U	-	890	U	-	730
ISOPHORONE	UG/KG	21	0	680	U	-	890	U	-	730
N-NITROSODIPHENYLAMINE	UG/KG	21	0	680	U	-	890	U	-	730
N-NITROSODIPROPYLAMINE	UG/KG	21	0	680	U	-	890	U	-	730
NAPHTHALENE	UG/KG	21	2	680	U	-	23000		04_DD1	730
NITROBENZENE	UG/KG	21	0	680	U	-	890	U	-	690
PENTACHLOROPHENOL	UG/KG	21	0	1600	U	-	2200	U	-	1800
PHENANTHRENE	UG/KG	21	0	680	U	-	890	U	-	730
PHENOL	UG/KG	21	1	270	J	04_DD1	270	J	04_DD1	730
PYRENE	UG/KG	21	1	210	J	04_DD1	210	J	04_DD1	730
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	20	5	3.36	U	-	42.4	J	04_DD1	3.7
4,4'-DDE	UG/KG	20	4	3.36	U	-	15.8	J	04_DD3	3.7
4,4'-DDT	UG/KG	20	8	0.45	J	04_SA2	58.2	J	04_DD3	3.7
ALDRIN	UG/KG	20	0	1.73	U	-	9.68	U	-	1.9

Table C - 4b

Site 4: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
ALPHA-CHLORDANE	UG/KG	20	1	1.73	U	-	4.86	J	04_DD1	1.9
BHC-ALPHA	UG/KG	20	0	1.73	U	-	9.68	U	-	1.9
BHC-BETA	UG/KG	20	0	1.73	U	-	9.68	U	-	1.9
BHC-DELTA	UG/KG	20	1	1.73	U	-	2.47	J	04_DD1	1.9
BHC-GAMMA(LINDANE)	UG/KG	20	0	1.73	U	-	9.68	U	-	1.9
DIELDRIN	UG/KG	20	1	3.36	U	-	32.8	J	04_DD1	3.7
ENDOSULFAN I	UG/KG	20	1	0.76	J	04_DBS	0.76	J	04_DBS	1.9
ENDOSULFAN II	UG/KG	20	2	3.36	U	-	14.1	J	04_DD1	3.7
ENDOSULFAN SULFATE	UG/KG	20	1	0.93	J	04_DD3	0.93	J	04_DD3	3.5
ENDRIN	UG/KG	20	3	3.36	U	-	13	J	04_DD1	3.7
ENDRIN ALDEHYDE	UG/KG	20	3	3.36	U	-	8.78	J	04_DD2	3.7
ENDRIN KETONE	UG/KG	20	3	0.52	J	04_DD3	7	J	04_DD2	3.7
GAMMA-CHLORDANE	UG/KG	20	3	0.3	J	04_DD3	8.11	J	04_DD1	1.9
HEPTACHLOR	UG/KG	20	0	1.73	U	-	9.68	U	-	1.9
HEPTACHLOR EPOXIDE	UG/KG	20	0	1.73	U	-	9.68	U	-	1.8
METHOXYCHLOR	UG/KG	20	2	3.06	J	04_DD3	3.26	J	04_DD3	19
PCB-1016	UG/KG	20	0	33.6	U	-	188	U	-	36.8
PCB-1221	UG/KG	20	0	68.2	U	-	382	U	-	70.8
PCB-1232	UG/KG	20	0	33.6	U	-	188	U	-	36.8
PCB-1242	UG/KG	20	0	33.6	U	-	188	U	-	36.8
PCB-1248	UG/KG	20	0	33.6	U	-	188	U	-	36.8
PCB-1254	UG/KG	20	0	33.6	U	-	188	U	-	34.9
PCB-1260	UG/KG	20	0	33.6	U	-	188	U	-	34.9
TOXAPHENE	UG/KG	20	0	173	U	-	968	U	-	190
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	23	7	12.7	U	-	16400		04_DD1	13.9
TFH GASOLINE	MG/KG	23	8	0.05	U	-	3.11		04_DD1	0.0555
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	9	0	20	U	-	20	U	-	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 5b

Site 5: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	6	6	4750		05_LF3	8880		05_LF2	31
ANTIMONY	MG/KG	6	0	2.4	U	-	2.5	U	-	12.1
ARSENIC	MG/KG	6	6	1.5	b	05_UGS	3.3		05_LF3	0.7
BARIUM	MG/KG	6	6	61.3		05_UGS	75.8		05_LF1	0.1
BERYLLIUM	MG/KG	6	4	0.22	b	05_LF1	0.23	b	05_LF3	0.28
CADMIUM	MG/KG	6	6	0.96	b	05_UGS	1.2		05_LF3	1.2
CALCIUM	MG/KG	6	6	2920		05_UGS	12400		05_LF1	103
CHROMIUM	MG/KG	6	6	5.8		05_UGS	7.4		05_LF2	3.7
COBALT	MG/KG	6	6	1.8	b	05_UGS	3.7	b	05_LF2	5.8
COPPER	MG/KG	6	6	5.8		05_UGS	17.3		05_LF3	0.9
IRON	MG/KG	6	6	7180		05_LF3	9790		05_LF2	2.3
LEAD	MG/KG	6	6	2.6		05_UGS	38.5		05_LF3	0.6
MAGNESIUM	MG/KG	6	6	2460		05_UGS	3820		05_LF2	14.3
MANGANESE	MG/KG	6	6	136		05_UGS	168		05_LF2	0.8
MERCURY	MG/KG	6	2	0.03	U	-	0.05	b	05_LF3	0.1
NICKEL	MG/KG	6	4	5.6	b	05_LF1	7.7	b	05_DBS	6.4
POTASSIUM	MG/KG	6	6	1780		05_DBS	2460		05_LF2	191
SELENIUM	MG/KG	6	1	0.1	U	-	0.1	b	05_UGS	0.5
SILVER	MG/KG	6	2	0.43	U	-	0.5	b	05_LF1	2.1
SODIUM	MG/KG	6	6	182	b	05_LF2	304	b	05_UGS	12.4
THALLIUM	MG/KG	6	5	0.14	b	05_UGS	0.22	J	05_DBS	0.7
VANADIUM	MG/KG	6	6	17.5		05_LF3	23.3		05_LF2	1.9
ZINC	MG/KG	6	6	27		05_UGS	98		05_LF3	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	4	0	10	U	-	10	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	4	0	10	U	-	10	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	4	0	10	U	-	10	U	-	10
1,1-DICHLOROETHANE	UG/KG	4	0	10	U	-	10	U	-	10
1,1-DICHLOROETHENE	UG/KG	4	0	10	U	-	10	U	-	10
1,2-DICHLOROETHANE	UG/KG	4	0	10	U	-	10	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	4	0	10	U	-	10	U	-	10
1,2-DICHLOROPROPANE	UG/KG	4	0	10	U	-	10	U	-	10

Table C - 5b

Site 5: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	4	0	10	U	-	10	U	-	10
2-HEXANONE	UG/KG	4	0	10	U	-	10	U	-	10
4-METHYL-2-PENTANONE	UG/KG	4	0	10	U	-	10	U	-	10
ACETONE	UG/KG	4	0	27	U	-	64	U	-	10
BENZENE	UG/KG	4	0	10	U	-	10	U	-	10
BROMODICHLOROMETHANE	UG/KG	4	0	10	U	-	10	U	-	10
BROMOFORM	UG/KG	4	0	10	U	-	10	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	4	0	10	U	-	10	U	-	10
CARBON DISULFIDE	UG/KG	4	0	10	U	-	10	U	-	10
CARBON TETRACHLORIDE	UG/KG	4	0	10	U	-	10	U	-	10
CHLOROBENZENE	UG/KG	4	0	10	U	-	10	U	-	10
CHLORODIBROMOMETHANE	UG/KG	4	0	10	U	-	10	U	-	10
CHLOROETHANE	UG/KG	4	0	10	U	-	10	U	-	10
CHLOROFORM	UG/KG	4	0	10	U	-	10	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	4	0	10	U	-	10	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	4	0	10	U	-	10	U	-	10
ETHYLBENZENE	UG/KG	4	0	10	U	-	10	U	-	10
METHYLENE CHLORIDE	UG/KG	4	0	10	U	-	14	U	-	10
STYRENE	UG/KG	4	0	10	U	-	10	U	-	10
TETRACHLOROETHENE	UG/KG	4	0	10	U	-	10	U	-	10
TOLUENE	UG/KG	4	2	4	J	05_LF1	4	J	05_LF1	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	4	0	10	U	-	10	U	-	10
TRICHLOROETHYLENE	UG/KG	4	0	10	U	-	10	U	-	10
VINYL CHLORIDE	UG/KG	4	0	10	U	-	10	U	-	10
XYLENE (TOTAL)	UG/KG	4	0	10	U	-	10	U	-	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	4	0	660	U	-	670	U	-	660
1,2-DICHLOROBENZENE	UG/KG	4	0	660	U	-	670	U	-	660
1,3-DICHLOROBENZENE	UG/KG	4	0	660	U	-	670	U	-	660
1,4-DICHLOROBENZENE	UG/KG	4	0	660	U	-	670	U	-	660
2,4,5-TRICHLOROPHENOL	UG/KG	4	0	1600	U	-	1600	U	-	1600
2,4,6-TRICHLOROPHENOL	UG/KG	4	0	660	U	-	670	U	-	660
2,4-DICHLOROPHENOL	UG/KG	4	0	660	U	-	670	U	-	660

Table C - 5b

Site 5: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DIMETHYLPHENOL	UG/KG	4	0	660	U	-	670	U	-	660
2,4-DINITROPHENOL	UG/KG	4	0	1600	U	-	1600	U	-	1600
2,4-DINITROTOLUENE	UG/KG	4	0	660	U	-	670	U	-	660
2,6-DINITROTOLUENE	UG/KG	4	0	660	U	-	670	U	-	660
2-CHLORONAPHTHALENE	UG/KG	4	0	660	U	-	670	U	-	660
2-CHLOROPHENOL	UG/KG	4	0	660	U	-	670	U	-	660
2-METHYLNAPHTHALENE	UG/KG	4	0	660	U	-	670	U	-	660
2-METHYLPHENOL	UG/KG	4	0	660	U	-	670	U	-	660
2-NITROANILINE	UG/KG	4	0	1600	U	-	1600	U	-	1600
2-NITROPHENOL	UG/KG	4	0	660	U	-	670	U	-	660
3,3'-DICHLOROBENZIDINE	UG/KG	4	0	660	U	-	670	U	-	660
3-NITROANILINE	UG/KG	4	0	1600	U	-	1600	U	-	1600
4,6-DINITRO-2-METHYLPHENOL	UG/KG	4	0	1600	U	-	1600	U	-	1600
4-BROMOPHENYL PHENYL ETHER	UG/KG	4	0	660	U	-	670	U	-	660
4-CHLORO-3-METHYLPHENOL	UG/KG	4	0	660	U	-	670	U	-	660
4-CHLOROANILINE	UG/KG	4	0	660	U	-	670	U	-	660
4-CHLOROPHENYL PHENYL ETHER	UG/KG	4	0	660	U	-	670	U	-	660
4-METHYLPHENOL	UG/KG	4	0	660	U	-	670	U	-	660
4-NITROANILINE	UG/KG	4	0	1600	U	-	1600	U	-	1600
4-NITROPHENOL	UG/KG	4	0	1600	U	-	1600	U	-	1600
ACENAPHTHENE	UG/KG	4	0	660	U	-	670	U	-	660
ACENAPHTHYLENE	UG/KG	4	0	660	U	-	670	U	-	660
ANTHRACENE	UG/KG	4	0	660	U	-	670	U	-	660
BENZO(A)ANTHRACENE	UG/KG	4	0	660	U	-	670	U	-	660
BENZO(A)PYRENE	UG/KG	4	0	660	U	-	670	U	-	660
BENZO(B)FLUORANTHENE	UG/KG	4	0	660	U	-	670	U	-	660
BENZO(GHI)PERYLENE	UG/KG	4	0	660	U	-	670	U	-	660
BENZO(K)FLUORANTHENE	UG/KG	4	0	660	U	-	670	U	-	660
BENZYL BUTYL PHTHALATE	UG/KG	4	0	660	U	-	960	U	-	660
BIS(2-CHLOROETHOXY) METHANE	UG/KG	4	0	660	U	-	670	U	-	660
BIS(2-CHLOROETHYL)ETHER	UG/KG	4	0	660	U	-	670	U	-	660
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	4	0	660	U	-	670	U	-	660
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	4	0	660	U	-	670	U	-	660

Table C - 5b

Site 5: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
CARBAZOLE	UG/KG	4	0	660	U	-	670	U	-	660
CHRYSENE	UG/KG	4	0	660	U	-	670	U	-	660
DI-N-BUTYL PHTHALATE	UG/KG	4	0	660	U	-	670	U	-	660
DI-N-OCTYL PHTHALATE	UG/KG	4	0	660	U	-	670	U	-	660
DIBENZO(A,H)ANTHRACENE	UG/KG	4	0	660	U	-	670	U	-	660
DIBENZOFURAN	UG/KG	4	0	660	U	-	670	U	-	660
DIETHYL PHTHALATE	UG/KG	4	0	660	U	-	670	U	-	660
DIMETHYL PHTHALATE	UG/KG	4	0	660	U	-	670	U	-	660
FLUORANTHENE	UG/KG	4	0	660	U	-	670	U	-	660
FLUORENE	UG/KG	4	0	660	U	-	670	U	-	660
HEXACHLOROBENZENE	UG/KG	4	0	660	U	-	670	U	-	660
HEXACHLOROBUTADIENE	UG/KG	4	0	660	U	-	670	U	-	660
HEXACHLOROCYCLOPENTADIENE	UG/KG	4	0	660	U	-	670	U	-	660
HEXACHLOROETHANE	UG/KG	4	0	660	U	-	670	U	-	660
INDENO(1,2,3-CD)PYRENE	UG/KG	4	0	660	U	-	670	U	-	660
ISOPHORONE	UG/KG	4	0	660	U	-	670	U	-	660
N-NITROSODIPHENYLAMINE	UG/KG	4	0	660	U	-	670	U	-	660
N-NITROSODIPROPYLAMINE	UG/KG	4	0	660	U	-	670	U	-	660
NAPHTHALENE	UG/KG	4	0	660	U	-	670	U	-	660
NITROBENZENE	UG/KG	4	0	660	U	-	670	U	-	660
PENTACHLOROPHENOL	UG/KG	4	0	1600	U	-	1600	U	-	1600
PHENANTHRENE	UG/KG	4	0	660	U	-	670	U	-	660
PHENOL	UG/KG	4	0	660	U	-	670	U	-	660
PYRENE	UG/KG	4	0	660	U	-	670	U	-	660
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	4	0	3.34	U	-	98.6	U	-	3.4
4,4'-DDE	UG/KG	4	0	3.34	U	-	98.6	U	-	3.4
4,4'-DDT	UG/KG	4	2	3.34	U	-	239		05_LF3	3.4
ALDRIN	UG/KG	4	0	1.72	U	-	50.8	U	-	1.7
ALPHA-CHLORDANE	UG/KG	4	0	1.72	U	-	50.8	U	-	1.7
BHC-ALPHA	UG/KG	4	0	1.72	U	-	50.8	U	-	1.7
BHC-BETA	UG/KG	4	0	1.72	U	-	50.8	U	-	1.7
BHC-DELTA	UG/KG	4	0	1.72	U	-	50.8	U	-	1.7

Table C - 5b

Site 5: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BHC-GAMMA(LINDANE)	UG/KG	4	0	1.72	U	-	50.8	U	-	1.7
DIELDRIN	UG/KG	4	0	3.34	U	-	98.6	U	-	3.4
ENDOSULFAN I	UG/KG	4	0	1.72	U	-	50.8	U	-	1.7
ENDOSULFAN II	UG/KG	4	0	3.34	U	-	98.6	U	-	3.4
ENDOSULFAN SULFATE	UG/KG	4	0	3.34	U	-	98.6	U	-	3.4
ENDRIN	UG/KG	4	0	3.34	U	-	98.6	U	-	3.4
ENDRIN ALDEHYDE	UG/KG	4	0	3.34	U	-	98.6	U	-	3.4
ENDRIN KETONE	UG/KG	4	0	3.34	U	-	98.6	U	-	3.4
GAMMA-CHLORDANE	UG/KG	4	0	1.72	U	-	50.8	U	-	1.7
HEPTACHLOR	UG/KG	4	0	1.72	U	-	50.8	U	-	1.7
HEPTACHLOR EPOXIDE	UG/KG	4	0	1.72	U	-	50.8	U	-	1.7
METHOXYCHLOR	UG/KG	4	1	17.2	U	-	122		05_LF1	17.3
PCB-1016	UG/KG	4	0	33.4	U	-	986	U	-	33.5
PCB-1221	UG/KG	4	0	67.8	U	-	2000	U	-	68.1
PCB-1232	UG/KG	4	0	33.4	U	-	986	U	-	33.5
PCB-1242	UG/KG	4	0	33.4	U	-	986	U	-	33.5
PCB-1248	UG/KG	4	0	33.4	U	-	986	U	-	33.5
PCB-1254	UG/KG	4	0	33.4	U	-	986	U	-	33.5
PCB-1260	UG/KG	4	0	33.4	U	-	986	U	-	33.5
TOXAPHENE	UG/KG	4	0	172	U	-	5080	U	-	173
DIOXINS AND FURANS										
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-D	NG/G	1	0	0.08	U	-	0.08	U	-	0.08
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURA	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURA	NG/G	1	0	0.07	U	-	0.07	U	-	0.07
1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOX	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
1,2,3,6,7,8-HEXACHLORODIBENZO	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
1,2,3,7,8,9-HEXACHLORODIBENZO-p-DIOX	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
1,2,3,7,8,9-HEXACHLORODIBENZOFURANS	NG/G	1	0	0.05	U	-	0.05	U	-	0.05
1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXI	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
1,2,3,7,8-PENTACHLORODIBENZOFURAN	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
2,3,4,7,8-PENTACHLORODIBENZOFURAN	NG/G	1	0	0.01	U	-	0.01	U	-	0.01

Table C - 5b

Site 5: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
2,3,7,8-TETRACHLORODIBENZOFURAN	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
HEPTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.08	U	-	0.08	U	-	0.08
HEPTACHLORODIBENZOFURANS	NG/G	1	0	0.07	U	-	0.07	U	-	0.07
HEXACHLORODIBENZOFURANS	NG/G	1	0	0.05	U	-	0.05	U	-	0.05
HEXACHLORODIBENZOFURNS	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
HEXACHLORODIBENZPO-P-DIOXINS	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
OCTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.19	U	-	0.19	U	-	0.19
OCTACHLORODIBENZOFURAN	NG/G	1	0	0.14	U	-	0.14	U	-	0.14
PENTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
PENTACHLORODIBENZOFURANS	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
TETRACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
TETRACHLORODIBENZOFURANS	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
HERBICIDES										
2,4 DICHLOROPHENOXY ACETIC ACID	UG/KG	5	0	100	U	-	102	U	-	101
2,4,5-T	UG/KG	5	0	25.1	U	-	25.4	U	-	25.2
2,4,5-TP (SILVEX)	UG/KG	5	2	25.1	U	-	55.6		05_UGS	25.2
2,4-DB	UG/KG	5	0	50.3	U	-	50.8	U	-	50.6
DALAPON	UG/KG	5	0	50.3	U	-	50.8	U	-	50.4
DICAMBA	UG/KG	5	0	50.3	U	-	50.8	U	-	50.6
DICHLOROPROP	UG/KG	5	0	100	U	-	102	U	-	101
DINOSEB	UG/KG	5	0	25.1	U	-	25.4	U	-	25.2
MCPA	UG/KG	5	0	25100	U	-	25400	U	-	25200
MCPP	UG/KG	5	0	25100	U	-	25400	U	-	25200
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	6	0	12.5	U	-	12.7	U	-	12.7
TFH GASOLINE	MG/KG	6	1	0.05	U	-	0.08		05_LF2	0.0508
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	6	3	20	U	-	877		05_LF3	0

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 6b

Site 6: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	26	26	4400		06_UGS	18100		06_DD1	31
ANTIMONY	MG/KG	26	1	2.5	U	-	5.3	b	06_GN3	12.1
ARSENIC	MG/KG	26	26	1.8	b	06_UGS	4.2		06_DD1	0.7
BARIUM	MG/KG	26	25	0.48	U	-	1280		06_DD1	0.1
BERYLLIUM	MG/KG	26	24	0.2	U	-	0.83	b	06_DD1	0.2
CADMIUM	MG/KG	26	24	0.57	U	-	11.8		06_DD1	1.2
CALCIUM	MG/KG	26	26	2060		06_GN3	14700		06_CBAC	103
CHROMIUM	MG/KG	26	26	5.5		06_UGS	365		06_GN3	3.7
COBALT	MG/KG	26	25	2.7	b	06_UGS	10.6		06_GN3	5.8
COPPER	MG/KG	26	26	4.1	b	06_GN1	26.5		06_DD1	0.9
IRON	MG/KG	26	26	6840		06_UGS	20800		06_DD1	2.3
LEAD	MG/KG	26	26	2.8		06_UGS	1410		06_GN3	0.6
MAGNESIUM	MG/KG	26	26	2660		06_GN3	7680		06_DD1	14.3
MANGANESE	MG/KG	26	26	154		06_CBAC	344		06_DD2	0.8
MERCURY	MG/KG	26	8	0.03	U	-	0.2		06_ST3	0.5
NICKEL	MG/KG	26	26	5.4	b	06_UGS	15.9		06_DD1	7.7
POTASSIUM	MG/KG	26	26	1490		06_UGS	4470		06_DD2	191
SELENIUM	MG/KG	26	1	0.1	U	-	1.1		06_UGS	0.5
SILVER	MG/KG	26	2	0.31	U	-	1.2	b	06_GN3	2.1
SODIUM	MG/KG	26	4	149	U	-	604	b	06_GN3	149
THALLIUM	MG/KG	26	8	0.14	U	-	0.5	b	06_GN1	0.7
VANADIUM	MG/KG	26	26	18.4		06_UGS	46.9		06_DD1	1.9
ZINC	MG/KG	26	26	22.9		06_UGS	266		06_DD1	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	24	0	10	U	-	12	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	24	0	10	U	-	12	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	24	0	10	U	-	12	U	-	10
1,1-DICHLOROETHANE	UG/KG	24	0	10	U	-	12	U	-	10
1,1-DICHLOROETHENE	UG/KG	24	0	10	U	-	12	U	-	10
1,2-DICHLOROETHANE	UG/KG	24	0	10	U	-	12	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	24	0	10	U	-	12	U	-	10
1,2-DICHLOROPROPANE	UG/KG	24	0	10	U	-	12	U	-	10

Table C - 6b

Site 6: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	24	0	10	U	-	12	U	-	10
2-HEXANONE	UG/KG	24	0	10	U	-	12	U	-	10
4-METHYL-2-PENTANONE	UG/KG	24	0	10	U	-	12	U	-	10
ACETONE	UG/KG	24	3	10	J	06_ST2	49	B	06_DD2	10
BENZENE	UG/KG	24	0	10	U	-	12	U	-	10
BROMODICHLOROMETHANE	UG/KG	24	0	10	U	-	12	U	-	10
BROMOFORM	UG/KG	24	0	10	U	-	12	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	24	0	10	U	-	12	U	-	10
CARBON DISULFIDE	UG/KG	24	0	10	U	-	12	U	-	10
CARBON TETRACHLORIDE	UG/KG	24	6	3	J	06_DD2	7	J	06_DBS	10
CHLOROBENZENE	UG/KG	24	0	10	U	-	12	U	-	10
CHLORODIBROMOMETHANE	UG/KG	24	0	10	U	-	12	U	-	10
CHLOROETHANE	UG/KG	24	0	10	U	-	12	U	-	10
CHLOROFORM	UG/KG	24	0	10	U	-	12	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	24	0	10	U	-	12	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	24	0	10	U	-	12	U	-	10
ETHYLBENZENE	UG/KG	24	0	10	U	-	12	U	-	10
METHYLENE CHLORIDE	UG/KG	24	1	10	U	-	31	B	06_CBAC	10
STYRENE	UG/KG	24	0	10	U	-	12	U	-	10
TETRACHLOROETHENE	UG/KG	24	0	10	U	-	12	U	-	10
TOLUENE	UG/KG	24	9	2	J	06_DBS	10	J	06_DD2	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	24	0	10	U	-	12	U	-	10
TRICHLOROETHYLENE	UG/KG	24	0	10	U	-	12	U	-	10
VINYL CHLORIDE	UG/KG	24	0	10	U	-	12	U	-	10
XYLENE (TOTAL)	UG/KG	24	0	10	U	-	12	U	-	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	24	0	670	U	-	1100	U	-	1100
1,2-DICHLOROBENZENE	UG/KG	24	0	670	U	-	1100	U	-	1100
1,3-DICHLOROBENZENE	UG/KG	24	0	670	U	-	1100	U	-	1100
1,4-DICHLOROBENZENE	UG/KG	24	0	670	U	-	1100	U	-	1100
2,4,5-TRICHLOROPHENOL	UG/KG	24	0	1600	U	-	2700	U	-	2700
2,4,6-TRICHLOROPHENOL	UG/KG	24	0	670	U	-	1100	U	-	1100
2,4-DICHLOROPHENOL	UG/KG	24	0	670	U	-	1100	U	-	1100

Table C - 6b

Site 6: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DIMETHYLPHENOL	UG/KG	24	0	670	U	-	1100	U	-	1100
2,4-DINITROPHENOL	UG/KG	24	0	1600	U	-	2700	U	-	2700
2,4-DINITROTOLUENE	UG/KG	24	0	670	U	-	1100	U	-	1100
2,6-DINITROTOLUENE	UG/KG	24	0	670	U	-	1100	U	-	1100
2-CHLORONAPHTHALENE	UG/KG	24	0	670	U	-	1100	U	-	1100
2-CHLOROPHENOL	UG/KG	24	0	670	U	-	1100	U	-	1100
2-METHYLNAPHTHALENE	UG/KG	24	0	670	U	-	1100	U	-	1100
2-METHYLPHENOL	UG/KG	24	0	670	U	-	1100	U	-	1100
2-NITROANILINE	UG/KG	24	0	1600	U	-	2700	U	-	2700
2-NITROPHENOL	UG/KG	24	0	670	U	-	1100	U	-	1100
3,3'-DICHLOROBENZIDINE	UG/KG	24	0	670	U	-	1100	U	-	1100
3-NITROANILINE	UG/KG	24	0	1600	U	-	2700	U	-	2700
4,6-DINITRO-2-METHYLPHENOL	UG/KG	24	0	1600	U	-	2700	U	-	2700
4-BROMOPHENYL PHENYL ETHER	UG/KG	24	0	670	U	-	1100	U	-	1100
4-CHLORO-3-METHYLPHENOL	UG/KG	24	0	670	U	-	1100	U	-	1100
4-CHLOROANILINE	UG/KG	24	0	670	U	-	1100	U	-	1100
4-CHLOROPHENYL PHENYL ETHER	UG/KG	24	0	670	U	-	1100	U	-	1100
4-METHYLPHENOL	UG/KG	24	0	670	U	-	1100	U	-	1100
4-NITROANILINE	UG/KG	24	0	1600	U	-	2700	U	-	2700
4-NITROPHENOL	UG/KG	24	0	1600	U	-	2700	U	-	2700
ACENAPHTHENE	UG/KG	24	0	670	U	-	1100	U	-	1100
ACENAPHTHYLENE	UG/KG	24	0	670	U	-	1100	U	-	1100
ANTHRACENE	UG/KG	24	0	670	U	-	1100	U	-	1100
BENZO(A)ANTHRACENE	UG/KG	24	0	670	U	-	1100	U	-	1100
BENZO(A)PYRENE	UG/KG	24	0	670	U	-	1100	U	-	1100
BENZO(B)FLUORANTHENE	UG/KG	24	0	670	U	-	1100	U	-	1100
BENZO(GHI)PERYLENE	UG/KG	24	0	670	U	-	1100	U	-	1100
BENZO(K)FLUORANTHENE	UG/KG	24	0	670	U	-	1100	U	-	1100
BENZYL BUTYL PHTHALATE	UG/KG	24	2	300	J	06_ST3	440	J	06_DBS	1100
BIS(2-CHLOROETHOXY) METHANE	UG/KG	24	0	670	U	-	1100	U	-	1100
BIS(2-CHLOROETHYL)ETHER	UG/KG	24	0	670	U	-	1100	U	-	1100
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	24	0	670	U	-	1100	U	-	1100
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	24	6	220	J	06_ST1	14000	B	06_GN3	1100

Table C - 6b

Site 6: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
CARBAZOLE	UG/KG	24	0	670	U	-	1100	U	-	1100
CHRYSENE	UG/KG	24	0	670	U	-	1100	U	-	1100
DI-N-BUTYL PHTHALATE	UG/KG	24	0	670	U	-	1100	U	-	1100
DI-N-OCTYL PHTHALATE	UG/KG	24	0	670	U	-	1100	U	-	1100
DIBENZO(A,H)ANTHRACENE	UG/KG	24	0	670	U	-	1100	U	-	1100
DIBENZOFURAN	UG/KG	24	0	670	U	-	1100	U	-	1100
DIETHYL PHTHALATE	UG/KG	24	0	670	U	-	1100	U	-	1100
DIMETHYL PHTHALATE	UG/KG	24	0	670	U	-	1100	U	-	1100
FLUORANTHENE	UG/KG	24	1	160	J	06_DD1	160	J	06_DD1	1100
FLUORENE	UG/KG	24	0	670	U	-	1100	U	-	1100
HEXACHLOROBENZENE	UG/KG	24	0	670	U	-	1100	U	-	1100
HEXACHLOROBUTADIENE	UG/KG	24	0	670	U	-	1100	U	-	1100
HEXACHLOROCYCLOPENTADIENE	UG/KG	24	0	670	U	-	1100	U	-	1100
HEXACHLOROETHANE	UG/KG	24	0	670	U	-	1100	U	-	1100
INDENO(1,2,3-CD)PYRENE	UG/KG	24	0	670	U	-	1100	U	-	1100
ISOPHORONE	UG/KG	24	0	670	U	-	1100	U	-	1100
N-NITROSODIPHENYLAMINE	UG/KG	24	0	670	U	-	1100	U	-	1100
N-NITROSODIPROPYLAMINE	UG/KG	24	0	670	U	-	1100	U	-	1100
NAPHTHALENE	UG/KG	24	0	670	U	-	1100	U	-	1100
NITROBENZENE	UG/KG	24	0	670	U	-	1100	U	-	1100
PENTACHLOROPHENOL	UG/KG	24	0	1600	U	-	2700	U	-	2700
PHENANTHRENE	UG/KG	24	0	670	U	-	1100	U	-	1100
PHENOL	UG/KG	24	0	670	U	-	1100	U	-	1100
PYRENE	UG/KG	24	1	150	J	06_DD1	150	J	06_DD1	1100
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	26	13	0		06_UGS	239		06_GN3	12.8
TFH GASOLINE	MG/KG	23	8	0.05	U	-	315		06_CBAC	5.15
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	26	11	20	U	-	1297		06_ST3	0

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 7b

Site 7: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	42	42	2670		07_DD3	16900		07_ST1	6.6
ANTIMONY	MG/KG	42	0	2.5	U	-	2.9	U	-	2.6
ARSENIC	MG/KG	42	42	0.55	b	07_OP2	5.8		07_OP3	0.7
BARIUM	MG/KG	42	41	0.24	U	-	729		07_NP2	0.02
BERYLLIUM	MG/KG	42	32	0.1	U	-	0.72	b	07_ST1	0.11
CADMIUM	MG/KG	42	42	0.37	b	07_ST2	6		07_STDB	0.25
CALCIUM	MG/KG	42	42	1680		07_OP2	21300		07_GN2	21.8
CHROMIUM	MG/KG	42	42	2.8		07_OP2	62		07_ST3	0.78
COBALT	MG/KG	42	42	1.2	b	07_DD3	31.2		07_OP1	1.2
COPPER	MG/KG	42	42	2.7	b	07_OP2	46		07_NP1	0.9
IRON	MG/KG	42	41	12.1	U	-	21400		07_ST1	0.5
LEAD	MG/KG	42	42	0.01		07_ST3	931		07_GN1	0.6
MAGNESIUM	MG/KG	42	42	1500		07_OP1	10800		07_ST1	3.1
MANGANESE	MG/KG	42	42	74.6		07_OP1	325		07_ST1	0.18
MERCURY	MG/KG	42	2	0.03	U	-	0.51		07_GN3	0.1
NICKEL	MG/KG	42	42	2	b	07_OP2	17		07_STDB	1.6
POTASSIUM	MG/KG	42	42	866	b	07_OP1	5480		07_ST1	40.5
SELENIUM	MG/KG	42	2	0.1	U	-	0.2	b	07_STDB	0.5
SILVER	MG/KG	42	0	0.43	U	-	0.5	U	-	0.46
SODIUM	MG/KG	42	41	64.7	U	-	930	b	07_ST1	2.7
THALLIUM	MG/KG	42	14	0.14	U	-	0.47	b	07_NP3	0.7
VANADIUM	MG/KG	42	42	9.4	b	07_OP1	54.6		07_ST1	0.4
ZINC	MG/KG	42	42	15.1		07_DD3	151		07_GN1	0.47
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	40	0	10	U	-	12	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	40	0	10	U	-	12	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	40	0	10	U	-	12	U	-	10
1,1-DICHLOROETHANE	UG/KG	40	0	10	U	-	12	U	-	10
1,1-DICHLOROETHENE	UG/KG	40	0	10	U	-	12	U	-	10
1,2-DICHLOROETHANE	UG/KG	40	0	10	U	-	12	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	40	0	10	U	-	12	U	-	10
1,2-DICHLOROPROPANE	UG/KG	40	0	10	U	-	12	U	-	10

Table C - 7b

Site 7: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	40	0	10	U	-	12	U	-	10
2-HEXANONE	UG/KG	40	0	10	U	-	12	U	-	10
4-METHYL-2-PENTANONE	UG/KG	40	0	10	U	-	12	U	-	10
ACETONE	UG/KG	40	14	5	J	07_DD1	64	B	07_GN1	10
BENZENE	UG/KG	40	1	9	J	07_ST2	9	J	07_ST2	10
BROMODICHLOROMETHANE	UG/KG	40	0	10	U	-	12	U	-	10
BROMOFORM	UG/KG	40	0	10	U	-	12	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	40	0	10	U	-	12	U	-	10
CARBON DISULFIDE	UG/KG	40	0	10	U	-	12	U	-	10
CARBON TETRACHLORIDE	UG/KG	40	2	2	J	07_ST1	2	J	07_ST1	10
CHLOROBENZENE	UG/KG	40	0	10	U	-	12	U	-	10
CHLORODIBROMOMETHANE	UG/KG	40	0	10	U	-	12	U	-	10
CHLOROETHANE	UG/KG	40	0	10	U	-	12	U	-	10
CHLOROFORM	UG/KG	40	0	10	U	-	12	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	40	0	10	U	-	12	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	40	0	10	U	-	12	U	-	10
ETHYLBENZENE	UG/KG	40	0	10	U	-	12	U	-	10
METHYLENE CHLORIDE	UG/KG	41	2	5	J	07_GN2	14		07_ST2	10
STYRENE	UG/KG	40	0	10	U	-	12	U	-	10
TETRACHLOROETHENE	UG/KG	40	0	10	U	-	12	U	-	10
TOLUENE	UG/KG	40	16	2	J	07_NP3	14		07_GN3	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	40	0	10	U	-	12	U	-	10
TRICHLOROETHYLENE	UG/KG	40	0	10	U	-	12	U	-	10
VINYL CHLORIDE	UG/KG	40	0	10	U	-	12	U	-	10
XYLENE (TOTAL)	UG/KG	40	1	3	J	07_GN3	3	J	07_GN3	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	40	0	670	U	-	21000	U	-	1300
1,2-DICHLOROBENZENE	UG/KG	40	0	670	U	-	21000	U	-	1300
1,3-DICHLOROBENZENE	UG/KG	40	0	670	U	-	21000	U	-	1300
1,4-DICHLOROBENZENE	UG/KG	40	0	670	U	-	21000	U	-	1300
2,4,5-TRICHLOROPHENOL	UG/KG	40	0	1600	U	-	50000	U	-	3200
2,4,6-TRICHLOROPHENOL	UG/KG	40	0	670	U	-	21000	U	-	1300
2,4-DICHLOROPHENOL	UG/KG	40	0	670	U	-	21000	U	-	1300

Table C - 7b

Site 7: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DIMETHYLPHENOL	UG/KG	40	0	670	U	-	21000	U	-	1300
2,4-DINITROPHENOL	UG/KG	40	0	1600	U	-	50000	U	-	3200
2,4-DINITROTOLUENE	UG/KG	40	0	670	U	-	21000	U	-	1300
2,6-DINITROTOLUENE	UG/KG	40	0	670	U	-	21000	U	-	1300
2-CHLORONAPHTHALENE	UG/KG	40	0	670	U	-	21000	U	-	1300
2-CHLOROPHENOL	UG/KG	40	0	670	U	-	21000	U	-	1300
2-METHYLNAPHTHALENE	UG/KG	40	0	670	U	-	21000	U	-	1300
2-METHYLPHENOL	UG/KG	40	0	670	U	-	21000	U	-	1300
2-NITROANILINE	UG/KG	40	0	1600	U	-	50000	U	-	3200
2-NITROPHENOL	UG/KG	40	0	670	U	-	21000	U	-	1300
3,3'-DICHLOROBENZIDINE	UG/KG	40	0	670	U	-	21000	U	-	1300
3-NITROANILINE	UG/KG	40	0	1600	U	-	50000	U	-	3200
4,6-DINITRO-2-METHYLPHENOL	UG/KG	40	0	1600	U	-	50000	U	-	3200
4-BROMOPHENYL PHENYL ETHER	UG/KG	40	0	670	U	-	21000	U	-	1300
4-CHLORO-3-METHYLPHENOL	UG/KG	40	0	670	U	-	21000	U	-	1300
4-CHLOROANILINE	UG/KG	40	0	670	U	-	21000	U	-	1300
4-CHLOROPHENYL PHENYL ETHER	UG/KG	40	0	670	U	-	21000	U	-	1300
4-METHYLPHENOL	UG/KG	40	0	670	U	-	21000	U	-	1300
4-NITROANILINE	UG/KG	40	0	1600	U	-	50000	U	-	3200
4-NITROPHENOL	UG/KG	40	0	1600	U	-	50000	U	-	3200
ACENAPHTHENE	UG/KG	40	0	670	U	-	21000	U	-	1300
ACENAPHTHYLENE	UG/KG	40	0	670	U	-	21000	U	-	1300
ANTHRACENE	UG/KG	40	0	670	U	-	21000	U	-	1300
BENZO(A)ANTHRACENE	UG/KG	40	5	150	J	07_STDB	1300		07_NP1	1300
BENZO(A)PYRENE	UG/KG	40	7	160	J	07_NP2	1800		07_NP1	1300
BENZO(B)FLUORANTHENE	UG/KG	40	6	230	J	07_NP2	2800		07_NP1	1300
BENZO(GHI)PERYLENE	UG/KG	40	5	140	J	07_STDB	6900		07_GN1	1300
BENZO(K)FLUORANTHENE	UG/KG	40	6	160	J	07_STDB	1300		07_STDB	1300
BENZYL BUTYL PHTHALATE	UG/KG	40	0	670	U	-	21000	U	-	1300
BIS(2-CHLOROETHOXY) METHANE	UG/KG	40	0	670	U	-	21000	U	-	1300
BIS(2-CHLOROETHYL)ETHER	UG/KG	40	0	670	U	-	21000	U	-	1300
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	40	0	670	U	-	21000	U	-	1300
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	40	6	240	J	07_STDB	1400		07_GN1	1300

Table C - 7b

Site 7: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
CARBAZOLE	UG/KG	40	3	320	J	07_STDB	460	J	07_NP1	1300
CHRYSENE	UG/KG	40	7	230	J	07_STDB	2400		07_NP1	1300
DI-N-BUTYL PHTHALATE	UG/KG	40	0	670	U	-	21000	U	-	1300
DI-N-OCTYL PHTHALATE	UG/KG	40	0	670	U	-	21000	U	-	1300
DIBENZO(A,H)ANTHRACENE	UG/KG	40	2	280	J	07_STDB	410	J	07_NP1	1300
DIBENZOFURAN	UG/KG	40	0	670	U	-	21000	U	-	1300
DIETHYL PHTHALATE	UG/KG	40	1	240	J	07_GN2	240	J	07_GN2	1300
DIMETHYL PHTHALATE	UG/KG	40	0	670	U	-	21000	U	-	1300
FLUORANTHENE	UG/KG	40	8	330	J	07_GN2	4100		07_NP1	1300
FLUORENE	UG/KG	40	0	670	U	-	21000	U	-	1300
HEXACHLOROBENZENE	UG/KG	40	0	670	U	-	21000	U	-	1300
HEXACHLOROBUTADIENE	UG/KG	40	0	670	U	-	21000	U	-	1300
HEXACHLOROCYCLOPENTADIENE	UG/KG	40	0	670	U	-	21000	U	-	1300
HEXACHLOROETHANE	UG/KG	40	0	670	U	-	21000	U	-	1300
INDENO(1,2,3-CD)PYRENE	UG/KG	40	5	160	J	07_STDB	1500		07_NP1	1300
ISOPHORONE	UG/KG	40	0	670	U	-	21000	U	-	1300
N-NITROSODIPHENYLAMINE	UG/KG	40	0	670	U	-	21000	U	-	1300
N-NITROSODIPROPYLAMINE	UG/KG	40	0	670	U	-	21000	U	-	1300
NAPHTHALENE	UG/KG	40	0	670	U	-	21000	U	-	1300
NITROBENZENE	UG/KG	40	0	670	U	-	21000	U	-	1300
PENTACHLOROPHENOL	UG/KG	40	0	1600	U	-	50000	U	-	3200
PHENANTHRENE	UG/KG	40	5	280	J	07_NP2	1400		07_STDB	1300
PHENOL	UG/KG	40	0	670	U	-	21000	U	-	1300
PYRENE	UG/KG	40	9	290	J	07_GN3	3500		07_GN1	1300
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	32	3	3.34	U	-	163		07_ST1	33.4
4,4'-DDE	UG/KG	32	1	3.34	U	-	38.7		07_ST1	33.4
4,4'-DDT	UG/KG	32	5	3.35	U	-	200		07_ST1	33.4
ALDRIN	UG/KG	32	0	1.72	U	-	18	U	-	17.2
ALPHA-CHLORDANE	UG/KG	32	0	1.72	U	-	18	U	-	17.2
BHC-ALPHA	UG/KG	32	0	1.72	U	-	18	U	-	17.2
BHC-BETA	UG/KG	32	0	1.72	U	-	18	U	-	17.2
BHC-DELTA	UG/KG	32	0	1.72	U	-	18	U	-	17.2

Table C - 7b

Site 7: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BHC-GAMMA(LINDANE)	UG/KG	32	0	1.72	U	-	18	U	-	17.2
DIELDRIN	UG/KG	32	2	0.19		07_NP2	25.3		07_GN1	33.4
ENDOSULFAN I	UG/KG	32	0	1.72	U	-	18	U	-	17.2
ENDOSULFAN II	UG/KG	32	0	3.34	U	-	35	U	-	33.4
ENDOSULFAN SULFATE	UG/KG	32	3	0.88		07_NP3	66.9		07_GN1	33.4
ENDRIN	UG/KG	32	1	3.34	U	-	6.54		07_GN1	33.4
ENDRIN ALDEHYDE	UG/KG	32	0	3.34	U	-	35	U	-	33.4
ENDRIN KETONE	UG/KG	32	1	2.1		07_NP2	2.1		07_NP2	33.4
GAMMA-CHLORDANE	UG/KG	32	0	1.72	U	-	18	U	-	17.2
HEPTACHLOR	UG/KG	32	0	1.72	U	-	18	U	-	17.2
HEPTACHLOR EPOXIDE	UG/KG	32	0	1.72	U	-	18	U	-	17.2
METHOXYCHLOR	UG/KG	32	0	17.2	U	-	180	U	-	172
PCB-1016	UG/KG	32	0	33.4	U	-	350	U	-	334
PCB-1221	UG/KG	32	0	67.9	U	-	711	U	-	678
PCB-1232	UG/KG	32	0	33.4	U	-	350	U	-	334
PCB-1242	UG/KG	32	0	33.4	U	-	350	U	-	334
PCB-1248	UG/KG	32	0	33.4	U	-	350	U	-	334
PCB-1254	UG/KG	32	0	33.4	U	-	350	U	-	334
PCB-1260	UG/KG	32	0	33.4	U	-	350	U	-	334
TOXAPHENE	UG/KG	32	0	172	U	-	1800	U	-	1720
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	42	17	12.6	U	-	686		07_ST2	12.6
TFH GASOLINE	MG/KG	42	12	0.05	U	-	2.68		07_ST2	0.0506
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	40	13	20	U	-	32091		07_GN1	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 8b

Site 8: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	37	37	2410		08_UGS	29800		08_RE2	31
ANTIMONY	MG/KG	37	5	2.5	U	-	11.1	b	08_RE2	2.5
ARSENIC	MG/KG	37	37	0.5	b	08_ST3	7.9		08_RE2	0.7
BARIUM	MG/KG	37	37	17.8	b	08_UGS	287		08_RE2	0.1
BERYLLIUM	MG/KG	37	12	0.1	U	-	0.92	J	08_RE2	0.43
CADMIUM	MG/KG	37	35	0.25	U	-	108		08_RE2	1.2
CALCIUM	MG/KG	37	37	1440		08_UGS	33700		08_RE2	103
CHROMIUM	MG/KG	37	37	2	b	08_UGS	113		08_RE2	3.7
COBALT	MG/KG	37	28	1.2	b	08_PCB1	12.7		08_RE2	5.9
COPPER	MG/KG	37	37	2.3	b	08_PCB1	213		08_RE2	0.9
IRON	MG/KG	37	37	3960		08_PCB1	39300		08_RE2	2.3
LEAD	MG/KG	37	37	0.76		08_PCB1	1520		08_ST3	0.6
MAGNESIUM	MG/KG	37	37	1360		08_ST3	15900		08_RE2	14.3
MANGANESE	MG/KG	37	37	77.3		08_RE3	429		08_RE2	0.8
MERCURY	MG/KG	37	9	0.03	U	-	15.1		08_RE2	0.03
NICKEL	MG/KG	37	30	1.6	b	08_PCB1	70.3		08_RE2	7.7
POTASSIUM	MG/KG	37	37	475	b	08_UGS	6360		08_RE2	191
SELENIUM	MG/KG	37	2	0.1	U	-	0.27	J	08_ST3	0.5
SILVER	MG/KG	38	10	0.43	U	-	21.4		08_RE2	2.1
SODIUM	MG/KG	37	37	141	b	08_RE3	473	b	08_RE2	12.4
THALLIUM	MG/KG	37	9	0.14	U	-	0.51	b	08_RE2	0.15
VANADIUM	MG/KG	37	37	9.9	b	08_UGS	76.2		08_RE2	1.9
ZINC	MG/KG	37	37	12.9		08_PCB1	1510		08_RE2	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	35	0	10	U	-	12	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	35	0	10	U	-	12	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	35	0	10	U	-	12	U	-	10
1,1-DICHLOROETHANE	UG/KG	35	0	10	U	-	12	U	-	10
1,1-DICHLOROETHENE	UG/KG	35	0	10	U	-	12	U	-	10
1,2-DICHLOROETHANE	UG/KG	35	0	10	U	-	12	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	35	0	10	U	-	12	U	-	10
1,2-DICHLOROPROPANE	UG/KG	35	0	10	U	-	12	U	-	10
2-BUTANONE	UG/KG	35	9	2	J	08_RE3	4	J	08_RE3	10
2-HEXANONE	UG/KG	35	1	10	U	-	13		08_ST1	10

Table C - 8b

Site 8: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
4-METHYL-2-PENTANONE	UG/KG	35	0	10	U	-	12	U	-	10
ACETONE	UG/KG	35	1	10	U	-	11		08_PCB3	10
BENZENE	UG/KG	35	0	10	U	-	12	U	-	10
BROMODICHLOROMETHANE	UG/KG	35	0	10	U	-	12	U	-	10
BROMOFORM	UG/KG	35	0	10	U	-	12	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	35	0	10	U	-	12	U	-	10
CARBON DISULFIDE	UG/KG	35	0	10	U	-	12	U	-	10
CARBON TETRACHLORIDE	UG/KG	35	0	10	U	-	12	U	-	10
CHLOROBENZENE	UG/KG	35	0	10	U	-	12	U	-	10
CHLORODIBROMOMETHANE	UG/KG	35	0	10	U	-	12	U	-	10
CHLOROETHANE	UG/KG	35	0	10	U	-	12	U	-	10
CHLOROFORM	UG/KG	35	0	10	U	-	12	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	35	0	10	U	-	12	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	35	0	10	U	-	12	U	-	10
ETHYLBENZENE	UG/KG	35	1	2	J	08_GN1	2	J	08_GN1	10
METHYLENE CHLORIDE	UG/KG	35	2	2	J	08_RE2	66		08_RE2	10
STYRENE	UG/KG	35	0	10	U	-	12	U	-	10
TETRACHLOROETHENE	UG/KG	35	1	4	J	08_RE2	4	J	08_RE2	10
TOLUENE	UG/KG	35	10	3	J	08_ST3	10	J	08_RE1	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	35	0	10	U	-	12	U	-	10
TRICHLOROETHYLENE	UG/KG	35	0	10	U	-	12	U	-	10
VINYL CHLORIDE	UG/KG	35	0	10	U	-	12	U	-	10
XYLENE (TOTAL)	UG/KG	35	1	10	U	-	16		08_GN1	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	35	0	670	U	-	1400	U	-	670
1,2-DICHLOROBENZENE	UG/KG	35	0	670	U	-	1400	U	-	670
1,3-DICHLOROBENZENE	UG/KG	35	0	670	U	-	1400	U	-	670
1,4-DICHLOROBENZENE	UG/KG	35	0	670	U	-	1400	U	-	670
2,4,5-TRICHLOROPHENOL	UG/KG	35	0	1600	U	-	3300	U	-	1600
2,4,6-TRICHLOROPHENOL	UG/KG	35	0	670	U	-	1400	U	-	670
2,4-DICHLOROPHENOL	UG/KG	35	0	670	U	-	1400	U	-	670
2,4-DIMETHYLPHENOL	UG/KG	35	0	670	U	-	1400	U	-	670
2,4-DINITROPHENOL	UG/KG	35	0	1600	U	-	3300	U	-	1600
2,4-DINITROTOLUENE	UG/KG	35	0	670	U	-	1400	U	-	670
2,6-DINITROTOLUENE	UG/KG	35	0	670	U	-	1400	U	-	670

Table C - 8b

Site 8: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-CHLORONAPHTHALENE	UG/KG	35	0	670	U	-	1400	U	-	670
2-CHLOROPHENOL	UG/KG	35	0	670	U	-	1400	U	-	670
2-METHYLNAPHTHALENE	UG/KG	35	0	670	U	-	1400	U	-	670
2-METHYLPHENOL	UG/KG	35	0	670	U	-	1400	U	-	670
2-NITROANILINE	UG/KG	35	0	1600	U	-	3300	U	-	1600
2-NITROPHENOL	UG/KG	35	0	670	U	-	1400	U	-	670
2-PENTANONE,4-HYDROXY-4-METHYL	UG/KG	1	0	13000	U	-	13000	U	-	13000
3,3'-DICHLOROBENZIDINE	UG/KG	35	0	670	U	-	1400	U	-	670
3-NITROANILINE	UG/KG	35	0	1600	U	-	3300	U	-	1600
4,6-DINITRO-2-METHYLPHENOL	UG/KG	35	0	1600	U	-	3300	U	-	1600
4-BROMOPHENYL PHENYL ETHER	UG/KG	35	0	670	U	-	1400	U	-	670
4-CHLORO-3-METHYLPHENOL	UG/KG	35	0	670	U	-	1400	U	-	670
4-CHLOROANILINE	UG/KG	35	0	670	U	-	1400	U	-	670
4-CHLOROPHENYL PHENYL ETHER	UG/KG	35	0	670	U	-	1400	U	-	670
4-METHYLPHENOL	UG/KG	35	0	670	U	-	1400	U	-	670
4-NITROANILINE	UG/KG	35	0	1600	U	-	3300	U	-	1600
4-NITROPHENOL	UG/KG	35	0	1600	U	-	3300	U	-	1600
ACENAPHTHENE	UG/KG	35	0	670	U	-	1400	U	-	670
ACENAPHTHYLENE	UG/KG	35	0	670	U	-	1400	U	-	670
ANTHRACENE	UG/KG	35	0	670	U	-	1400	U	-	670
BENZO(A)ANTHRACENE	UG/KG	35	0	670	U	-	1400	U	-	670
BENZO(A)PYRENE	UG/KG	35	1	150	J	08_ST1	150	J	08_ST1	670
BENZO(B)FLUORANTHENE	UG/KG	35	0	670	U	-	1400	U	-	670
BENZO(GHI)PERYLENE	UG/KG	35	1	140	J	08_ST1	140	J	08_ST1	670
BENZO(K)FLUORANTHENE	UG/KG	35	0	670	U	-	1400	U	-	670
BENZYL BUTYL PHTHALATE	UG/KG	35	10	140	J	08_GN2	1900		08_RE2	670
BIS(2-CHLOROETHOXY) METHANE	UG/KG	35	0	670	U	-	1400	U	-	670
BIS(2-CHLOROETHYL)ETHER	UG/KG	35	0	670	U	-	1400	U	-	670
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	35	0	670	U	-	1400	U	-	670
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	35	10	230	J	08_PCB3	8800		08_RE2	670
CARBAZOLE	UG/KG	35	0	670	U	-	1400	U	-	670
CHRYSENE	UG/KG	35	1	160	J	08_RE2	160	J	08_RE2	670
DI-N-BUTYL PHTHALATE	UG/KG	35	4	200	J	08_PCB3	1400		08_RE3	670
DI-N-OCTYL PHTHALATE	UG/KG	35	0	670	U	-	1400	U	-	670
DIBENZO(A,H)ANTHRACENE	UG/KG	35	0	670	U	-	1400	U	-	670

Table C - 8b

Site 8: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
DIBENZOFURAN	UG/KG	35	0	670	U	-	1400	U	-	670
DIETHYL PHTHALATE	UG/KG	35	0	670	U	-	1400	U	-	670
DIMETHYL PHTHALATE	UG/KG	35	1	330	J	08_RE2	330	J	08_RE2	670
FLUORANTHENE	UG/KG	35	2	150	J	08_RE3	160	J	08_RE2	670
FLUORENE	UG/KG	35	0	670	U	-	1400	U	-	670
HEXACHLOROBENZENE	UG/KG	35	0	670	U	-	1400	U	-	670
HEXACHLOROBUTADIENE	UG/KG	35	0	670	U	-	1400	U	-	670
HEXACHLOROCYCLOPENTADIENE	UG/KG	35	0	670	U	-	1400	U	-	670
HEXACHLOROETHANE	UG/KG	35	1	140	J	08_RE2	140	J	08_RE2	670
INDENO(1,2,3-CD)PYRENE	UG/KG	35	1	150	J	08_ST1	150	J	08_ST1	670
ISOPHORONE	UG/KG	35	0	670	U	-	1400	U	-	670
N-NITROSODIPHENYLAMINE	UG/KG	35	0	670	U	-	1400	U	-	670
N-NITROSODIPROPYLAMINE	UG/KG	35	0	670	U	-	1400	U	-	670
NAPHTHALENE	UG/KG	35	0	670	U	-	1400	U	-	670
NITROBENZENE	UG/KG	35	0	670	U	-	1400	U	-	670
PENTACHLOROPHENOL	UG/KG	35	0	1600	U	-	3300	U	-	1600
PHENANTHRENE	UG/KG	35	0	670	U	-	1400	U	-	670
PHENOL	UG/KG	35	0	670	U	-	1400	U	-	670
PYRENE	UG/KG	35	2	160	J	08_RE3	230	J	08_RE2	670
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	35	8	3.36	U	-	122	D	08_PCB1	3.3
4,4'-DDE	UG/KG	35	5	3.36	U	-	44.3	J	08_PCB1	3.3
4,4'-DDT	UG/KG	35	15	0.67	J	08_PCB2	170		08_ST1	3.3
ALDRIN	UG/KG	35	0	1.71	U	-	176	U	-	1.7
ALPHA-CHLORDANE	UG/KG	35	7	1.71	U	-	453		08_RE2	1.7
BHC-ALPHA	UG/KG	35	2	0.29	J	08_ST3	3.57		08_RE1	1.7
BHC-BETA	UG/KG	35	0	1.71	U	-	176	U	-	1.7
BHC-DELTA	UG/KG	35	0	1.71	U	-	176	U	-	1.7
BHC-GAMMA(LINDANE)	UG/KG	35	0	1.71	U	-	176	U	-	1.7
DIELDRIN	UG/KG	35	12	3.36	U	-	836		08_RE2	3.3
ENDOSULFAN I	UG/KG	35	2	1.71	U	-	63.5	J	08_PCB3	1.7
ENDOSULFAN II	UG/KG	35	8	3.36	U	-	60	D	08_PCB1	3.3
ENDOSULFAN SULFATE	UG/KG	35	4	1.77	J	08_PCB2	12	J	08_PCB1	3.3
ENDRIN	UG/KG	35	2	0.3		08_RE1	216		08_RE1	3.3
ENDRIN ALDEHYDE	UG/KG	35	9	1.79	J	08_PCB3	292		08_RE2	3.3

Table C - 8b

Site 8: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
ENDRIN KETONE	UG/KG	35	4	1.58	J	08_PCB2	10.1	J	08_PCB1	3.3
GAMMA-CHLORDANE	UG/KG	35	9	0.73	J	08_PCB2	75.8		08_RE2	1.7
HEPTACHLOR	UG/KG	35	0	1.71	U	-	176	U	-	1.7
HEPTACHLOR EPOXIDE	UG/KG	35	0	1.71	U	-	176	U	-	1.7
METHOXYCHLOR	UG/KG	35	2	1.55	J	08_ST3	4.28	J	08_PCB1	17.1
PCB-1016	UG/KG	35	0	33.2	U	-	3420	U	-	33.3
PCB-1221	UG/KG	35	0	67.4	U	-	6950	U	-	67.6
PCB-1232	UG/KG	35	0	33.2	U	-	3420	U	-	33.3
PCB-1242	UG/KG	35	0	33.2	U	-	3420	U	-	33.3
PCB-1248	UG/KG	35	3	33.2	U	-	17800		08_RE2	33.3
PCB-1254	UG/KG	35	11	33.3	U	-	20400		08_RE2	33.3
PCB-1260	UG/KG	35	4	33.3	U	-	599	J	08_ST3	33.3
TOXAPHENE	UG/KG	35	0	171	U	-	17600	U	-	171
HERBICIDES										
2,4 DICHLOROPHENOXY ACETIC ACID	UG/KG	9	0	102	U	-	123	U	-	104
2,4,5-T	UG/KG	9	0	25.6	U	-	30.7	U	-	26
2,4,5-TP (SILVEX)	UG/KG	9	0	25.6	U	-	30.7	U	-	26
2,4-DB	UG/KG	9	0	51.1	U	-	61.3	U	-	51.9
DALAPON	UG/KG	9	0	51.1	U	-	61.3	U	-	51.9
DICAMBA	UG/KG	9	0	51.1	U	-	61.3	U	-	51.9
DICHLOROPROP	UG/KG	9	0	102	U	-	123	U	-	104
DINOSEB	UG/KG	9	0	25.6	U	-	30.7	U	-	26
MCPA	UG/KG	9	0	25600	U	-	30700	U	-	26000
MCPP	UG/KG	9	0	25600	U	-	30700	U	-	26000
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	37	24	12.7	U	-	1060		08_PCB1	625
TFH GASOLINE	MG/KG	37	16	0.05	U	-	2.26		08_GN2	0.051
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	37	19	20	U	-	7730		08_ST3	400

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 9b

Site 9: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	4	4	7310		09_PT2	11600		09_PT3	31
ANTIMONY	MG/KG	4	0	2.5	U	-	2.6	U	-	12.1
ARSENIC	MG/KG	4	4	2.1		09_PT3	4.7		09_PT2	0.7
BARIUM	MG/KG	4	4	160		09_PT2	2610		09_PT3	0.1
BERYLLIUM	MG/KG	4	0	0.32	U	-	0.53	U	-	0.37
CADMIUM	MG/KG	4	4	1.1		09_PT2	1.7		09_PT3	1.2
CALCIUM	MG/KG	4	4	4520		09_PT2	5070		09_PT1	103
CHROMIUM	MG/KG	4	4	9.3		09_PT1	23		09_PT2	3.7
COBALT	MG/KG	4	4	5	b	09_PT1	6.1	b	09_PT3	5.8
COPPER	MG/KG	4	4	7		09_PT2	13.1		09_PT1	0.9
IRON	MG/KG	4	4	11000		09_PT2	15600		09_PT3	2.3
LEAD	MG/KG	4	4	14.1		09_PT3	62.5		09_PT2	0.6
MAGNESIUM	MG/KG	4	4	3990		09_PT2	5950		09_PT3	14.3
MANGANESE	MG/KG	4	4	228		09_PT1	292		09_PT2	0.8
MERCURY	MG/KG	4	0	0.04	U	-	0.1	U	-	0.04
NICKEL	MG/KG	4	4	4.7	b	09_PT2	8.5		09_PT3	7.7
POTASSIUM	MG/KG	4	4	2850		09_PT2	4730		09_PT3	191
SELENIUM	MG/KG	4	2	0.1	U	-	0.3	b	09_PT2	0.5
SILVER	MG/KG	4	0	0.44	U	-	0.45	U	-	2.1
SODIUM	MG/KG	4	4	483	b	09_PT3	550	b	09_PT1	12.4
THALLIUM	MG/KG	4	2	0.15	U	-	0.25	b	09_PT1	0.7
VANADIUM	MG/KG	4	4	25.1		09_PT2	35.7		09_PT3	1.9
ZINC	MG/KG	4	4	35.8		09_PT2	57.9		09_PT3	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	4	2	6	J	09_PT1	9	J	09_PT2	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	4	0	10	U	-	11	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	4	0	10	U	-	11	U	-	10
1,1-DICHLOROETHANE	UG/KG	4	0	10	U	-	11	U	-	10
1,1-DICHLOROETHENE	UG/KG	4	0	10	U	-	11	U	-	10
1,2-DICHLOROETHANE	UG/KG	4	0	10	U	-	11	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	4	0	10	U	-	11	U	-	10
1,2-DICHLOROPROPANE	UG/KG	4	0	10	U	-	11	U	-	10

Table C - 9b

Site 9: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	4	3	2	J	09_PT1	3	J	09_PT3	10
2-HEXANONE	UG/KG	4	0	10	U	-	11	U	-	10
4-METHYL-2-PENTANONE	UG/KG	4	0	10	U	-	11	U	-	10
ACETONE	UG/KG	4	0	10	U	-	11	U	-	10
BENZENE	UG/KG	4	0	10	U	-	11	U	-	10
BROMODICHLOROMETHANE	UG/KG	4	0	10	U	-	11	U	-	10
BROMOFORM	UG/KG	4	0	10	U	-	11	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	4	0	10	U	-	11	U	-	10
CARBON DISULFIDE	UG/KG	4	0	10	U	-	11	U	-	10
CARBON TETRACHLORIDE	UG/KG	4	2	2	J	09_PT1	3	J	09_PT3	10
CHLOROBENZENE	UG/KG	4	0	10	U	-	11	U	-	10
CHLORODIBROMOMETHANE	UG/KG	4	0	10	U	-	11	U	-	10
CHLOROETHANE	UG/KG	4	0	10	U	-	11	U	-	10
CHLOROFORM	UG/KG	4	0	10	U	-	11	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	4	0	10	U	-	11	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	4	0	10	U	-	11	U	-	10
ETHYLBENZENE	UG/KG	4	0	10	U	-	11	U	-	10
METHYLENE CHLORIDE	UG/KG	4	0	11	U	-	16	U	-	10
STYRENE	UG/KG	4	0	10	U	-	11	U	-	10
TETRACHLOROETHENE	UG/KG	4	0	10	U	-	11	U	-	10
TOLUENE	UG/KG	4	1	2	J	09_PT3	2	J	09_PT3	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	4	0	10	U	-	11	U	-	10
TRICHLOROETHYLENE	UG/KG	4	0	10	U	-	11	U	-	10
VINYL CHLORIDE	UG/KG	4	0	10	U	-	11	U	-	10
XYLENE (TOTAL)	UG/KG	4	0	10	U	-	11	U	-	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	4	0	680	U	-	700	U	-	690
1,2-DICHLOROBENZENE	UG/KG	4	0	680	U	-	700	U	-	690
1,3-DICHLOROBENZENE	UG/KG	4	0	680	U	-	700	U	-	690
1,4-DICHLOROBENZENE	UG/KG	4	0	680	U	-	700	U	-	690
2,4,5-TRICHLOROPHENOL	UG/KG	4	0	1700	U	-	1700	U	-	1700
2,4,6-TRICHLOROPHENOL	UG/KG	4	0	680	U	-	700	U	-	690
2,4-DICHLOROPHENOL	UG/KG	4	0	680	U	-	700	U	-	690

Table C - 9b

Site 9: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DIMETHYLPHENOL	UG/KG	4	0	680	U	-	700	U	-	690
2,4-DINITROPHENOL	UG/KG	4	0	1700	U	-	1700	U	-	1700
2,4-DINITROTOLUENE	UG/KG	4	0	680	U	-	700	U	-	690
2,6-DINITROTOLUENE	UG/KG	4	0	680	U	-	700	U	-	690
2-CHLORONAPHTHALENE	UG/KG	4	0	680	U	-	700	U	-	690
2-CHLOROPHENOL	UG/KG	4	0	680	U	-	700	U	-	690
2-METHYLNAPHTHALENE	UG/KG	4	0	680	U	-	700	U	-	690
2-METHYLPHENOL	UG/KG	4	0	680	U	-	700	U	-	690
2-NITROANILINE	UG/KG	4	0	1700	U	-	1700	U	-	1700
2-NITROPHENOL	UG/KG	4	0	680	U	-	700	U	-	690
3,3'-DICHLOROBENZIDINE	UG/KG	4	0	680	U	-	700	U	-	690
3-NITROANILINE	UG/KG	4	0	1700	U	-	1700	U	-	1700
4,6-DINITRO-2-METHYLPHENOL	UG/KG	4	0	1700	U	-	1700	U	-	1700
4-BROMOPHENYL PHENYL ETHER	UG/KG	4	0	680	U	-	700	U	-	690
4-CHLORO-3-METHYLPHENOL	UG/KG	4	0	680	U	-	700	U	-	690
4-CHLOROANILINE	UG/KG	4	0	680	U	-	700	U	-	690
4-CHLOROPHENYL PHENYL ETHER	UG/KG	4	0	680	U	-	700	U	-	690
4-METHYLPHENOL	UG/KG	4	0	680	U	-	700	U	-	690
4-NITROANILINE	UG/KG	4	0	1700	U	-	1700	U	-	1700
4-NITROPHENOL	UG/KG	4	0	1700	U	-	1700	U	-	1700
ACENAPHTHENE	UG/KG	4	0	680	U	-	700	U	-	690
ACENAPHTHYLENE	UG/KG	4	0	680	U	-	700	U	-	690
ANTHRACENE	UG/KG	4	0	680	U	-	700	U	-	690
BENZO(A)ANTHRACENE	UG/KG	4	0	680	U	-	700	U	-	690
BENZO(A)PYRENE	UG/KG	4	0	680	U	-	700	U	-	690
BENZO(B)FLUORANTHENE	UG/KG	4	0	680	U	-	700	U	-	690
BENZO(GHI)PERYLENE	UG/KG	4	0	680	U	-	700	U	-	690
BENZO(K)FLUORANTHENE	UG/KG	4	0	680	U	-	700	U	-	690
BENZYL BUTYL PHTHALATE	UG/KG	4	0	680	U	-	700	U	-	690
BIS(2-CHLOROETHOXY) METHANE	UG/KG	4	0	680	U	-	700	U	-	690
BIS(2-CHLOROETHYL)ETHER	UG/KG	4	0	680	U	-	700	U	-	690
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	4	0	680	U	-	700	U	-	690
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	4	0	680	U	-	700	U	-	690

Table C - 9b

Site 9: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
CARBAZOLE	UG/KG	4	0	680	U	-	700	U	-	690
CHRYSENE	UG/KG	4	0	680	U	-	700	U	-	690
DI-N-BUTYL PHTHALATE	UG/KG	4	0	680	U	-	700	U	-	690
DI-N-OCTYL PHTHALATE	UG/KG	4	0	680	U	-	700	U	-	690
DIBENZO(A,H)ANTHRACENE	UG/KG	4	0	680	U	-	700	U	-	690
DIBENZOFURAN	UG/KG	4	0	680	U	-	700	U	-	690
DIETHYL PHTHALATE	UG/KG	4	0	680	U	-	700	U	-	690
DIMETHYL PHTHALATE	UG/KG	4	1	360	J	09_PT2	360	J	09_PT2	690
FLUORANTHENE	UG/KG	4	0	680	U	-	700	U	-	690
FLUORENE	UG/KG	4	0	680	U	-	700	U	-	690
HEXACHLOROBENZENE	UG/KG	4	0	680	U	-	700	U	-	690
HEXACHLOROBUTADIENE	UG/KG	4	0	680	U	-	700	U	-	690
HEXACHLOROCYCLOPENTADIENE	UG/KG	4	0	680	U	-	700	U	-	690
HEXACHLOROETHANE	UG/KG	4	0	680	U	-	700	U	-	690
INDENO(1,2,3-CD)PYRENE	UG/KG	4	0	680	U	-	700	U	-	690
ISOPHORONE	UG/KG	4	0	680	U	-	700	U	-	690
N-NITROSODIPHENYLAMINE	UG/KG	4	0	680	U	-	700	U	-	690
N-NITROSODIPROPYLAMINE	UG/KG	4	0	680	U	-	700	U	-	690
NAPHTHALENE	UG/KG	4	0	680	U	-	700	U	-	690
NITROBENZENE	UG/KG	4	0	680	U	-	700	U	-	690
PENTACHLOROPHENOL	UG/KG	4	0	1700	U	-	1700	U	-	1700
PHENANTHRENE	UG/KG	4	0	680	U	-	700	U	-	690
PHENOL	UG/KG	4	0	680	U	-	700	U	-	690
PYRENE	UG/KG	4	0	680	U	-	700	U	-	690
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	4	3	12.9	U	-	51.1		09_PT1	12.9
TFH GASOLINE	MG/KG	4	4	0.11		09_PT1	0.89		09_PT2	0.052
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	4	4	65		09_PT3	259		09_PT2	0

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 10b

Site 10: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	17	17	4650		10_GN6	23400		10_GN1	7.5
ANTIMONY	MG/KG	17	0	2.6	U	-	3	U	-	2.8
ARSENIC	MG/KG	17	17	1.1	b	10_GN6	5	J	10_GN1	0.7
BARIUM	MG/KG	17	17	63.3		10_GN6	237		10_GN1	0.02
BERYLLIUM	MG/KG	17	14	0.11	U	-	0.89	b	10_GN1	0.12
CADMIUM	MG/KG	17	17	0.44	b	10_GN2	2.3		10_GN5	0.29
CALCIUM	MG/KG	17	17	1950		10_GN6	13000		10_GN2	25
CHROMIUM	MG/KG	17	17	4.6		10_GN6	20.4		10_GN1	0.9
COBALT	MG/KG	17	17	2.2	b	10_GN6	10	b	10_GN1	1.4
COPPER	MG/KG	17	17	3.2	b	10_GN6	15.8		10_GN1	0.22
IRON	MG/KG	17	17	7030		10_GN6	27200		10_GN1	0.56
LEAD	MG/KG	17	17	0.04		10_GN3	19.2		10_GN1	0.6
MAGNESIUM	MG/KG	17	17	2540		10_GN6	12400		10_GN1	3.5
MANGANESE	MG/KG	17	17	122		10_GN2	358		10_GN1	0.19
MERCURY	MG/KG	17	1	0.03	U	-	0.06	b	10_GN3	0.1
NICKEL	MG/KG	17	17	3.5	b	10_GN2	15		10_GN5	1.8
POTASSIUM	MG/KG	17	17	1920		10_GN2	7540		10_GN1	46.4
SELENIUM	MG/KG	17	3	0.11	U	-	0.17	b	10_GN3	0.5
SILVER	MG/KG	17	3	0.44	U	-	0.84	J	10_GN3	0.51
SODIUM	MG/KG	17	17	171	b	10_GN6	962	b	10_GN1	2.9
THALLIUM	MG/KG	17	9	0.15	U	-	0.4	b	10_GN3	0.7
VANADIUM	MG/KG	17	17	16.5		10_GN6	63.7		10_GN1	0.44
ZINC	MG/KG	17	17	22.6		10_GN6	79.8		10_GN1	0.51
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	17	0	11	U	-	12	U	-	11
1,1,2,2-TETRACHLOROETHANE	UG/KG	17	0	11	U	-	12	U	-	11
1,1,2-TRICHLOROETHANE	UG/KG	17	0	11	U	-	12	U	-	11
1,1-DICHLOROETHANE	UG/KG	17	0	11	U	-	12	U	-	11
1,1-DICHLOROETHENE	UG/KG	17	0	11	U	-	12	U	-	11
1,2-DICHLOROETHANE	UG/KG	17	0	11	U	-	12	U	-	11
1,2-DICHLOROETHENE (TOTAL)	UG/KG	17	1	6	J	10_GN5	6	J	10_GN5	11
1,2-DICHLOROPROPANE	UG/KG	17	0	11	U	-	12	U	-	11

Table C - 10b

Site 10: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	17	0	11	U	-	12	U	-	11
2-HEXANONE	UG/KG	17	0	11	U	-	12	U	-	11
4-METHYL-2-PENTANONE	UG/KG	17	0	11	U	-	12	U	-	11
ACETONE	UG/KG	17	1	11	U	-	130	B	10_GN4	11
BENZENE	UG/KG	17	0	11	U	-	12	U	-	11
BROMODICHLOROMETHANE	UG/KG	17	0	11	U	-	12	U	-	11
BROMOFORM	UG/KG	17	0	11	U	-	12	U	-	11
BROMOMETHANE (METHYL BROMIDE)	UG/KG	17	0	11	U	-	12	U	-	11
CARBON DISULFIDE	UG/KG	17	0	11	U	-	12	U	-	11
CARBON TETRACHLORIDE	UG/KG	17	0	11	U	-	12	U	-	11
CHLOROBENZENE	UG/KG	17	0	11	U	-	12	U	-	11
CHLORODIBROMOMETHANE	UG/KG	17	0	11	U	-	12	U	-	11
CHLOROETHANE	UG/KG	17	0	11	U	-	12	U	-	11
CHLOROFORM	UG/KG	17	0	11	U	-	12	U	-	11
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	17	0	11	U	-	12	U	-	11
CIS-1,3-DICHLOROPROPENE	UG/KG	17	0	11	U	-	12	U	-	11
ETHYLBENZENE	UG/KG	17	0	11	U	-	12	U	-	11
METHYLENE CHLORIDE	UG/KG	17	0	11	U	-	49	U	-	11
STYRENE	UG/KG	17	0	11	U	-	12	U	-	11
TETRACHLOROETHENE	UG/KG	17	2	6	J	10_GN5	19		10_GN5	11
TOLUENE	UG/KG	17	8	3	J	10_GN3	18		10_GN4	11
TRANS-1,3-DICHLOROPROPENE	UG/KG	17	0	11	U	-	12	U	-	11
TRICHLOROETHYLENE	UG/KG	17	0	11	U	-	12	U	-	11
VINYL CHLORIDE	UG/KG	17	0	11	U	-	12	U	-	11
XYLENE (TOTAL)	UG/KG	17	0	11	U	-	12	U	-	11
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	17	0	700	U	-	820	U	-	730
1,2-DICHLOROBENZENE	UG/KG	17	0	700	U	-	820	U	-	730
1,3-DICHLOROBENZENE	UG/KG	17	0	700	U	-	820	U	-	730
1,4-DICHLOROBENZENE	UG/KG	17	0	700	U	-	820	U	-	730
2,4,5-TRICHLOROPHENOL	UG/KG	17	0	1700	U	-	2000	U	-	1800
2,4,6-TRICHLOROPHENOL	UG/KG	17	0	700	U	-	820	U	-	730
2,4-DICHLOROPHENOL	UG/KG	17	0	700	U	-	820	U	-	730

Table C - 10b

Site 10: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DIMETHYLPHENOL	UG/KG	17	0	700	U	-	820	U	-	730
2,4-DINITROPHENOL	UG/KG	17	0	1700	U	-	2000	U	-	1800
2,4-DINITROTOLUENE	UG/KG	17	0	700	U	-	820	U	-	730
2,6-DINITROTOLUENE	UG/KG	17	0	700	U	-	820	U	-	730
2-CHLORONAPHTHALENE	UG/KG	17	0	700	U	-	820	U	-	730
2-CHLOROPHENOL	UG/KG	17	0	700	U	-	820	U	-	730
2-METHYLNAPHTHALENE	UG/KG	17	0	700	U	-	820	U	-	730
2-METHYLPHENOL	UG/KG	17	0	700	U	-	820	U	-	730
2-NITROANILINE	UG/KG	17	0	1700	U	-	2000	U	-	1800
2-NITROPHENOL	UG/KG	17	0	700	U	-	820	U	-	730
3,3'-DICHLOROBENZIDINE	UG/KG	17	0	700	U	-	820	U	-	730
3-NITROANILINE	UG/KG	17	0	1700	U	-	2000	U	-	1800
4,6-DINITRO-2-METHYLPHENOL	UG/KG	17	0	1700	U	-	2000	U	-	1800
4-BROMOPHENYL PHENYL ETHER	UG/KG	17	0	700	U	-	820	U	-	730
4-CHLORO-3-METHYLPHENOL	UG/KG	17	0	700	U	-	820	U	-	730
4-CHLOROANILINE	UG/KG	17	0	700	U	-	820	U	-	730
4-CHLOROPHENYL PHENYL ETHER	UG/KG	17	0	700	U	-	820	U	-	730
4-METHYLPHENOL	UG/KG	17	0	700	U	-	820	U	-	730
4-NITROANILINE	UG/KG	17	0	1700	U	-	2000	U	-	1800
4-NITROPHENOL	UG/KG	17	0	1700	U	-	2000	U	-	1800
ACENAPHTHENE	UG/KG	17	0	700	U	-	820	U	-	730
ACENAPHTHYLENE	UG/KG	17	0	700	U	-	820	U	-	730
ANTHRACENE	UG/KG	17	0	700	U	-	820	U	-	730
BENZO(A)ANTHRACENE	UG/KG	17	1	350	J	10_GN1	350	J	10_GN1	730
BENZO(A)PYRENE	UG/KG	17	1	380	J	10_GN1	380	J	10_GN1	730
BENZO(B)FLUORANTHENE	UG/KG	17	1	370	J	10_GN1	370	J	10_GN1	730
BENZO(GHI)PERYLENE	UG/KG	17	1	220	J	10_GN1	220	J	10_GN1	730
BENZO(K)FLUORANTHENE	UG/KG	17	1	230	J	10_GN1	230	J	10_GN1	730
BENZYL BUTYL PHTHALATE	UG/KG	17	0	700	U	-	820	U	-	730
BIS(2-CHLOROETHOXY) METHANE	UG/KG	17	0	700	U	-	820	U	-	730
BIS(2-CHLOROETHYL)ETHER	UG/KG	17	0	700	U	-	820	U	-	730
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	17	0	700	U	-	820	U	-	730
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	17	1	280	J	10_GN1	280	J	10_GN1	730

Table C - 10b

Site 10: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
CARBAZOLE	UG/KG	17	0	700	U	-	820	U	-	730
CHRYSENE	UG/KG	17	1	460	J	10_GN1	460	J	10_GN1	730
DI-N-BUTYL PHTHALATE	UG/KG	17	0	700	U	-	820	U	-	730
DI-N-OCTYL PHTHALATE	UG/KG	17	0	700	U	-	820	U	-	730
DIBENZO(A,H)ANTHRACENE	UG/KG	17	0	700	U	-	820	U	-	730
DIBENZOFURAN	UG/KG	17	0	700	U	-	820	U	-	730
DIETHYL PHTHALATE	UG/KG	17	1	240	J	10_GN2	240	J	10_GN2	730
DIMETHYL PHTHALATE	UG/KG	17	0	700	U	-	820	U	-	730
FLUORANTHENE	UG/KG	17	1	700	U	-	770		10_GN1	730
FLUORENE	UG/KG	17	0	700	U	-	820	U	-	730
HEXACHLOROBENZENE	UG/KG	17	0	700	U	-	820	U	-	730
HEXACHLOROBUTADIENE	UG/KG	17	0	700	U	-	820	U	-	730
HEXACHLOROCYCLOPENTADIENE	UG/KG	17	0	700	U	-	820	U	-	730
HEXACHLOROETHANE	UG/KG	17	0	700	U	-	820	U	-	730
INDENO(1,2,3-CD)PYRENE	UG/KG	17	1	290	J	10_GN1	290	J	10_GN1	730
ISOPHORONE	UG/KG	17	0	700	U	-	820	U	-	730
N-NITROSODIPHENYLAMINE	UG/KG	17	0	700	U	-	820	U	-	730
N-NITROSODIPROPYLAMINE	UG/KG	17	0	700	U	-	820	U	-	730
NAPHTHALENE	UG/KG	17	0	700	U	-	820	U	-	730
NITROBENZENE	UG/KG	17	0	700	U	-	820	U	-	730
PENTACHLOROPHENOL	UG/KG	17	0	1700	U	-	2000	U	-	1800
PHENANTHRENE	UG/KG	17	1	340	J	10_GN1	340	J	10_GN1	730
PHENOL	UG/KG	17	0	700	U	-	820	U	-	730
PYRENE	UG/KG	17	1	700	U	-	780		10_GN1	730
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	17	0	3.49	U	-	18.9	U	-	18.2
4,4'-DDE	UG/KG	17	0	3.49	U	-	18.9	U	-	18.2
4,4'-DDT	UG/KG	17	0	3.49	U	-	18.9	U	-	18.2
ALDRIN	UG/KG	17	0	1.8	U	-	9.75	U	-	9.4
ALPHA-CHLORDANE	UG/KG	17	0	1.8	U	-	9.75	U	-	9.4
BHC-ALPHA	UG/KG	17	0	1.8	U	-	9.75	U	-	9.4
BHC-BETA	UG/KG	17	0	1.8	U	-	9.75	U	-	9.4
BHC-DELTA	UG/KG	17	0	1.8	U	-	9.75	U	-	9.4

Table C - 10b

Site 10: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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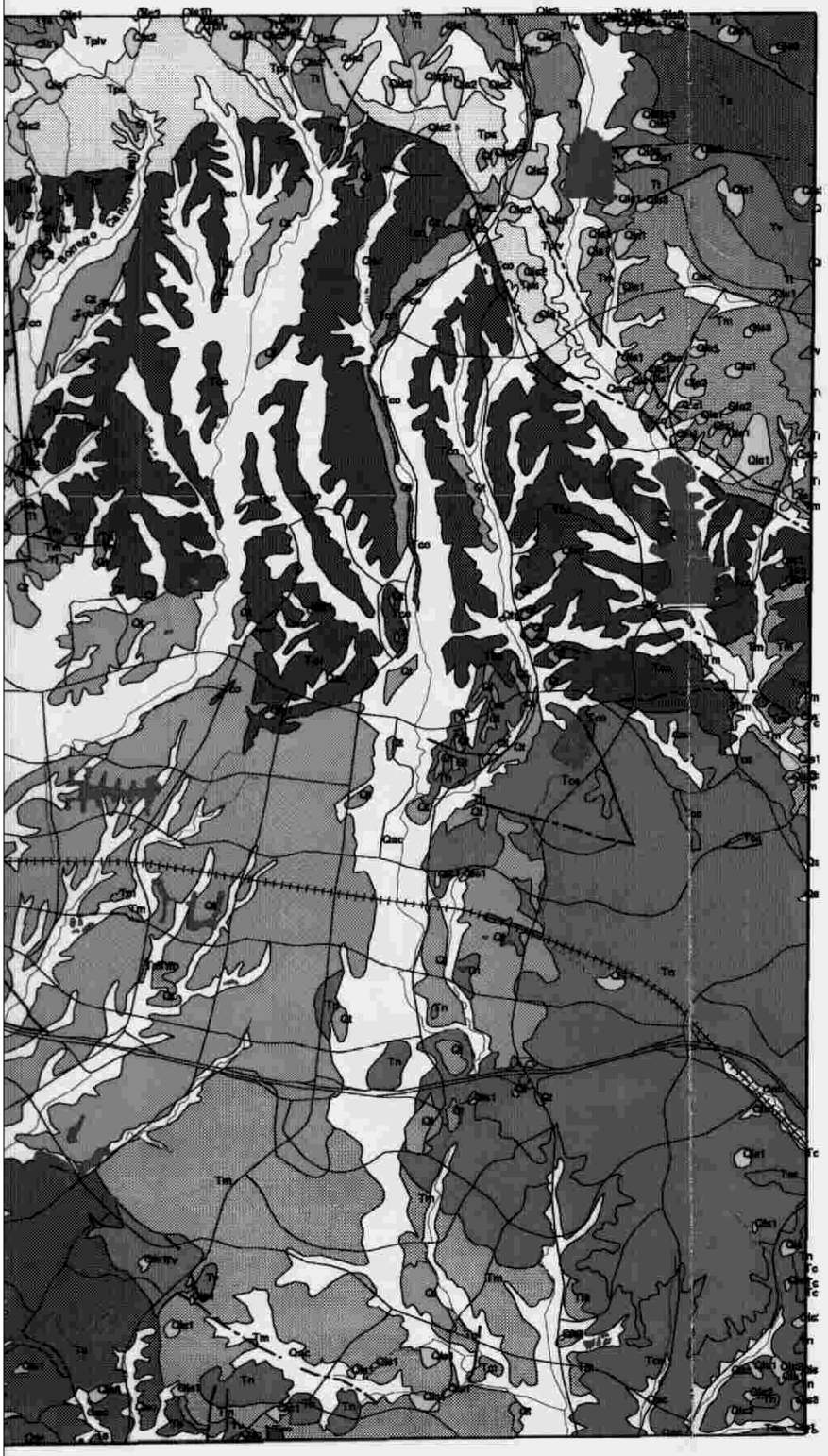
ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BHC-GAMMA(LINDANE)	UG/KG	17	0	1.8	U	-	9.75	U	-	9.4
DECACHLOROBIPHENYL	%	2	2	56.1		10_GN2	96.3		10_GN1	0
DECACHLOROBIPHENYL	UG/KG	1	0	0	U	-	0	U	-	0
DIELDRIN	UG/KG	17	0	3.49	U	-	18.9	U	-	18.2
ENDOSULFAN I	UG/KG	17	0	1.8	U	-	9.75	U	-	9.4
ENDOSULFAN II	UG/KG	17	0	3.49	U	-	18.9	U	-	18.2
ENDOSULFAN SULFATE	UG/KG	17	0	3.49	U	-	18.9	U	-	18.2
ENDRIN	UG/KG	17	0	3.49	U	-	18.9	U	-	18.2
ENDRIN ALDEHYDE	UG/KG	17	0	3.49	U	-	18.9	U	-	18.2
ENDRIN KETONE	UG/KG	17	0	3.49	U	-	18.9	U	-	18.2
GAMMA-CHLORDANE	UG/KG	17	0	1.8	U	-	9.75	U	-	9.4
HEPTACHLOR	UG/KG	17	0	1.8	U	-	9.75	U	-	9.4
HEPTACHLOR EPOXIDE	UG/KG	17	0	1.8	U	-	9.75	U	-	9.4
METHOXYCHLOR	UG/KG	17	0	18	U	-	97.5	U	-	93.7
PCB-1016	UG/KG	17	0	34.9	U	-	189	U	-	182
PCB-1221	UG/KG	17	0	70.9	U	-	384	U	-	369
PCB-1232	UG/KG	17	0	34.9	U	-	189	U	-	182
PCB-1242	UG/KG	17	0	34.9	U	-	189	U	-	182
PCB-1248	UG/KG	17	0	34.9	U	-	189	U	-	182
PCB-1254	UG/KG	14	0	34.9	U	-	189	U	-	182
PCB-1260	UG/KG	17	0	34.9	U	-	189	U	-	182
POLYCHLORINATED BIPHENYLS	UG/KG	3	0	178	U	-	186	U	-	186
TETRACHLORO-M-XYLENE	%	2	2	61.5		10_GN1	66.6		10_GN2	0
TETRACHLORO-M-XYLENE	UG/KG	1	0	0	U	-	0	U	-	0
TOXAPHENE	UG/KG	17	0	180	U	-	975	U	-	937
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	17	4	13.2	U	-	38.3		10_GN2	13.8
TFH GASOLINE	MG/KG	17	4	0.05	U	-	0.12		10_GN2	0.0552
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	17	5	20	U	-	532		10_GN4	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Marshburn Chenega
Bias Canyon Wash
Nyala Chenega Wash
Qsc
Kw
Tvs
Tv
Td
Tl
Qt
Qtm



FEATURES:

- QAC - ALLUVIUM AND COLLUVIUM
- QLS - BEDROCK LANDSLIDE
- QT - NONMARINE TERRACE DEPOSIT
- QTM - MARINE TERRACE DEPOSIT
- TN - NIGUEL FORMATION
- TCO - CAPISTRANO FORMATION OSO MEMBER
- TPS - PUENTE FORMATION SOQUEL MEMBER
- TPLV - PUENTE FORMATION LA VIDA MEMBER
- TM - MONTEREY FORMATION
- TSO - SAN ONOFRE BRECCIA
- TD - DIABASE
- TT - TOPANGA FORMATION
- TV - VAQUEROS FORMATION
- TVS - VAQUEROS/SESPE FORMATION
- TS - SESPE FORMATION
- TSA - SANTIAGO FORMATION
- TSI - SILVERADO FORMATION
- KW - WILLIAMS FORMATION
- LAKE OR RESERVOIR
- FAULT
- STREAM
- ROAD
- RAILROAD
- AIRFIELD

N

0 2500 5000 10000

SCALE IN FEET

FIGURE 1-6

REGIONAL GEOLOGY

MCAS EL TORO PHASE I RI
TECHNICAL MEMORANDUM

Table C - 11b

Site 11: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	17	3	3.59	U	-	137		11_DD3	38.3
4,4'-DDE	UG/KG	17	1	3.59	U	-	3.76		11_GN2	38.3
4,4'-DDT	UG/KG	17	2	3.59	U	-	105		11_GN1	38.3
ALDRIN	UG/KG	17	0	1.85	U	-	20.9	U	-	19.7
ALPHA-CHLORDANE	UG/KG	17	0	1.85	U	-	20.9	U	-	19.7
BHC-ALPHA	UG/KG	17	0	1.85	U	-	20.9	U	-	19.7
BHC-BETA	UG/KG	17	0	1.85	U	-	20.9	U	-	19.7
BHC-DELTA	UG/KG	17	0	1.85	U	-	20.9	U	-	19.7
BHC-GAMMA(LINDANE)	UG/KG	17	0	1.85	U	-	20.9	U	-	19.7
DIELDRIN	UG/KG	17	0	3.59	U	-	40.6	U	-	38.3
ENDOSULFAN I	UG/KG	17	0	1.85	U	-	20.9	U	-	19.7
ENDOSULFAN II	UG/KG	17	4	3.59	U	-	134		11_GN1	38.3
ENDOSULFAN SULFATE	UG/KG	17	0	3.59	U	-	40.6	U	-	38.3
ENDRIN	UG/KG	17	1	3.59	U	-	24.9		11_DD1	38.3
ENDRIN ALDEHYDE	UG/KG	17	4	3.59	U	-	145		11_DD1	38.3
ENDRIN KETONE	UG/KG	17	0	3.59	U	-	40.6	U	-	38.3
GAMMA-CHLORDANE	UG/KG	17	0	1.85	U	-	20.9	U	-	19.7
HEPTACHLOR	UG/KG	17	0	1.85	U	-	20.9	U	-	19.7
HEPTACHLOR EPOXIDE	UG/KG	17	0	1.85	U	-	20.9	U	-	19.7
METHOXYCHLOR	UG/KG	17	0	18.5	U	-	209	U	-	197
PCB-1016	UG/KG	17	0	35.9	U	-	406	U	-	383
PCB-1221	UG/KG	17	0	72.9	U	-	824	U	-	778
PCB-1232	UG/KG	17	0	35.9	U	-	406	U	-	383
PCB-1242	UG/KG	17	0	35.9	U	-	406	U	-	383
PCB-1248	UG/KG	17	0	35.9	U	-	406	U	-	383
PCB-1254	UG/KG	17	0	35.9	U	-	406	U	-	383
PCB-1260	UG/KG	17	5	35.9	U	-	4960		11_GN1	383
TOXAPHENE	UG/KG	17	0	185	U	-	2090	U	-	1970

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 12b

Site 12: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
CYANIDE	MG/KG	23	6	0.15	U	-	1		12_2SL3	3
METALS										
ALUMINUM	MG/KG	32	32	2460		12_DDX	28200		12_DD2	31
ANTIMONY	MG/KG	32	0	2.4	U	-	3.2	U	-	12.1
ARSENIC	MG/KG	32	32	0.6	b	12_DDX	14.3		12_2SL3	0.7
BARIUM	MG/KG	31	31	50.9		12_DDX	355		12_CBBE	0.1
BERYLLIUM	MG/KG	32	10	0.1	U	-	1.7		12_DDX	0.5
CADMIUM	MG/KG	32	32	0.64	b	12_DD1	7.2		12_1SL2	1.2
CALCIUM	MG/KG	32	32	2220		12_DD3	15500		12_DD2	103
CHROMIUM	MG/KG	32	32	6.2		12_UGS	35.7		12_DD1	3.7
COBALT	MG/KG	32	32	2	b	12_DD3	11.7	b	12_DD2	5.8
COPPER	MG/KG	32	32	5.6		12_DD3	45.4		12_1SL2	0.9
IRON	MG/KG	31	31	3470		12_DDX	32200		12_DD2	2.3
LEAD	MG/KG	32	32	0.01		12_1SL1	531		12_DD1	0.6
MAGNESIUM	MG/KG	32	32	1310		12_DDX	17500		12_DD2	14.3
MANGANESE	MG/KG	32	32	57.6		12_DDX	455		12_DD2	0.8
MERCURY	MG/KG	32	11	0.03	U	-	1.3		12_CBBE	0.1
NICKEL	MG/KG	32	32	4.1	b	12_DD3	84.2		12_DDX	7.7
POTASSIUM	MG/KG	32	32	1190		12_DDX	7970		12_DD2	191
SELENIUM	MG/KG	32	6	0.1	U	-	0.33	b	12_2SL2	0.5
SILVER	MG/KG	32	14	0.43	U	-	7.4		12_1SL2	2.1
SODIUM	MG/KG	31	30	161	U	-	414	b	12_DD2	161
THALLIUM	MG/KG	32	19	0.14	U	-	0.38	b	12_DD2	0.7
VANADIUM	MG/KG	32	32	14.9		12_DD3	800		12_DDX	1.9
ZINC	MG/KG	31	31	33		12_1SL1	418		12_DD1	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	30	0	10	U	-	12	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	30	0	10	U	-	12	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	30	0	10	U	-	12	U	-	10
1,1-DICHLOROETHANE	UG/KG	30	0	10	U	-	12	U	-	10
1,1-DICHLOROETHENE	UG/KG	30	0	10	U	-	12	U	-	10
1,2-DICHLOROETHANE	UG/KG	30	0	10	U	-	12	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	30	0	10	U	-	12	U	-	10
1,2-DICHLOROPROPANE	UG/KG	30	0	10	U	-	12	U	-	10
2-BUTANONE	UG/KG	30	1	10	U	-	79		12_1SL2	10
2-HEXANONE	UG/KG	30	0	10	U	-	12	U	-	10
4-METHYL-2-PENTANONE	UG/KG	30	0	10	U	-	12	U	-	10

Table C - 12b

Site 12: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
ACETONE	UG/KG	30	15	7	J	12_DD1	35		12_DD3	10
BENZENE	UG/KG	30	0	10	U	-	12	U	-	10
BROMODICHLOROMETHANE	UG/KG	30	0	10	U	-	12	U	-	10
BROMOFORM	UG/KG	30	0	10	U	-	12	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	30	0	10	U	-	12	U	-	10
CARBON DISULFIDE	UG/KG	30	1	2	J	12_DD1	2	J	12_DD1	10
CARBON TETRACHLORIDE	UG/KG	30	5	5	J	12_1SL2	11		12_DD2	10
CHLOROBENZENE	UG/KG	30	0	10	U	-	12	U	-	10
CHLORODIBROMOMETHANE	UG/KG	30	0	10	U	-	12	U	-	10
CHLOROETHANE	UG/KG	30	0	10	U	-	12	U	-	10
CHLOROFORM	UG/KG	30	0	10	U	-	12	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	30	0	10	U	-	12	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	30	0	10	U	-	12	U	-	10
ETHYLBENZENE	UG/KG	30	0	10	U	-	12	U	-	10
METHYLENE CHLORIDE	UG/KG	30	2	10	U	-	35	B	12_CBBE	10
STYRENE	UG/KG	30	0	10	U	-	12	U	-	10
TETRACHLOROETHENE	UG/KG	30	0	10	U	-	12	U	-	10
TOLUENE	UG/KG	30	14	2	J	12_1SL1	10	J	12_1SL2	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	30	0	10	U	-	12	U	-	10
TRICHLOROETHYLENE	UG/KG	30	0	10	U	-	12	U	-	10
VINYL CHLORIDE	UG/KG	30	0	10	U	-	12	U	-	10
XYLENE (TOTAL)	UG/KG	30	1	2	J	12_DDX	2	J	12_DDX	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	30	0	660	U	-	20000	U	-	670
1,2-DICHLOROBENZENE	UG/KG	30	0	660	U	-	20000	U	-	670
1,3-DICHLOROBENZENE	UG/KG	30	0	660	U	-	20000	U	-	670
1,4-DICHLOROBENZENE	UG/KG	30	0	660	U	-	20000	U	-	670
2,4,5-TRICHLOROPHENOL	UG/KG	30	0	1600	U	-	49000	U	-	1600
2,4,6-TRICHLOROPHENOL	UG/KG	30	0	660	U	-	20000	U	-	670
2,4-DICHLOROPHENOL	UG/KG	30	0	660	U	-	20000	U	-	670
2,4-DIMETHYLPHENOL	UG/KG	30	0	660	U	-	20000	U	-	670
2,4-DINITROPHENOL	UG/KG	30	0	1600	U	-	49000	U	-	1600
2,4-DINITROTOLUENE	UG/KG	30	0	660	U	-	20000	U	-	670
2,6-DINITROTOLUENE	UG/KG	30	0	660	U	-	20000	U	-	670
2-CHLORONAPHTHALENE	UG/KG	30	0	660	U	-	20000	U	-	670
2-CHLOROPHENOL	UG/KG	30	0	660	U	-	20000	U	-	670
2-METHYLNAPHTHALENE	UG/KG	30	0	660	U	-	20000	U	-	670
2-METHYLPHENOL	UG/KG	30	0	660	U	-	20000	U	-	670

Table C - 12b

Site 12: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-NITROANILINE	UG/KG	30	0	1600	U	-	49000	U	-	1600
2-NITROPHENOL	UG/KG	30	0	660	U	-	20000	U	-	670
3,3'-DICHLOROBENZIDINE	UG/KG	30	0	660	U	-	20000	U	-	670
3-NITROANILINE	UG/KG	30	0	1600	U	-	49000	U	-	1600
4,6-DINITRO-2-METHYLPHENOL	UG/KG	30	0	1600	U	-	49000	U	-	1600
4-BROMOPHENYL PHENYL ETHER	UG/KG	30	0	660	U	-	20000	U	-	670
4-CHLORO-3-METHYLPHENOL	UG/KG	30	0	660	U	-	20000	U	-	670
4-CHLOROANILINE	UG/KG	30	0	660	U	-	20000	U	-	670
4-CHLOROPHENYL PHENYL ETHER	UG/KG	30	0	660	U	-	20000	U	-	670
4-METHYLPHENOL	UG/KG	30	0	660	U	-	20000	U	-	670
4-NITROANILINE	UG/KG	30	0	1600	U	-	49000	U	-	1600
4-NITROPHENOL	UG/KG	30	0	1600	U	-	49000	U	-	1600
ACENAPHTHENE	UG/KG	30	0	660	U	-	20000	U	-	670
ACENAPHTHYLENE	UG/KG	30	0	660	U	-	20000	U	-	670
ANTHRACENE	UG/KG	30	0	660	U	-	20000	U	-	670
BENZO(A)ANTHRACENE	UG/KG	30	1	660	U	-	690		12_DBS	670
BENZO(A)PYRENE	UG/KG	30	3	150	J	12_DD1	670		12_DBS	670
BENZO(B)FLUORANTHENE	UG/KG	30	2	660	U	-	930		12_DD3	670
BENZO(GHI)PERYLENE	UG/KG	30	1	340	J	12_DBS	340	J	12_DBS	670
BENZO(K)FLUORANTHENE	UG/KG	30	2	540	J	12_DBS	550	J	12_DD3	670
BENZYL BUTYL PHTHALATE	UG/KG	30	0	660	U	-	20000	U	-	670
BIS(2-CHLOROETHOXY) METHANE	UG/KG	30	0	660	U	-	20000	U	-	670
BIS(2-CHLOROETHYL)ETHER	UG/KG	30	0	660	U	-	20000	U	-	670
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	30	0	660	U	-	20000	U	-	670
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	30	5	160	J	12_2SL2	600	J	12_DD1	670
CARBAZOLE	UG/KG	30	0	660	U	-	20000	U	-	670
CHRYSENE	UG/KG	30	3	290	J	12_DD1	1000		12_DBS	670
DI-N-BUTYL PHTHALATE	UG/KG	30	0	660	U	-	20000	U	-	670
DI-N-OCTYL PHTHALATE	UG/KG	30	0	660	U	-	20000	U	-	670
DIBENZO(A,H)ANTHRACENE	UG/KG	30	1	130	J	12_DD3	130	J	12_DD3	670
DIBENZOFURAN	UG/KG	30	0	660	U	-	20000	U	-	670
DIETHYL PHTHALATE	UG/KG	30	0	660	U	-	20000	U	-	670
DIMETHYL PHTHALATE	UG/KG	30	0	660	U	-	20000	U	-	670
FLUORANTHENE	UG/KG	30	3	360	J	12_DD1	1700		12_DD3	670
FLUORENE	UG/KG	30	0	660	U	-	20000	U	-	670
HEXACHLOROBENZENE	UG/KG	30	0	660	U	-	20000	U	-	670
HEXACHLOROBUTADIENE	UG/KG	30	0	660	U	-	20000	U	-	670
HEXACHLOROCYCLOPENTADIENE	UG/KG	30	0	660	U	-	20000	U	-	670

Table C - 12b

Site 12: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
HEXACHLOROETHANE	UG/KG	30	0	660	U	-	20000	U	-	670
INDENO(1,2,3-CD)PYRENE	UG/KG	30	3	150	J	12_DD3	440	J	12_DBS	670
ISOPHORONE	UG/KG	30	0	660	U	-	20000	U	-	670
N-NITROSODIPHENYLAMINE	UG/KG	30	0	660	U	-	20000	U	-	670
N-NITROSODIPROPYLAMINE	UG/KG	30	0	660	U	-	20000	U	-	670
NAPHTHALENE	UG/KG	30	0	660	U	-	20000	U	-	670
NITROBENZENE	UG/KG	30	0	660	U	-	20000	U	-	670
PENTACHLOROPHENOL	UG/KG	30	0	1600	U	-	49000	U	-	1600
PHENANTHRENE	UG/KG	30	3	180	J	12_DD1	590	J	12_DD3	670
PHENOL	UG/KG	30	0	660	U	-	20000	U	-	670
PYRENE	UG/KG	30	3	340	J	12_DD1	1100		12_DBS	670
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	30	19	3.46	U	-	1190	J	12_DD1	3.3
4,4'-DDE	UG/KG	30	23	3.46	U	-	281	J	12_DD1	3.3
4,4'-DDT	UG/KG	30	23	3.46	U	-	3650	J	12_DD1	3.3
ALDRIN	UG/KG	30	0	1.71	U	-	52.1	U	-	1.7
ALPHA-CHLORDANE	UG/KG	30	7	1.71	U	-	78.5	J	12_DD1	1.7
BHC-ALPHA	UG/KG	30	0	1.71	U	-	52.1	U	-	1.7
BHC-BETA	UG/KG	30	0	1.71	U	-	52.1	U	-	1.7
BHC-DELTA	UG/KG	30	0	1.71	U	-	52.1	U	-	1.7
BHC-GAMMA(LINDANE)	UG/KG	30	0	1.71	U	-	52.1	U	-	1.7
DECACHLOROBIPHENYL	%	1	1	220.8		12_DBS	220.8		12_DBS	0
DIELDRIN	UG/KG	30	5	3.32	U	-	104	J	12_DD1	3.3
ENDOSULFAN I	UG/KG	30	0	1.71	U	-	52.1	U	-	1.7
ENDOSULFAN II	UG/KG	30	0	3.32	U	-	101	U	-	3.3
ENDOSULFAN SULFATE	UG/KG	30	1	0.47		12_CBBE	0.47		12_CBBE	3.3
ENDRIN	UG/KG	30	0	3.32	U	-	101	U	-	3.3
ENDRIN ALDEHYDE	UG/KG	29	2	3.32	U	-	85.6	J	12_DD1	101
ENDRIN KETONE	UG/KG	30	1	3.32	U	-	133		12_DDX	3.3
GAMMA-CHLORDANE	UG/KG	30	8	1.08	J	12_2SL2	93.1	J	12_DD1	1.7
HEPTACHLOR	UG/KG	30	0	1.71	U	-	52.1	U	-	1.7
HEPTACHLOR EPOXIDE	UG/KG	30	0	1.71	U	-	52.1	U	-	1.7
METHOXYCHLOR	UG/KG	30	1	17.1	U	-	175		12_DDX	17.2
PCB-1016	UG/KG	30	0	33.2	U	-	1010	U	-	33.4
PCB-1221	UG/KG	30	0	67.3	U	-	2050	U	-	67.8
PCB-1232	UG/KG	30	0	33.2	U	-	1010	U	-	33.4
PCB-1242	UG/KG	30	0	33.2	U	-	1010	U	-	33.4
PCB-1248	UG/KG	30	0	33.2	U	-	1010	U	-	33.4

Table C - 12b

Site 12: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
PCB-1254	UG/KG	29	7	0.63	J	12_DD1	2490	J	12_DD1	33.4
PCB-1260	UG/KG	30	0	33.2	U	-	1010	U	-	33.4
POLYCHLORINATED BIPHENYLS	UG/KG	1	0	168	U	-	168	U	-	168
TETRACHLORO-M-XYLENE	%	1	1	66.5		12_DBS	66.5		12_DBS	0
TOXAPHENE	UG/KG	30	0	171	U	-	5210	U	-	172
HERBICIDES										
2,4 DICHLOROPHENOXY ACETIC ACID	UG/KG	24	1	101	U	-	140		12_DD1	1020
2,4,5-T	UG/KG	24	0	25.4	U	-	255	U	-	255
2,4,5-TP (SILVEX)	UG/KG	24	0	25.4	U	-	255	U	-	255
2,4-DB	UG/KG	24	0	50.7	U	-	511	U	-	511
DALAPON	UG/KG	24	5	50.7	U	-	241	J	12_1SL2	511
DICAMBA	UG/KG	24	0	50.7	U	-	511	U	-	511
DICHLOROPROP	UG/KG	24	0	101	U	-	1020	U	-	1020
DINOSEB	UG/KG	24	0	25.4	U	-	255	U	-	255
MCPA	UG/KG	24	0	25400	U	-	255000	U	-	255000
MCPP	UG/KG	24	5	25400	U	-	153000		12_DD2	255000
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	32	10	12.5	U	-	1970		12_DDX	12.9
TFH GASOLINE	MG/KG	32	21	0.05	U	-	24.7		12_DDX	0.0506
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	32	17	20	U	-	42529		12_DDX	0

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 13b

Site 13: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	21	21	5690		13_25B211S	17600		13_GN2	31
ANTIMONY	MG/KG	21	1	2.5	U	-	3.7	b	13_GN2	12.1
ARSENIC	MG/KG	21	17	1.3	b	13_GN3	3.9		13_GN2	0.7
BARIUM	MG/KG	21	21	62.6		13_UGS	212		13_GN2	0.1
BERYLLIUM	MG/KG	21	21	0.18	b	13_SA3	0.63	b	13_SA3	0.5
CADMIUM	MG/KG	21	17	0.61	U	-	2		13_DBMW49S	1.2
CALCIUM	MG/KG	21	21	2440		13_25B211S	14800		13_GN2	103
CHROMIUM	MG/KG	21	21	7.3		13_GN1	18.3		13_UGS	3.7
COBALT	MG/KG	21	20	1.2	U	-	9	b	13_SA3	5.8
COPPER	MG/KG	21	16	5.7		13_GN1	14.8		13_UGS	0.9
IRON	MG/KG	21	21	7840		13_25B211S	20700		13_GN2	2.3
LEAD	MG/KG	21	21	1.8		13_GN2	250		13_SA3	0.6
MAGNESIUM	MG/KG	21	21	2930		13_25B211S	9730		13_GN2	14.3
MANGANESE	MG/KG	21	21	136		13_25B211S	323		13_SA3	0.8
MERCURY	MG/KG	21	4	0.03	U	-	0.55		13_SA2	0.1
NICKEL	MG/KG	21	20	3.6	b	13_25B211S	11.5		13_UGS	7.7
POTASSIUM	MG/KG	21	21	2420		13_DBMW49S	6130		13_GN2	191
SELENIUM	MG/KG	21	4	0.1	U	-	0.18	b	13_GN2	0.5
SILVER	MG/KG	21	3	0.33	U	-	0.63	b	13_SA3	2.1
SODIUM	MG/KG	21	17	172	b	13_25B211S	632	b	13_GN2	12.4
THALLIUM	MG/KG	21	11	0.14	U	-	0.29	b	13_GN3	0.7
VANADIUM	MG/KG	21	21	18.3		13_25B211S	50.7		13_SA3	1.9
ZINC	MG/KG	21	21	39		13_GN2	90.1		13_DBMW49S	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	19	0	10	U	-	12	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	19	0	10	U	-	12	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	19	0	10	U	-	12	U	-	10
1,1-DICHLOROETHANE	UG/KG	19	0	10	U	-	12	U	-	10
1,1-DICHLOROETHENE	UG/KG	19	0	10	U	-	12	U	-	10
1,2-DICHLOROETHANE	UG/KG	19	0	10	U	-	12	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	19	0	10	U	-	12	U	-	10
1,2-DICHLOROPROPANE	UG/KG	19	0	10	U	-	12	U	-	10

Table C - 13b

Site 13: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	19	0	10	U	-	12	U	-	10
2-HEXANONE	UG/KG	19	0	10	U	-	12	U	-	10
4-METHYL-2-PENTANONE	UG/KG	19	0	10	U	-	12	U	-	10
ACETONE	UG/KG	19	12	3	J	13_25B211S	43		13_GN3	10
BENZENE	UG/KG	19	0	10	U	-	12	U	-	10
BROMODICHLOROMETHANE	UG/KG	19	0	10	U	-	12	U	-	10
BROMOFORM	UG/KG	19	0	10	U	-	12	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	19	0	10	U	-	12	U	-	10
CARBON DISULFIDE	UG/KG	19	0	10	U	-	12	U	-	10
CARBON TETRACHLORIDE	UG/KG	19	0	10	U	-	12	U	-	10
CHLOROBENZENE	UG/KG	19	0	10	U	-	12	U	-	10
CHLORODIBROMOMETHANE	UG/KG	19	0	10	U	-	12	U	-	10
CHLOROETHANE	UG/KG	19	0	10	U	-	12	U	-	10
CHLOROFORM	UG/KG	19	0	10	U	-	12	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	19	0	10	U	-	12	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	19	0	10	U	-	12	U	-	10
ETHYLBENZENE	UG/KG	19	0	10	U	-	12	U	-	10
METHYLENE CHLORIDE	UG/KG	19	0	10	U	-	22	U	-	10
STYRENE	UG/KG	19	0	10	U	-	12	U	-	10
TETRACHLOROETHENE	UG/KG	19	0	10	U	-	12	U	-	10
TOLUENE	UG/KG	19	14	2	J	13_GN2	9	J	13_GN2	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	19	0	10	U	-	12	U	-	10
TRICHLOROETHYLENE	UG/KG	19	0	10	U	-	12	U	-	10
VINYL CHLORIDE	UG/KG	19	0	10	U	-	12	U	-	10
XYLENE (TOTAL)	UG/KG	19	0	10	U	-	12	U	-	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	19	0	670	U	-	20000	U	-	670
1,2-DICHLOROBENZENE	UG/KG	19	0	670	U	-	20000	U	-	670
1,3-DICHLOROBENZENE	UG/KG	19	0	670	U	-	20000	U	-	670
1,4-DICHLOROBENZENE	UG/KG	19	0	670	U	-	20000	U	-	670
2,4,5-TRICHLOROPHENOL	UG/KG	19	0	1600	U	-	49000	U	-	1600
2,4,6-TRICHLOROPHENOL	UG/KG	19	0	670	U	-	20000	U	-	670
2,4-DICHLOROPHENOL	UG/KG	19	0	670	U	-	20000	U	-	670

Table C - 13b

Site 13: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DIMETHYLPHENOL	UG/KG	19	0	670	U	-	20000	U	-	670
2,4-DINITROPHENOL	UG/KG	19	0	1600	U	-	49000	U	-	1600
2,4-DINITROTOLUENE	UG/KG	19	0	670	U	-	20000	U	-	670
2,6-DINITROTOLUENE	UG/KG	19	0	670	U	-	20000	U	-	670
2-CHLORONAPHTHALENE	UG/KG	19	0	670	U	-	20000	U	-	670
2-CHLOROPHENOL	UG/KG	19	0	670	U	-	20000	U	-	670
2-METHYLNAPHTHALENE	UG/KG	19	0	670	U	-	20000	U	-	670
2-METHYLPHENOL	UG/KG	19	0	670	U	-	20000	U	-	670
2-NITROANILINE	UG/KG	19	0	1600	U	-	49000	U	-	1600
2-NITROPHENOL	UG/KG	19	0	670	U	-	20000	U	-	670
3,3'-DICHLOROBENZIDINE	UG/KG	19	0	670	U	-	20000	U	-	670
3-NITROANILINE	UG/KG	19	0	1600	U	-	49000	U	-	1600
4,6-DINITRO-2-METHYLPHENOL	UG/KG	19	0	1600	U	-	49000	U	-	1600
4-BROMOPHENYL PHENYL ETHER	UG/KG	19	0	670	U	-	20000	U	-	670
4-CHLORO-3-METHYLPHENOL	UG/KG	19	0	670	U	-	20000	U	-	670
4-CHLOROANILINE	UG/KG	19	0	670	U	-	20000	U	-	670
4-CHLOROPHENYL PHENYL ETHER	UG/KG	19	0	670	U	-	20000	U	-	670
4-METHYLPHENOL	UG/KG	19	0	670	U	-	20000	U	-	670
4-NITROANILINE	UG/KG	19	0	1600	U	-	49000	U	-	1600
4-NITROPHENOL	UG/KG	19	0	1600	U	-	49000	U	-	1600
ACENAPHTHENE	UG/KG	19	0	670	U	-	20000	U	-	670
ACENAPHTHYLENE	UG/KG	19	0	670	U	-	20000	U	-	670
ANTHRACENE	UG/KG	19	0	670	U	-	20000	U	-	670
BENZO(A)ANTHRACENE	UG/KG	19	0	670	U	-	20000	U	-	670
BENZO(A)PYRENE	UG/KG	19	1	210	J	13_25B211S	210	J	13_25B211S	670
BENZO(B)FLUORANTHENE	UG/KG	19	3	140	J	13_GN3	260	J	13_25B211S	670
BENZO(GHI)PERYLENE	UG/KG	19	2	160	J	13_GN2	200	J	13_25B211S	670
BENZO(K)FLUORANTHENE	UG/KG	19	2	180	J	13_SA3	190	J	13_25B211S	670
BENZYL BUTYL PHTHALATE	UG/KG	19	1	160	J	13_GN1	160	J	13_GN1	670
BIS(2-CHLOROETHOXY) METHANE	UG/KG	19	0	670	U	-	20000	U	-	670
BIS(2-CHLOROETHYL)ETHER	UG/KG	19	0	670	U	-	20000	U	-	670
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	19	0	670	U	-	20000	U	-	670
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	19	2	150	J	13_SA3	270	J	13_GN1	670

Table C - 13b

Site 13: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
CARBAZOLE	UG/KG	19	0	670	U	-	20000	U	-	670
CHRYSENE	UG/KG	19	2	170	J	13_SA3	210	J	13_25B211S	670
DI-N-BUTYL PHTHALATE	UG/KG	19	0	670	U	-	20000	U	-	670
DI-N-OCTYL PHTHALATE	UG/KG	19	0	670	U	-	20000	U	-	670
DIBENZO(A,H)ANTHRACENE	UG/KG	19	0	670	U	-	20000	U	-	670
DIBENZOFURAN	UG/KG	19	0	670	U	-	20000	U	-	670
DIETHYL PHTHALATE	UG/KG	19	0	670	U	-	20000	U	-	670
DIMETHYL PHTHALATE	UG/KG	19	0	670	U	-	20000	U	-	670
FLUORANTHENE	UG/KG	19	2	300	J	13_SA3	330	J	13_25B211S	670
FLUORENE	UG/KG	19	0	670	U	-	20000	U	-	670
HEXACHLOROBENZENE	UG/KG	19	0	670	U	-	20000	U	-	670
HEXACHLOROBUTADIENE	UG/KG	19	0	670	U	-	20000	U	-	670
HEXACHLOROCYCLOPENTADIENE	UG/KG	19	0	670	U	-	20000	U	-	670
HEXACHLOROETHANE	UG/KG	19	0	670	U	-	20000	U	-	670
INDENO(1,2,3-CD)PYRENE	UG/KG	19	1	230	J	13_25B211S	230	J	13_25B211S	670
ISOPHORONE	UG/KG	19	0	670	U	-	20000	U	-	670
N-NITROSODIPHENYLAMINE	UG/KG	19	0	670	U	-	20000	U	-	670
N-NITROSODIPROPYLAMINE	UG/KG	19	0	670	U	-	20000	U	-	670
NAPHTHALENE	UG/KG	19	0	670	U	-	20000	U	-	670
NITROBENZENE	UG/KG	19	0	670	U	-	20000	U	-	670
PENTACHLOROPHENOL	UG/KG	19	0	1600	U	-	49000	U	-	1600
PHENANTHRENE	UG/KG	19	1	200	J	13_SA3	200	J	13_SA3	670
PHENOL	UG/KG	19	0	670	U	-	20000	U	-	670
PYRENE	UG/KG	19	2	170	J	13_SA3	270	J	13_25B211S	670
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	21	3	12.5	U	-	490		13_DBMW49S	12.6
TFH GASOLINE	MG/KG	21	9	0.05	U	-	0.32		13_SA1	0.0509
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	20	10	16	U	-	3340		13_DBMW49S	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 14b

Site 14: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	15	15	1500		14_CBBE	25200		14_DD6	31
ANTIMONY	MG/KG	15	3	2.5	U	-	4.2	b	14_GN2	12.1
ARSENIC	MG/KG	15	14	1.4	b	14_GN5	6.3		14_GN2	0.7
BARIUM	MG/KG	15	15	59.9		14_CBBE	303		14_GN5	0.1
BERYLLIUM	MG/KG	15	4	0.1	U	-	0.75	b	14_DD3	0.5
CADMIUM	MG/KG	15	12	0.78	b	14_DD4	7.2		14_GN5	1.2
CALCIUM	MG/KG	15	15	2260		14_DD4	7960		14_DD6	103
CHROMIUM	MG/KG	15	15	4.6		14_DD4	38.4		14_GN2	3.7
COBALT	MG/KG	15	15	2.1	b	14_DD4	8.7	b	14_DD6	5.8
COPPER	MG/KG	15	15	4.2	b	14_DD4	31		14_GN2	0.9
IRON	MG/KG	15	15	3000		14_CBBE	26600		14_DD6	2.3
LEAD	MG/KG	15	15	2.8		14_GN1	923		14_GN5	0.6
MAGNESIUM	MG/KG	15	15	1030	b	14_CBBE	12200		14_DD6	14.3
MANGANESE	MG/KG	15	15	45.1		14_CBBE	366		14_DD3	0.8
MERCURY	MG/KG	15	2	0.03	U	-	1.4		14_CBBE	0.1
NICKEL	MG/KG	15	13	4	b	14_DD4	14.7		14_DD3	7.7
POTASSIUM	MG/KG	15	15	485	b	14_CBBE	6720		14_DD3	191
SELENIUM	MG/KG	15	11	0.1	U	-	0.48	b	14_GN5	0.5
SILVER	MG/KG	15	5	0.43	U	-	5.6		14_DD6	2.1
SODIUM	MG/KG	15	15	175	b	14_GN5	537	b	14_DD6	12.4
THALLIUM	MG/KG	15	1	0.14	U	-	0.18	b	14_DD4	0.7
VANADIUM	MG/KG	15	15	7.2	b	14_CBBE	62		14_DD6	1.9
ZINC	MG/KG	15	15	22.6		14_DD4	288		14_GN5	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	15	0	10	U	-	12	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	15	0	10	U	-	12	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	15	0	10	U	-	12	U	-	10
1,1-DICHLOROETHANE	UG/KG	15	0	10	U	-	12	U	-	10
1,1-DICHLOROETHENE	UG/KG	15	0	10	U	-	12	U	-	10
1,2-DICHLOROETHANE	UG/KG	15	0	10	U	-	12	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	15	0	10	U	-	12	U	-	10
1,2-DICHLOROPROPANE	UG/KG	15	0	10	U	-	12	U	-	10

Table C - 14b

Site 14: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	15	0	10	U	-	12	U	-	10
2-HEXANONE	UG/KG	15	0	10	U	-	12	U	-	10
4-METHYL-2-PENTANONE	UG/KG	15	0	10	U	-	12	U	-	10
ACETONE	UG/KG	15	6	10	U	-	66		14_GN5	10
BENZENE	UG/KG	15	0	10	U	-	12	U	-	10
BROMODICHLOROMETHANE	UG/KG	15	0	10	U	-	12	U	-	10
BROMOFORM	UG/KG	15	0	10	U	-	12	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	15	0	10	U	-	12	U	-	10
CARBON DISULFIDE	UG/KG	15	0	10	U	-	12	U	-	10
CARBON TETRACHLORIDE	UG/KG	15	1	2	J	14_DD3	2	J	14_DD3	10
CHLOROBENZENE	UG/KG	15	0	10	U	-	12	U	-	10
CHLORODIBROMOMETHANE	UG/KG	15	0	10	U	-	12	U	-	10
CHLOROETHANE	UG/KG	15	0	10	U	-	12	U	-	10
CHLOROFORM	UG/KG	15	0	10	U	-	12	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	15	0	10	U	-	12	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	15	0	10	U	-	12	U	-	10
ETHYLBENZENE	UG/KG	15	0	10	U	-	12	U	-	10
METHYLENE CHLORIDE	UG/KG	15	0	6	U	-	20	U	-	10
STYRENE	UG/KG	15	0	10	U	-	12	U	-	10
TETRACHLOROETHENE	UG/KG	15	0	10	U	-	12	U	-	10
TOLUENE	UG/KG	15	7	2	J	14_DD3	6	J	14_DD4	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	15	0	10	U	-	12	U	-	10
TRICHLOROETHYLENE	UG/KG	15	0	10	U	-	12	U	-	10
VINYL CHLORIDE	UG/KG	15	0	10	U	-	12	U	-	10
XYLENE (TOTAL)	UG/KG	15	0	10	U	-	12	U	-	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	15	0	670	U	-	770	U	-	680
1,2-DICHLOROBENZENE	UG/KG	15	0	670	U	-	770	U	-	680
1,3-DICHLOROBENZENE	UG/KG	15	0	670	U	-	770	U	-	680
1,4-DICHLOROBENZENE	UG/KG	15	0	670	U	-	770	U	-	680
2,4,5-TRICHLOROPHENOL	UG/KG	15	0	1600	U	-	1900	U	-	1700
2,4,6-TRICHLOROPHENOL	UG/KG	15	0	670	U	-	770	U	-	680
2,4-DICHLOROPHENOL	UG/KG	15	0	670	U	-	770	U	-	680

Table C - 14b

Site 14: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DIMETHYLPHENOL	UG/KG	15	0	670	U	-	770	U	-	680
2,4-DINITROPHENOL	UG/KG	15	0	1600	U	-	1900	U	-	1700
2,4-DINITROTOLUENE	UG/KG	15	0	670	U	-	770	U	-	680
2,6-DINITROTOLUENE	UG/KG	15	0	670	U	-	770	U	-	680
2-CHLORONAPHTHALENE	UG/KG	15	0	670	U	-	770	U	-	680
2-CHLOROPHENOL	UG/KG	15	0	670	U	-	770	U	-	680
2-METHYLNAPHTHALENE	UG/KG	15	0	670	U	-	770	U	-	680
2-METHYLPHENOL	UG/KG	15	0	670	U	-	770	U	-	680
2-NITROANILINE	UG/KG	15	C	1600	U	-	1900	U	-	1700
2-NITROPHENOL	UG/KG	15	0	670	U	-	770	U	-	680
3,3'-DICHLOROBENZIDINE	UG/KG	15	0	670	U	-	770	U	-	680
3-NITROANILINE	UG/KG	15	0	1600	U	-	1900	U	-	1700
4,6-DINITRO-2-METHYLPHENOL	UG/KG	15	0	1600	U	-	1900	U	-	1700
4-BROMOPHENYL PHENYL ETHER	UG/KG	15	0	670	U	-	770	U	-	680
4-CHLORO-3-METHYLPHENOL	UG/KG	15	0	670	U	-	770	U	-	680
4-CHLOROANILINE	UG/KG	15	0	670	U	-	770	U	-	680
4-CHLOROPHENYL PHENYL ETHER	UG/KG	15	0	670	U	-	770	U	-	680
4-METHYLPHENOL	UG/KG	15	0	670	U	-	770	U	-	680
4-NITROANILINE	UG/KG	15	0	1600	U	-	1900	U	-	1700
4-NITROPHENOL	UG/KG	15	0	1600	U	-	1900	U	-	1700
ACENAPHTHENE	UG/KG	15	0	670	U	-	770	U	-	680
ACENAPHTHYLENE	UG/KG	15	0	670	U	-	770	U	-	680
ANTHRACENE	UG/KG	15	2	180	J	14_GN5	240	J	14_GN2	680
BENZO(A)ANTHRACENE	UG/KG	15	5	260	J	14_GN1	2200		14_GN2	680
BENZO(A)PYRENE	UG/KG	15	6	240	J	14_DD6	3100		14_GN2	680
BENZO(B)FLUORANTHENE	UG/KG	15	6	340	J	14_GN1	3800		14_GN2	680
BENZO(GHI)PERYLENE	UG/KG	15	3	440	J	14_GN2	1300		14_GN2	680
BENZO(K)FLUORANTHENE	UG/KG	15	6	330	J	14_DD6	3100		14_GN2	680
BENZYL BUTYL PHTHALATE	UG/KG	15	0	670	U	-	770	U	-	680
BIS(2-CHLOROETHOXY) METHANE	UG/KG	15	0	670	U	-	770	U	-	680
BIS(2-CHLOROETHYL)ETHER	UG/KG	15	0	670	U	-	770	U	-	680
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	15	0	670	U	-	770	U	-	680
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	15	4	220	J	14_DD4	7400		14_CBBE	680

Table C - 14b

Site 14: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
CARBAZOLE	UG/KG	15	3	150	J	14_DD4	870		14_GN2	680
CHRYSENE	UG/KG	15	6	320	J	14_DD6	3600		14_GN2	680
DI-N-BUTYL PHTHALATE	UG/KG	15	0	670	U	-	770	U	-	680
DI-N-OCTYL PHTHALATE	UG/KG	15	0	670	U	-	770	U	-	680
DIBENZO(A,H)ANTHRACENE	UG/KG	15	2	420	J	14_GN5	640	J	14_GN2	680
DIBENZOFURAN	UG/KG	15	0	670	U	-	770	U	-	680
DIETHYL PHTHALATE	UG/KG	15	0	670	U	-	770	U	-	680
DIMETHYL PHTHALATE	UG/KG	15	0	670	U	-	770	U	-	680
FLUORANTHENE	UG/KG	15	7	420	J	14_DD6	5800		14_GN2	680
FLUORENE	UG/KG	15	0	670	U	-	770	U	-	680
HEXACHLOROBENZENE	UG/KG	15	0	670	U	-	770	U	-	680
HEXACHLOROBUTADIENE	UG/KG	15	0	670	U	-	770	U	-	680
HEXACHLOROCYCLOPENTADIENE	UG/KG	15	0	670	U	-	770	U	-	680
HEXACHLOROETHANE	UG/KG	15	0	670	U	-	770	U	-	680
INDENO(1,2,3-CD)PYRENE	UG/KG	15	7	200	J	14_GN1	1500		14_GN2	680
ISOPHORONE	UG/KG	15	0	670	U	-	770	U	-	680
N-NITROSODIPHENYLAMINE	UG/KG	15	0	670	U	-	770	U	-	680
N-NITROSODIPROPYLAMINE	UG/KG	15	0	670	U	-	770	U	-	680
NAPHTHALENE	UG/KG	15	0	670	U	-	770	U	-	680
NITROBENZENE	UG/KG	15	0	670	U	-	770	U	-	680
PENTACHLOROPHENOL	UG/KG	15	0	1600	U	-	1900	U	-	1700
PHENANTHRENE	UG/KG	15	6	160	J	14_DD6	1600		14_GN2	680
PHENOL	UG/KG	15	0	670	U	-	770	U	-	680
PYRENE	UG/KG	15	7	340	J	14_DD6	4700		14_GN2	680
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	15	7	12.5	U	-	11100		14_CBBE	1310
TFH GASOLINE	MG/KG	15	12	0.05	U	-	1.64		14_GN2	0.0518
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	14	7	20	U	-	7364		14_CBBE	400

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 15b

Site 15: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	10	10	4470		15_UGS	18300		15_GN3	31
ANTIMONY	MG/KG	10	0	2.5	U	-	2.9	U	-	12.1
ARSENIC	MG/KG	10	10	1.4	b	15_GN1	3.5		15_GN2	0.7
BARIUM	MG/KG	10	10	51		15_GN2	157		15_UGS	0.1
BERYLLIUM	MG/KG	10	10	0.15	b	15_GN2	0.58	b	15_GN3	0.5
CADMIUM	MG/KG	10	10	0.53	b	15_GN1	1.6		15_GN3	1.2
CALCIUM	MG/KG	10	10	2840		15_GN1	9530		15_UGS	103
CHROMIUM	MG/KG	10	10	5.8		15_GN1	30.9		15_DBS	3.7
COBALT	MG/KG	10	10	2.5	b	15_GN1	7.7	b	15_GN3	5.8
COPPER	MG/KG	10	10	4.6	b	15_GN1	15		15_GN1	0.9
IRON	MG/KG	10	10	8300		15_GN1	20200		15_GN3	2.3
LEAD	MG/KG	10	10	1.5		15_GN1	34.5		15_GN3	0.6
MAGNESIUM	MG/KG	10	10	2200		15_GN2	8690		15_GN3	14.3
MANGANESE	MG/KG	10	10	122		15_GN2	298		15_GN3	0.8
MERCURY	MG/KG	10	1	0.03	U	-	0.35		15_UGS	0.1
NICKEL	MG/KG	10	10	4.7	b	15_GN1	15		15_DBS	7.7
POTASSIUM	MG/KG	10	10	1220		15_GN2	5350		15_GN3	191
SELENIUM	MG/KG	10	3	0.1	U	-	0.25	b	15_GN1	0.11
SILVER	MG/KG	10	1	0.43	U	-	0.79	b	15_DBS	2.1
SODIUM	MG/KG	10	10	184	b	15_GN1	455	b	15_GN3	12.4
THALLIUM	MG/KG	10	4	0.14	U	-	0.33	b	15_GN2	0.7
VANADIUM	MG/KG	10	10	19.3		15_GN1	46.7		15_GN3	1.9
ZINC	MG/KG	10	10	30.4		15_GN1	71.1		15_GN2	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	10	0	10	U	-	12	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	10	0	10	U	-	12	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	10	0	10	U	-	12	U	-	10
1,1-DICHLOROETHANE	UG/KG	10	0	10	U	-	12	U	-	10
1,1-DICHLOROETHENE	UG/KG	10	0	10	U	-	12	U	-	10
1,2-DICHLOROETHANE	UG/KG	10	0	10	U	-	12	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	10	0	10	U	-	12	U	-	10
1,2-DICHLOROPROPANE	UG/KG	10	0	10	U	-	12	U	-	10

Table C - 15b

Site 15: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	10	0	10	U	-	12	U	-	10
2-HEXANONE	UG/KG	10	0	10	U	-	12	U	-	10
4-METHYL-2-PENTANONE	UG/KG	10	0	10	U	-	12	U	-	10
ACETONE	UG/KG	10	6	5	J	15_GN2	87		15_DBS	10
BENZENE	UG/KG	10	0	10	U	-	12	U	-	10
BROMODICHLOROMETHANE	UG/KG	10	0	10	U	-	12	U	-	10
BROMOFORM	UG/KG	10	0	10	U	-	12	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	10	0	10	U	-	12	U	-	10
CARBON DISULFIDE	UG/KG	10	0	10	U	-	12	U	-	10
CARBON TETRACHLORIDE	UG/KG	10	0	10	U	-	12	U	-	10
CHLOROBENZENE	UG/KG	10	0	10	U	-	12	U	-	10
CHLORODIBROMOMETHANE	UG/KG	10	0	10	U	-	12	U	-	10
CHLOROETHANE	UG/KG	10	0	10	U	-	12	U	-	10
CHLOROFORM	UG/KG	10	0	10	U	-	12	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	10	0	10	U	-	12	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	10	0	10	U	-	12	U	-	10
ETHYLBENZENE	UG/KG	10	0	10	U	-	12	U	-	10
METHYLENE CHLORIDE	UG/KG	10	3	1	U	-	58	B	15_DBS	37
STYRENE	UG/KG	10	0	10	U	-	12	U	-	10
TETRACHLOROETHENE	UG/KG	10	0	10	U	-	12	U	-	10
TOLUENE	UG/KG	10	5	2	J	15_GN3	4	J	15_GN3	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	10	0	10	U	-	12	U	-	10
TRICHLOROETHYLENE	UG/KG	10	0	10	U	-	12	U	-	10
VINYL CHLORIDE	UG/KG	10	0	10	U	-	12	U	-	10
XYLENE (TOTAL)	UG/KG	10	0	10	U	-	12	U	-	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	10	0	670	U	-	21000	U	-	670
1,2-DICHLOROBENZENE	UG/KG	10	0	670	U	-	21000	U	-	670
1,3-DICHLOROBENZENE	UG/KG	10	0	670	U	-	21000	U	-	670
1,4-DICHLOROBENZENE	UG/KG	10	0	670	U	-	21000	U	-	670
2,4,5-TRICHLOROPHENOL	UG/KG	10	0	1600	U	-	51000	U	-	1600
2,4,6-TRICHLOROPHENOL	UG/KG	10	0	670	U	-	21000	U	-	670
2,4-DICHLOROPHENOL	UG/KG	10	0	670	U	-	21000	U	-	670

Table C - 15b

Site 15: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DIMETHYLPHENOL	UG/KG	10	0	670	U	-	21000	U	-	670
2,4-DINITROPHENOL	UG/KG	10	0	1600	U	-	51000	U	-	1600
2,4-DINITROTOLUENE	UG/KG	10	0	670	U	-	21000	U	-	670
2,6-DINITROTOLUENE	UG/KG	10	0	670	U	-	21000	U	-	670
2-CHLORONAPHTHALENE	UG/KG	10	0	670	U	-	21000	U	-	670
2-CHLOROPHENOL	UG/KG	10	0	670	U	-	21000	U	-	670
2-METHYLNAPHTHALENE	UG/KG	10	0	670	U	-	21000	U	-	670
2-METHYLPHENOL	UG/KG	10	0	670	U	-	21000	U	-	670
2-NITROANILINE	UG/KG	10	0	1600	U	-	51000	U	-	1600
2-NITROPHENOL	UG/KG	10	0	670	U	-	21000	U	-	670
3,3'-DICHLOROBENZIDINE	UG/KG	10	0	670	U	-	21000	U	-	670
3-NITROANILINE	UG/KG	10	0	1600	U	-	51000	U	-	1600
4,6-DINITRO-2-METHYLPHENOL	UG/KG	10	0	1600	U	-	51000	U	-	1600
4-BROMOPHENYL PHENYL ETHER	UG/KG	10	0	670	U	-	21000	U	-	670
4-CHLORO-3-METHYLPHENOL	UG/KG	10	0	670	U	-	21000	U	-	670
4-CHLOROANILINE	UG/KG	10	0	670	U	-	21000	U	-	670
4-CHLOROPHENYL PHENYL ETHER	UG/KG	10	0	670	U	-	21000	U	-	670
4-METHYLPHENOL	UG/KG	10	0	670	U	-	21000	U	-	670
4-NITROANILINE	UG/KG	10	0	1600	U	-	51000	U	-	1600
4-NITROPHENOL	UG/KG	10	0	1600	U	-	51000	U	-	1600
ACENAPHTHENE	UG/KG	10	0	670	U	-	21000	U	-	670
ACENAPHTHYLENE	UG/KG	10	0	670	U	-	21000	U	-	670
ANTHRACENE	UG/KG	10	0	670	U	-	21000	U	-	670
BENZO(A)ANTHRACENE	UG/KG	10	0	670	U	-	21000	U	-	670
BENZO(A)PYRENE	UG/KG	10	0	670	U	-	21000	U	-	670
BENZO(B)FLUORANTHENE	UG/KG	10	0	670	U	-	21000	U	-	670
BENZO(GHI)PERYLENE	UG/KG	10	0	670	U	-	21000	U	-	670
BENZO(K)FLUORANTHENE	UG/KG	10	0	670	U	-	21000	U	-	670
BENZYL BUTYL PHTHALATE	UG/KG	10	1	670	U	-	1200		15_GN2	670
BIS(2-CHLOROETHOXY) METHANE	UG/KG	10	0	670	U	-	21000	U	-	670
BIS(2-CHLOROETHYL)ETHER	UG/KG	10	0	670	U	-	21000	U	-	670
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	10	0	670	U	-	21000	U	-	670
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	10	1	370	J	15_GN2	370	J	15_GN2	670

Table C - 15b

Site 15: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
CARBAZOLE	UG/KG	10	0	670	U	-	21000	U	-	670
CHRYSENE	UG/KG	10	1	210	J	15_UGS	210	J	15_UGS	670
DI-N-BUTYL PHTHALATE	UG/KG	10	0	670	U	-	21000	U	-	670
DI-N-OCTYL PHTHALATE	UG/KG	10	0	670	U	-	21000	U	-	670
DIBENZO(A,H)ANTHRACENE	UG/KG	10	0	670	U	-	21000	U	-	670
DIBENZOFURAN	UG/KG	10	0	670	U	-	21000	U	-	670
DIETHYL PHTHALATE	UG/KG	10	0	670	U	-	21000	U	-	670
DIMETHYL PHTHALATE	UG/KG	10	0	670	U	-	21000	U	-	670
FLUORANTHENE	UG/KG	10	0	670	U	-	21000	U	-	670
FLUORENE	UG/KG	10	0	670	U	-	21000	U	-	670
HEXACHLOROBENZENE	UG/KG	10	0	670	U	-	21000	U	-	670
HEXACHLOROBUTADIENE	UG/KG	10	0	670	U	-	21000	U	-	670
HEXACHLOROCYCLOPENTADIENE	UG/KG	10	0	670	U	-	21000	U	-	670
HEXACHLOROETHANE	UG/KG	10	0	670	U	-	21000	U	-	670
INDENO(1,2,3-CD)PYRENE	UG/KG	10	0	670	U	-	21000	U	-	670
ISOPHORONE	UG/KG	10	0	670	U	-	21000	U	-	670
N-NITROSODIPHENYLAMINE	UG/KG	10	0	670	U	-	21000	U	-	670
N-NITROSODIPROPYLAMINE	UG/KG	10	0	670	U	-	21000	U	-	670
NAPHTHALENE	UG/KG	10	0	670	U	-	21000	U	-	670
NITROBENZENE	UG/KG	10	0	670	U	-	21000	U	-	670
PENTACHLOROPHENOL	UG/KG	10	0	1600	U	-	51000	U	-	1600
PHENANTHRENE	UG/KG	10	1	670	U	-	5300	J	15_DBS	670
PHENOL	UG/KG	10	0	670	U	-	21000	U	-	670
PYRENE	UG/KG	10	0	670	U	-	21000	U	-	670
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	10	7	12.6	U	-	8530		15_DBS	12.6
TFH GASOLINE	MG/KG	10	6	0.05	U	-	21.1		15_DBS	0.0504
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	10	8	20	U	-	23034		15_DBS	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 16b

Site 16: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	28	28	2510		16_PT3	22500		16_DD3	31
ANTIMONY	MG/KG	28	1	2.4	U	-	3.3	b	16_DD3	12.1
ARSENIC	MG/KG	28	25	0.46	U	-	5.2		16_DD2	0.7
BARIUM	MG/KG	28	28	54.7		16_PT3	243		16_PT1	0.1
BERYLLIUM	MG/KG	28	3	0.16	U	-	1.1		16_PT1	0.4
CADMIUM	MG/KG	28	14	0.3	U	-	2.9		16_GN3	0.59
CALCIUM	MG/KG	28	28	2480		16_DD2	14300		16_PT1	103
CHROMIUM	MG/KG	28	28	3.8		16_UGS	26.3		16_GN3	3.7
COBALT	MG/KG	28	28	1.6	b	16_PT3	10.2	b	16_PT1	5.8
COPPER	MG/KG	28	28	2.9	b	16_PT3	51.1		16_GN3	0.9
IRON	MG/KG	28	28	4300		16_PT3	26700		16_PT1	2.3
LEAD	MG/KG	28	28	0.79		16_UGS	291		16_GN3	0.6
MAGNESIUM	MG/KG	28	28	1540		16_PT3	12400		16_PT1	14.3
MANGANESE	MG/KG	28	28	79.4		16_PT3	426		16_PT1	0.8
MERCURY	MG/KG	28	0	0.03	U	-	0.05	U	-	0.1
NICKEL	MG/KG	28	21	2.4	b	16_DD2	12.6		16_PT1	7.7
POTASSIUM	MG/KG	28	28	1460		16_PT3	7510		16_PT1	191
SELENIUM	MG/KG	28	6	0.1	U	-	0.2	b	16_UGS	0.5
SILVER	MG/KG	28	1	0.43	U	-	0.6	b	16_GN1	2.1
SODIUM	MG/KG	28	26	152	U	-	845	b	16_PT1	12.4
THALLIUM	MG/KG	28	9	0.14	U	-	0.64	b	16_PT1	0.29
VANADIUM	MG/KG	28	28	9	b	16_PT3	58.8		16_PT1	1.9
ZINC	MG/KG	28	28	18.7		16_UGS	198		16_GN3	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	24	0	10	U	-	2800	U	-	53
1,1,2,2-TETRACHLOROETHANE	UG/KG	24	0	10	U	-	2800	U	-	53
1,1,2-TRICHLOROETHANE	UG/KG	24	0	10	U	-	2800	U	-	53
1,1-DICHLOROETHANE	UG/KG	24	0	10	U	-	2800	U	-	53
1,1-DICHLOROETHENE	UG/KG	24	0	10	U	-	2800	U	-	53
1,2-DICHLOROETHANE	UG/KG	24	0	10	U	-	2800	U	-	53
1,2-DICHLOROETHENE (TOTAL)	UG/KG	24	0	10	U	-	2800	U	-	53
1,2-DICHLOROPROPANE	UG/KG	24	0	10	U	-	2800	U	-	53

Table C - 16b

Site 16: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	24	8	2	J	16_DD3	13000		16_PT2	53
2-HEXANONE	UG/KG	24	1	3	J	16_DD3	3	J	16_DD3	53
4-METHYL-2-PENTANONE	UG/KG	24	0	10	U	-	2800	U	-	53
ACETONE	UG/KG	24	3	10	U	-	1100	J	16_PT1	59
BENZENE	UG/KG	24	1	10	U	-	30	J	16_PT2	53
BROMODICHLOROMETHANE	UG/KG	24	0	10	U	-	2800	U	-	53
BROMOFORM	UG/KG	24	0	10	U	-	2800	U	-	53
BROMOMETHANE (METHYL BROMIDE)	UG/KG	24	0	10	U	-	2800	U	-	53
CARBON DISULFIDE	UG/KG	24	0	10	U	-	2800	U	-	53
CARBON TETRACHLORIDE	UG/KG	24	3	2	J	16_PT3	4	J	16_DD3	53
CHLOROBENZENE	UG/KG	24	0	10	U	-	2800	U	-	53
CHLORODIBROMOMETHANE	UG/KG	24	0	10	U	-	2800	U	-	53
CHLOROETHANE	UG/KG	24	0	10	U	-	2800	U	-	53
CHLOROFORM	UG/KG	24	0	10	U	-	2800	U	-	53
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	24	0	10	U	-	2800	U	-	53
CIS-1,3-DICHLOROPROPENE	UG/KG	24	0	10	U	-	2800	U	-	53
ETHYLBENZENE	UG/KG	24	4	10	U	-	3600		16_PT3	53
METHYLENE CHLORIDE	UG/KG	24	1	10	U	-	50	J	16_GN3	53
STYRENE	UG/KG	24	0	10	U	-	2800	U	-	53
TETRACHLOROETHENE	UG/KG	24	0	10	U	-	2800	U	-	53
TOLUENE	UG/KG	24	9	3	J	16_GN1	3400		16_PT3	53
TRANS-1,3-DICHLOROPROPENE	UG/KG	24	0	10	U	-	2800	U	-	53
TRICHLOROETHYLENE	UG/KG	24	0	10	U	-	2800	U	-	53
VINYL CHLORIDE	UG/KG	24	0	10	U	-	2800	U	-	53
XYLENE (TOTAL)	UG/KG	24	4	10	U	-	23000		16_PT3	53
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	24	0	660	U	-	20000	U	-	700
1,2-DICHLOROBENZENE	UG/KG	24	0	660	U	-	20000	U	-	700
1,3-DICHLOROBENZENE	UG/KG	24	0	660	U	-	20000	U	-	700
1,4-DICHLOROBENZENE	UG/KG	24	0	660	U	-	20000	U	-	700
2,4,5-TRICHLOROPHENOL	UG/KG	24	0	1600	U	-	48000	U	-	1700
2,4,6-TRICHLOROPHENOL	UG/KG	24	0	660	U	-	20000	U	-	700
2,4-DICHLOROPHENOL	UG/KG	24	0	660	U	-	20000	U	-	700

Table C - 16b

Site 16: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DIMETHYLPHENOL	UG/KG	24	0	660	U	-	20000	U	-	700
2,4-DINITROPHENOL	UG/KG	24	0	1600	U	-	48000	U	-	1700
2,4-DINITROTOLUENE	UG/KG	24	0	660	U	-	20000	U	-	700
2,6-DINITROTOLUENE	UG/KG	24	0	660	U	-	20000	U	-	700
2-CHLORONAPHTHALENE	UG/KG	24	0	660	U	-	20000	U	-	700
2-CHLOROPHENOL	UG/KG	24	0	660	U	-	20000	U	-	700
2-METHYLNAPHTHALENE	UG/KG	24	1	660	U	-	3300		16_PT1	700
2-METHYLPHENOL	UG/KG	24	0	660	U	-	20000	U	-	700
2-NITROANILINE	UG/KG	24	0	1600	U	-	48000	U	-	1700
2-NITROPHENOL	UG/KG	24	0	660	U	-	20000	U	-	700
3,3'-DICHLOROBENZIDINE	UG/KG	24	0	660	U	-	20000	U	-	700
3-NITROANILINE	UG/KG	24	0	1600	U	-	48000	U	-	1700
4,6-DINITRO-2-METHYLPHENOL	UG/KG	24	0	1600	U	-	48000	U	-	1700
4-BROMOPHENYL PHENYL ETHER	UG/KG	24	0	660	U	-	20000	U	-	700
4-CHLORO-3-METHYLPHENOL	UG/KG	24	0	660	U	-	20000	U	-	700
4-CHLOROANILINE	UG/KG	24	0	660	U	-	20000	U	-	700
4-CHLOROPHENYL PHENYL ETHER	UG/KG	24	0	660	U	-	20000	U	-	700
4-METHYLPHENOL	UG/KG	24	0	660	U	-	20000	U	-	700
4-NITROANILINE	UG/KG	24	0	1600	U	-	48000	U	-	1700
4-NITROPHENOL	UG/KG	24	0	1600	U	-	48000	U	-	1700
ACENAPHTHENE	UG/KG	24	0	660	U	-	20000	U	-	700
ACENAPHTHYLENE	UG/KG	24	0	660	U	-	20000	U	-	700
ANTHRACENE	UG/KG	24	0	660	U	-	20000	U	-	700
BENZO(A)ANTHRACENE	UG/KG	24	0	660	U	-	20000	U	-	700
BENZO(A)PYRENE	UG/KG	24	0	660	U	-	20000	U	-	700
BENZO(B)FLUORANTHENE	UG/KG	24	0	660	U	-	20000	U	-	700
BENZO(GHI)PERYLENE	UG/KG	24	0	660	U	-	20000	U	-	700
BENZO(K)FLUORANTHENE	UG/KG	24	0	660	U	-	20000	U	-	700
BENZYL BUTYL PHTHALATE	UG/KG	24	0	660	U	-	20000	U	-	700
BIS(2-CHLOROETHOXY) METHANE	UG/KG	24	0	660	U	-	20000	U	-	700
BIS(2-CHLOROETHYL)ETHER	UG/KG	24	0	660	U	-	20000	U	-	700
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	24	0	660	U	-	20000	U	-	700
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	24	5	210	J	16_PT2	520	J	16_PT3	700

Table C - 16b

Site 16: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
CARBAZOLE	UG/KG	24	0	660	U	-	20000	U	-	700
CHRYSENE	UG/KG	24	0	660	U	-	20000	U	-	700
DI-N-BUTYL PHTHALATE	UG/KG	24	0	660	U	-	20000	U	-	700
DI-N-OCTYL PHTHALATE	UG/KG	24	0	660	U	-	20000	U	-	700
DIBENZO(A,H)ANTHRACENE	UG/KG	24	0	660	U	-	20000	U	-	700
DIBENZOFURAN	UG/KG	24	1	660	U	-	990		16_PT2	700
DIETHYL PHTHALATE	UG/KG	24	0	660	U	-	20000	U	-	700
DIMETHYL PHTHALATE	UG/KG	24	0	660	U	-	20000	U	-	700
FLUORANTHENE	UG/KG	24	1	210	J	16_GN3	210	J	16_GN3	700
FLUORENE	UG/KG	24	1	660	U	-	2000		16_GN3	700
HEXACHLOROBENZENE	UG/KG	24	0	660	U	-	20000	U	-	700
HEXACHLOROBUTADIENE	UG/KG	24	0	660	U	-	20000	U	-	700
HEXACHLOROCYCLOPENTADIENE	UG/KG	24	0	660	U	-	20000	U	-	700
HEXACHLOROETHANE	UG/KG	24	0	660	U	-	20000	U	-	700
INDENO(1,2,3-CD)PYRENE	UG/KG	24	0	660	U	-	20000	U	-	700
ISOPHORONE	UG/KG	24	0	660	U	-	20000	U	-	700
N-NITROSODIPHENYLAMINE	UG/KG	24	0	660	U	-	20000	U	-	700
N-NITROSODIPROPYLAMINE	UG/KG	24	0	660	U	-	20000	U	-	700
NAPHTHALENE	UG/KG	22	2	660	U	-	33000	D	16_PT2	700
NITROBENZENE	UG/KG	24	0	660	U	-	20000	U	-	700
PENTACHLOROPHENOL	UG/KG	24	0	1600	U	-	48000	U	-	1700
PHENANTHRENE	UG/KG	24	7	180	J	16_PT1	870		16_PT3	700
PHENOL	UG/KG	24	0	660	U	-	20000	U	-	700
PYRENE	UG/KG	24	3	160	J	16_PT3	270	J	16_GN3	700
PESTICIDES AND PCBs										
DIOXINS AND FURANS										
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-D	NG/G	3	0	0.04	U	-	0.05	U	-	0.04
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURA	NG/G	3	0	0.03	U	-	0.04	U	-	0.04
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURA	NG/G	3	0	0.04	U	-	0.06	U	-	0.06
1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOX	NG/G	3	0	0.05	U	-	0.06	U	-	0.06
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	NG/G	3	0	0.04	U	-	0.05	U	-	0.05
1,2,3,6,7,8-HEXACHLORODIBENZO	NG/G	3	0	0.04	U	-	0.05	U	-	0.05
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	NG/G	3	0	0.04	U	-	0.05	U	-	0.05

Table C - 16b

Site 16: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2,3,7,8,9-HEXACHLORODIBENZO-p-DIOX	NG/G	3	0	0.03	U	-	0.04	U	-	0.04
1,2,3,7,8,9-HEXACHLORODIBENZOFURANS	NG/G	3	0	0.04	U	-	0.05	U	-	0.05
1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXI	NG/G	3	0	0.01	U	-	0.02	U	-	0.02
1,2,3,7,8-PENTACHLORODIBENZOFURAN	NG/G	3	0	0.01	U	-	0.01	U	-	0.01
2,3,4,7,8-PENTACHLORODIBENZOFURAN	NG/G	3	0	0.02	U	-	0.03	U	-	0.02
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	NG/G	3	0	0.02	U	-	0.03	U	-	0.02
2,3,7,8-TETRACHLORODIBENZOFURAN	NG/G	3	0	0.01	U	-	0.01	U	-	0.01
HEPTACHLORODIBENZO-P-DIOXINS	NG/G	3	0	0.04	U	-	0.05	U	-	0.04
HEPTACHLORODIBENZOFURANS	NG/G	3	0	0.04	U	-	0.06	U	-	0.06
HEXACHLORODIBENZOFURANS	NG/G	3	0	0.04	U	-	0.05	U	-	0.05
HEXACHLORODIBENZOFURNS	NG/G	3	0	0.03	U	-	0.04	U	-	0.04
HEXACHLORODIBENZPO-P-DIOXINS	NG/G	3	0	0.05	U	-	0.06	U	-	0.06
OCTACHLORODIBENZO-P-DIOXINS	NG/G	3	0	0.31	U	-	0.36	U	-	0.31
OCTACHLORODIBENZOFURAN	NG/G	3	0	0.01	U	-	0.07	U	-	0.07
PENTACHLORODIBENZO-P-DIOXINS	NG/G	3	0	0.01	U	-	0.02	U	-	0.02
PENTACHLORODIBENZOFURANS	NG/G	3	0	0.02	U	-	0.03	U	-	0.02
TETRACHLORODIBENZO-P-DIOXINS	NG/G	3	0	0.02	U	-	0.03	U	-	0.02
TETRACHLORODIBENZOFURANS	NG/G	3	0	0.01	U	-	0.01	U	-	0.01
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	28	21	12.9	U	-	75200		16_PT3	12.9
TFH GASOLINE	MG/KG	28	18	0.05	U	-	3120		16_PT3	0.0518
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	28	21	20	U	-	39101	J	16_PT3	0

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 17b

Site 17: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	14	14	2670		17_DBS	7340		17_SA2	31
ANTIMONY	MG/KG	14	2	2.4	U	-	2.8	b	17_SA3	12.1
ARSENIC	MG/KG	14	14	1.5	b	17_DBS	4.4		17_LF1	0.6
BARIUM	MG/KG	14	14	39.3	b	17_DBS	164		17_SA1	0.1
BERYLLIUM	MG/KG	14	13	0.1	b	17_LF1	0.26	b	17_SA2	0.5
CADMIUM	MG/KG	14	14	0.39	b	17_DBS	12		17_SA1	1.2
CALCIUM	MG/KG	14	14	1870		17_LF3	3880		17_LF2	103
CHROMIUM	MG/KG	14	14	6		17_DBS	297		17_LF3	3.7
COBALT	MG/KG	14	14	1.6	b	17_DBS	5.9	b	17_LF3	5.8
COPPER	MG/KG	14	4	2.9	U	-	82.5		17_SA1	0.9
IRON	MG/KG	14	14	4860		17_DBS	12900		17_LF3	2.3
LEAD	MG/KG	14	14	1.4		17_LF3	361		17_SA1	0.6
MAGNESIUM	MG/KG	14	14	1320		17_DBS	3100		17_LF3	14.3
MANGANESE	MG/KG	14	14	75.4		17_SA2	220		17_LF3	0.8
MERCURY	MG/KG	14	1	0.03	U	-	0.14		17_SA1	0.1
NICKEL	MG/KG	14	14	3.8	b	17_SA3	138		17_LF3	7.7
POTASSIUM	MG/KG	14	14	1450		17_DBS	2370		17_SA2	191
SELENIUM	MG/KG	14	12	0.1	b	17_LF3	1.4		17_LF1	0.5
SILVER	MG/KG	14	1	0.42	U	-	0.85	b	17_SA1	2.1
SODIUM	MG/KG	14	14	159	b	17_SA2	247	b	17_LF3	12.4
THALLIUM	MG/KG	14	2	0.14	U	-	0.15	b	17_SA1	0.7
VANADIUM	MG/KG	14	14	11.4		17_DBS	32.1		17_LF1	1.9
ZINC	MG/KG	14	14	16.3		17_LF3	260		17_SA1	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	12	0	10	U	-	11	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	12	0	10	U	-	11	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	12	0	10	U	-	11	U	-	10
1,1-DICHLOROETHANE	UG/KG	12	0	10	U	-	11	U	-	10
1,1-DICHLOROETHENE	UG/KG	12	0	10	U	-	11	U	-	10
1,2-DICHLOROETHANE	UG/KG	12	0	10	U	-	11	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	12	0	10	U	-	11	U	-	10
1,2-DICHLOROPROPANE	UG/KG	12	0	10	U	-	11	U	-	10
2-BUTANONE	UG/KG	12	0	10	U	-	11	U	-	10
2-HEXANONE	UG/KG	12	0	10	U	-	11	U	-	10

Table C - 17b

Site 17: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
4-METHYL-2-PENTANONE	UG/KG	12	0	10	U	-	11	U	-	10
ACETONE	UG/KG	12	10	10	U	-	86	D	17_SA2	10
BENZENE	UG/KG	12	0	10	U	-	11	U	-	10
BROMODICHLOROMETHANE	UG/KG	12	0	10	U	-	11	U	-	10
BROMOFORM	UG/KG	12	0	10	U	-	11	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	12	0	10	U	-	11	U	-	10
CARBON DISULFIDE	UG/KG	12	0	10	U	-	11	U	-	10
CARBON TETRACHLORIDE	UG/KG	12	0	10	U	-	11	U	-	10
CHLOROBENZENE	UG/KG	12	0	10	U	-	11	U	-	10
CHLORODIBROMOMETHANE	UG/KG	12	0	10	U	-	11	U	-	10
CHLOROETHANE	UG/KG	12	0	10	U	-	11	U	-	10
CHLOROFORM	UG/KG	12	0	10	U	-	11	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	12	0	10	U	-	11	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	12	0	10	U	-	11	U	-	10
ETHYLBENZENE	UG/KG	12	0	10	U	-	11	U	-	10
METHYLENE CHLORIDE	UG/KG	12	2	11	U	-	47	B	17_SA2	10
STYRENE	UG/KG	12	0	10	U	-	11	U	-	10
TETRACHLOROETHENE	UG/KG	12	0	10	U	-	11	U	-	10
TOLUENE	UG/KG	12	8	3	J	17_LF1	180		17_SA2	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	12	0	10	U	-	11	U	-	10
TRICHLOROETHYLENE	UG/KG	12	0	10	U	-	11	U	-	10
VINYL CHLORIDE	UG/KG	12	0	10	U	-	11	U	-	10
XYLENE (TOTAL)	UG/KG	12	0	10	U	-	11	U	-	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	14	0	660	U	-	20000	U	-	20000
1,2-DICHLOROBENZENE	UG/KG	14	0	660	U	-	20000	U	-	20000
1,3-DICHLOROBENZENE	UG/KG	14	0	660	U	-	20000	U	-	20000
1,4-DICHLOROBENZENE	UG/KG	14	0	660	U	-	20000	U	-	20000
2,4,5-TRICHLOROPHENOL	UG/KG	14	0	1600	U	-	50000	U	-	50000
2,4,6-TRICHLOROPHENOL	UG/KG	14	0	660	U	-	20000	U	-	20000
2,4-DICHLOROPHENOL	UG/KG	14	0	660	U	-	20000	U	-	20000
2,4-DIMETHYLPHENOL	UG/KG	14	1	660	U	-	6000	J	17_SA1	20000
2,4-DINITROPHENOL	UG/KG	14	0	1600	U	-	50000	U	-	50000
2,4-DINITROTOLUENE	UG/KG	14	0	660	U	-	20000	U	-	20000
2,6-DINITROTOLUENE	UG/KG	14	0	660	U	-	20000	U	-	20000

HANNAH AVE
CULVER DR
YALE AVE
WALNUT AVE
DEL CANYON WASH
AGUA CHINON WASH
BORREGO CANYON WASH

FEATURES:

- RURAL RESIDENTIAL
- SINGLE FAMILY RESIDENTIAL
- MULTI-FAMILY RESIDENTIAL
- MOBILE HOME/TRAILER PARK
- MIXED RESIDENTIAL
- REGIONAL SHOPPING COMPLEX
- COMMERCIAL STRIP
- GENERAL COMMERCIAL
- COMMERCIAL OFFICE
- COMMERCIAL RECREATION
- GENERAL INDUSTRY
- PETROLEUM REFINING/PROCESSING
- TRANSPORTATION FACILITY
- COMMUNICATION FACILITY
- UTILITY
- WATER
- MILITARY
- EXTRACTION
- AGRICULTURE
- FLOOD PLAIN
- PUBLIC AND INSTITUTIONAL
- OPEN SPACE/RECREATION
- VACANT/UNDEVELOPED (LT 30%)
- VACANT/UNDEVELOPED (GT 30%)
- VACANT W/ IMPROVEMENTS
- ROAD
- RAILROAD
- AIRFIELD
- STREAM

N

0 2500 5000 10000

SCALE IN FEET

FIGURE 1-8

REGIONAL LAND USE (1990)

MCAS EL TORO PHASE I RI
TECHNICAL MEMORANDUM

Table C - 17b

Site 17: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-CHLORONAPHTHALENE	UG/KG	14	0	660	U	-	20000	U	-	20000
2-CHLOROPHENOL	UG/KG	14	0	660	U	-	20000	U	-	20000
2-METHYLNAPHTHALENE	UG/KG	14	0	660	U	-	20000	U	-	20000
2-METHYLPHENOL	UG/KG	14	0	660	U	-	20000	U	-	20000
2-NITROANILINE	UG/KG	14	0	1600	U	-	50000	U	-	50000
2-NITROPHENOL	UG/KG	14	0	660	U	-	20000	U	-	20000
3,3'-DICHLOROBENZIDINE	UG/KG	14	0	660	U	-	20000	U	-	20000
3-NITROANILINE	UG/KG	14	0	1600	U	-	50000	U	-	50000
4,6-DINITRO-2-METHYLPHENOL	UG/KG	14	0	1600	U	-	50000	U	-	50000
4-BROMOPHENYL PHENYL ETHER	UG/KG	14	0	660	U	-	20000	U	-	20000
4-CHLORO-3-METHYLPHENOL	UG/KG	14	0	660	U	-	20000	U	-	20000
4-CHLOROANILINE	UG/KG	14	0	660	U	-	20000	U	-	20000
4-CHLOROPHENYL PHENYL ETHER	UG/KG	14	0	660	U	-	20000	U	-	20000
4-METHYLPHENOL	UG/KG	14	2	390	J	17_SA1	34000		17_SA1	20000
4-NITROANILINE	UG/KG	14	0	1600	U	-	50000	U	-	50000
4-NITROPHENOL	UG/KG	14	0	1600	U	-	50000	U	-	50000
ACENAPHTHENE	UG/KG	14	0	660	U	-	20000	U	-	20000
ACENAPHTHYLENE	UG/KG	14	0	660	U	-	20000	U	-	20000
ANTHRACENE	UG/KG	14	0	660	U	-	20000	U	-	20000
BENZO(A)ANTHRACENE	UG/KG	14	1	200	J	17_LF3	200	J	17_LF3	20000
BENZO(A)PYRENE	UG/KG	14	1	390	J	17_LF3	390	J	17_LF3	20000
BENZO(B)FLUORANTHENE	UG/KG	14	0	660	U	-	20000	U	-	20000
BENZO(GHI)PERYLENE	UG/KG	14	1	160	J	17_LF3	160	J	17_LF3	20000
BENZO(K)FLUORANTHENE	UG/KG	14	0	660	U	-	20000	U	-	20000
BENZYL BUTYL PHTHALATE	UG/KG	14	0	660	U	-	20000	U	-	20000
BIS(2-CHLOROETHOXY) METHANE	UG/KG	14	0	660	U	-	20000	U	-	20000
BIS(2-CHLOROETHYL)ETHER	UG/KG	14	0	660	U	-	20000	U	-	20000
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	14	0	660	U	-	20000	U	-	20000
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	14	0	660	U	-	20000	U	-	20000
CARBAZOLE	UG/KG	14	0	660	U	-	20000	U	-	20000
CHRYSENE	UG/KG	14	1	220	J	17_LF3	220	J	17_LF3	20000
DI-N-BUTYL PHTHALATE	UG/KG	14	0	660	U	-	20000	U	-	20000
DI-N-OCTYL PHTHALATE	UG/KG	14	0	660	U	-	20000	U	-	20000
DIBENZO(A,H)ANTHRACENE	UG/KG	14	0	660	U	-	20000	U	-	20000
DIBENZOFURAN	UG/KG	14	0	660	U	-	20000	U	-	20000

Table C - 17b

Site 17: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
DIETHYL PHTHALATE	UG/KG	14	0	660	U	-	20000	U	-	20000
DIMETHYL PHTHALATE	UG/KG	14	0	660	U	-	20000	U	-	20000
FLUORANTHENE	UG/KG	14	1	360	J	17_LF3	360	J	17_LF3	20000
FLUORENE	UG/KG	14	0	660	U	-	20000	U	-	20000
HEXACHLOROBENZENE	UG/KG	14	0	660	U	-	20000	U	-	20000
HEXACHLOROBUTADIENE	UG/KG	14	0	660	U	-	20000	U	-	20000
HEXACHLOROCYCLOPENTADIENE	UG/KG	14	0	660	U	-	20000	U	-	20000
HEXACHLOROETHANE	UG/KG	14	0	660	U	-	20000	U	-	20000
INDENO(1,2,3-CD)PYRENE	UG/KG	14	1	240	J	17_LF3	240	J	17_LF3	20000
ISOPHORONE	UG/KG	14	0	660	U	-	20000	U	-	20000
N-NITROSODIPHENYLAMINE	UG/KG	14	0	660	U	-	20000	U	-	20000
N-NITROSODIPROPYLAMINE	UG/KG	14	0	660	U	-	20000	U	-	20000
NAPHTHALENE	UG/KG	14	0	660	U	-	20000	U	-	20000
NITROBENZENE	UG/KG	14	0	660	U	-	20000	U	-	20000
PENTACHLOROPHENOL	UG/KG	14	0	1600	U	-	50000	U	-	50000
PHENANTHRENE	UG/KG	14	0	660	U	-	20000	U	-	20000
PHENOL	UG/KG	14	0	660	U	-	20000	U	-	20000
PYRENE	UG/KG	14	1	320	J	17_LF3	320	J	17_LF3	20000
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	14	4	3.29	U	-	38.1	J	17_SA1	3.4
4,4'-DDE	UG/KG	14	3	0.64	J	17_SA3	11.6	J	17_SA1	3.4
4,4'-DDT	UG/KG	14	1	3.29	U	-	135	J	17_LF3	3.4
ALDRIN	UG/KG	14	0	1.7	U	-	17.2	U	-	1.8
ALPHA-CHLORDANE	UG/KG	14	1	1.7	U	-	8.81	J	17_SA1	1.8
BHC-ALPHA	UG/KG	14	0	1.7	U	-	17.2	U	-	1.8
BHC-BETA	UG/KG	14	0	1.7	U	-	17.2	U	-	1.8
BHC-DELTA	UG/KG	14	1	1.7	U	-	6.64	J	17_SA1	1.8
BHC-GAMMA(LINDANE)	UG/KG	14	0	1.7	U	-	17.2	U	-	1.8
DIELDRIN	UG/KG	14	3	0.86	J	17_SA1	3.77	J	17_SA1	3.4
ENDOSULFAN I	UG/KG	14	0	1.7	U	-	17.2	U	-	1.8
ENDOSULFAN II	UG/KG	14	0	3.29	U	-	33.4	U	-	3.4
ENDOSULFAN SULFATE	UG/KG	14	4	2.86	J	17_SA3	27.6	J	17_SA1	3.4
ENDRIN	UG/KG	14	0	3.29	U	-	33.4	U	-	3.4
ENDRIN ALDEHYDE	UG/KG	14	0	3.29	U	-	33.4	U	-	3.4
ENDRIN KETONE	UG/KG	14	1	3.29	U	-	8.66	J	17_SA1	3.4

Table C - 17b

Site 17: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GAMMA-CHLORDANE	UG/KG	14	2	1.7	U	-	7.98	J	17_SA1	1.8
HEPTACHLOR	UG/KG	14	0	1.7	U	-	17.2	U	-	1.8
HEPTACHLOR EPOXIDE	UG/KG	14	1	1.7	U	-	2.91	J	17_SA1	1.8
METHOXYCHLOR	UG/KG	14	1	7.56	J	17_SA2	7.56	J	17_SA2	17.7
PCB-1016	UG/KG	14	0	32.9	U	-	334	U	-	34.4
PCB-1221	UG/KG	14	0	66.9	U	-	677	U	-	69.8
PCB-1232	UG/KG	14	0	32.9	U	-	334	U	-	34.4
PCB-1242	UG/KG	14	0	32.9	U	-	334	U	-	34.4
PCB-1248	UG/KG	14	0	32.9	U	-	334	U	-	34.4
PCB-1254	UG/KG	14	0	32.9	U	-	334	U	-	34.4
PCB-1260	UG/KG	14	0	32.9	U	-	334	U	-	34.4
TOXAPHENE	UG/KG	14	0	170	U	-	1720	U	-	177
HERBICIDES										
2,4 DICHLOROPHENOXY ACETIC ACID	UG/KG	14	0	99	U	-	107	U	-	101
2,4,5-T	UG/KG	14	0	24.8	U	-	26.8	U	-	25.4
2,4,5-TP (SILVEX)	UG/KG	14	0	24.8	U	-	26.8	U	-	25.4
2,4-DB	UG/KG	14	3	49.5	U	-	402	J	17_SA2	50.7
DALAPON	UG/KG	14	0	49.5	U	-	53.7	U	-	50.7
DICAMBA	UG/KG	14	0	49.5	U	-	53.7	U	-	50.7
DICHLOROPROP	UG/KG	14	0	99	U	-	107	U	-	101
DINOSEB	UG/KG	14	0	24.8	U	-	26.8	U	-	25.4
MCPA	UG/KG	14	0	24800	U	-	26800	U	-	25400
MCPP	UG/KG	14	0	24800	U	-	26800	U	-	25400
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	14	6	12.5	U	-	1010		17_SA1	259
TFH GASOLINE	MG/KG	14	8	0.05	U	-	0.53		17_SA2	0.0518
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	13	7	9	U	-	2733		17_SA2	400

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 18b

Site 18: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	28	28	742		18_DC1	13100		18_BE1	31
ANTIMONY	MG/KG	28	2	2.5	U	-	3.2	b	18_DCMC	12.1
ARSENIC	MG/KG	28	24	0.32	U	-	5.9		18_BE1	0.6
BARIUM	MG/KG	28	28	8.5	b	18_DC1	190		18_BE1	0.1
BERYLLIUM	MG/KG	28	1	0.1	U	-	0.62	b	18_BE1	0.5
CADMIUM	MG/KG	28	17	0.25	U	-	3.5		18_BE1	1.2
CALCIUM	MG/KG	28	28	722	b	18_DC1	7590		18_BE1	103
CHROMIUM	MG/KG	28	28	1.3	b	18_SD133	17.5		18_BE1	3.7
COBALT	MG/KG	28	18	1.2	U	-	6.2	b	18_BE1	5.8
COPPER	MG/KG	28	27	0.95	b	18_AC1	15.9		18_BE1	0.9
IRON	MG/KG	28	28	1380		18_DC1	20200		18_BE1	2.3
LEAD	MG/KG	28	28	0.72		18_AC1	12.1		18_BE1	0.6
MAGNESIUM	MG/KG	28	28	310	b	18_DC1	7890		18_BE1	14.3
MANGANESE	MG/KG	28	28	39.9		18_DC1	380		18_BE1	0.8
MERCURY	MG/KG	28	14	0.03	U	-	0.45		18_MC2	0.04
NICKEL	MG/KG	28	18	1.7	U	-	19.9		18_BE1	7.7
POTASSIUM	MG/KG	28	24	254	b	18_DC1	5690		18_BE1	191
SELENIUM	MG/KG	28	3	0.1	U	-	0.37	b	18_BE1	0.5
SILVER	MG/KG	28	2	0.43	U	-	0.98	b	18_BE1	2.1
SODIUM	MG/KG	28	22	124	b	18_AC1	560	b	18_DCMC	12.4
THALLIUM	MG/KG	28	3	0.14	U	-	0.42	b	18_BE1	0.7
VANADIUM	MG/KG	28	28	3.6	b	18_DC1	48.2		18_BE1	1.9
ZINC	MG/KG	28	28	8.8		18_SD133	88		18_BE1	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	29	0	10	U	-	14	U	-	13
1,1,2,2-TETRACHLOROETHANE	UG/KG	29	0	10	U	-	14	U	-	13
1,1,2-TRICHLOROETHANE	UG/KG	29	0	10	U	-	14	U	-	13
1,1-DICHLOROETHANE	UG/KG	29	0	10	U	-	14	U	-	13
1,1-DICHLOROETHENE	UG/KG	29	0	10	U	-	14	U	-	13
1,2-DICHLOROETHANE	UG/KG	29	0	10	U	-	14	U	-	13
1,2-DICHLOROETHENE (TOTAL)	UG/KG	29	0	10	U	-	14	U	-	13
1,2-DICHLOROPROPANE	UG/KG	29	0	10	U	-	14	U	-	13
2-BUTANONE	UG/KG	29	1	3	J	18_DCBE	3	J	18_DCBE	13
2-HEXANONE	UG/KG	29	0	10	U	-	14	U	-	13

Table C - 18b

Site 18: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
4-METHYL-2-PENTANONE	UG/KG	29	0	10	U	-	14	U	-	13
ACETONE	UG/KG	29	12	9	J	18_DC1	66		18_BE1	13
BENZENE	UG/KG	29	0	10	U	-	14	U	-	13
BROMODICHLOROMETHANE	UG/KG	29	0	10	U	-	14	U	-	13
BROMOFORM	UG/KG	29	0	10	U	-	14	U	-	13
BROMOMETHANE (METHYL BROMIDE)	UG/KG	29	0	10	U	-	14	U	-	13
CARBON DISULFIDE	UG/KG	29	0	10	U	-	14	U	-	13
CARBON TETRACHLORIDE	UG/KG	29	0	10	U	-	14	U	-	13
CHLOROBENZENE	UG/KG	29	0	10	U	-	14	U	-	13
CHLORODIBROMOMETHANE	UG/KG	29	0	10	U	-	14	U	-	13
CHLOROETHANE	UG/KG	29	0	10	U	-	14	U	-	13
CHLOROFORM	UG/KG	29	0	10	U	-	14	U	-	13
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	29	0	10	U	-	14	U	-	13
CIS-1,3-DICHLOROPROPENE	UG/KG	29	0	10	U	-	14	U	-	13
ETHYLBENZENE	UG/KG	29	0	10	U	-	14	U	-	13
METHYLENE CHLORIDE	UG/KG	29	4	7	U	-	53	B	18_AC1	13
STYRENE	UG/KG	29	0	10	U	-	14	U	-	13
TETRACHLOROETHENE	UG/KG	29	0	10	U	-	14	U	-	13
TOLUENE	UG/KG	29	0	10	U	-	14	U	-	13
TRANS-1,3-DICHLOROPROPENE	UG/KG	29	0	10	U	-	14	U	-	13
TRICHLOROETHYLENE	UG/KG	29	0	10	U	-	14	U	-	13
VINYL CHLORIDE	UG/KG	29	0	10	U	-	14	U	-	13
XYLENE (TOTAL)	UG/KG	29	0	10	U	-	14	U	-	13
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	29	0	680	U	-	900	U	-	890
1,2-DICHLOROBENZENE	UG/KG	29	0	680	U	-	900	U	-	890
1,3-DICHLOROBENZENE	UG/KG	29	0	680	U	-	900	U	-	890
1,4-DICHLOROBENZENE	UG/KG	29	0	680	U	-	900	U	-	890
2,4,5-TRICHLOROPHENOL	UG/KG	29	0	1600	U	-	2200	U	-	2100
2,4,6-TRICHLOROPHENOL	UG/KG	29	0	680	U	-	900	U	-	890
2,4-DICHLOROPHENOL	UG/KG	29	0	680	U	-	900	U	-	890
2,4-DIMETHYLPHENOL	UG/KG	29	0	680	U	-	900	U	-	890
2,4-DINITROPHENOL	UG/KG	29	0	1600	U	-	2200	U	-	2100
2,4-DINITROTOLUENE	UG/KG	29	0	670	U	-	900	U	-	890
2,6-DINITROTOLUENE	UG/KG	29	0	680	U	-	900	U	-	890

Table C - 18b

Site 18: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-CHLORONAPHTHALENE	UG/KG	29	0	680	U	-	900	U	-	890
2-CHLOROPHENOL	UG/KG	29	0	680	U	-	900	U	-	890
2-METHYLNAPHTHALENE	UG/KG	29	0	680	U	-	900	U	-	890
2-METHYLPHENOL	UG/KG	29	0	680	U	-	900	U	-	890
2-NITROANILINE	UG/KG	29	0	1600	U	-	2200	U	-	2100
2-NITROPHENOL	UG/KG	29	0	680	U	-	900	U	-	890
3,3'-DICHLOROBENZIDINE	UG/KG	29	0	680	U	-	900	U	-	890
3-NITROANILINE	UG/KG	29	0	1600	U	-	2200	U	-	2100
4,6-DINITRO-2-METHYLPHENOL	UG/KG	29	0	1600	U	-	2200	U	-	2100
4-BROMOPHENYL PHENYL ETHER	UG/KG	29	0	680	U	-	900	U	-	890
4-CHLORO-3-METHYLPHENOL	UG/KG	29	0	680	U	-	900	U	-	890
4-CHLOROANILINE	UG/KG	29	0	680	U	-	900	U	-	890
4-CHLOROPHENYL PHENYL ETHER	UG/KG	29	0	680	U	-	900	U	-	890
4-METHYLPHENOL	UG/KG	29	3	220	J	18_DCMC	250	J	18_DCMC	890
4-NITROANILINE	UG/KG	29	0	1600	U	-	2200	U	-	2100
4-NITROPHENOL	UG/KG	29	0	1600	U	-	2200	U	-	2100
ACENAPHTHENE	UG/KG	29	0	680	U	-	900	U	-	890
ACENAPHTHYLENE	UG/KG	29	0	680	U	-	900	U	-	890
ANTHRACENE	UG/KG	29	0	680	U	-	900	U	-	890
BENZO(A)ANTHRACENE	UG/KG	29	0	680	U	-	900	U	-	890
BENZO(A)PYRENE	UG/KG	29	0	680	U	-	900	U	-	890
BENZO(B)FLUORANTHENE	UG/KG	29	0	680	U	-	900	U	-	890
BENZO(GHI)PERYLENE	UG/KG	29	0	680	U	-	900	U	-	890
BENZO(K)FLUORANTHENE	UG/KG	29	0	680	U	-	900	U	-	890
BENZYL BUTYL PHTHALATE	UG/KG	29	0	680	U	-	900	U	-	890
BIS(2-CHLOROETHOXY) METHANE	UG/KG	29	0	680	U	-	900	U	-	890
BIS(2-CHLOROETHYL)ETHER	UG/KG	29	0	680	U	-	900	U	-	890
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	29	0	680	U	-	900	U	-	890
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	29	1	270	J	18_BE2	270	J	18_BE2	890
CARBAZOLE	UG/KG	29	0	680	U	-	900	U	-	890
CHRYSENE	UG/KG	29	0	680	U	-	900	U	-	890
DI-N-BUTYL PHTHALATE	UG/KG	29	0	680	U	-	900	U	-	890
DI-N-OCTYL PHTHALATE	UG/KG	29	0	680	U	-	900	U	-	890
DIBENZO(A,H)ANTHRACENE	UG/KG	29	0	680	U	-	900	U	-	890
DIBENZOFURAN	UG/KG	29	0	680	U	-	900	U	-	890

Table C - 18b

Site 18: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
DIETHYL PHTHALATE	UG/KG	29	0	680	U	-	900	U	-	890
DIMETHYL PHTHALATE	UG/KG	29	0	680	U	-	900	U	-	890
FLUORANTHENE	UG/KG	29	0	680	U	-	900	U	-	890
FLUORENE	UG/KG	29	0	680	U	-	900	U	-	890
HEXACHLOROBENZENE	UG/KG	29	0	680	U	-	900	U	-	890
HEXACHLOROBUTADIENE	UG/KG	29	0	680	U	-	900	U	-	890
HEXACHLOROCYCLOPENTADIENE	UG/KG	29	0	680	U	-	900	U	-	890
HEXACHLOROETHANE	UG/KG	29	0	680	U	-	900	U	-	890
INDENO(1,2,3-CD)PYRENE	UG/KG	29	0	680	U	-	900	U	-	890
ISOPHORONE	UG/KG	29	0	680	U	-	900	U	-	890
N-NITROSODIPHENYLAMINE	UG/KG	29	0	680	U	-	900	U	-	890
N-NITROSODIPROPYLAMINE	UG/KG	29	0	680	U	-	900	U	-	890
NAPHTHALENE	UG/KG	29	0	680	U	-	900	U	-	890
NITROBENZENE	UG/KG	29	0	680	U	-	900	U	-	890
PENTACHLOROPHENOL	UG/KG	29	0	1600	U	-	2200	U	-	2100
PHENANTHRENE	UG/KG	29	0	680	U	-	900	U	-	890
PHENOL	UG/KG	29	0	680	U	-	900	U	-	890
PYRENE	UG/KG	29	0	680	U	-	900	U	-	890
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	29	0	3.35	U	-	4.95	U	-	4.4
4,4'-DDE	UG/KG	29	5	3.35	U	-	118	D	18_BE1	4.4
4,4'-DDT	UG/KG	29	6	2.67	J	18_DCBE	56		18_MC2	4.4
ALDRIN	UG/KG	29	0	1.73	U	-	2.55	U	-	2.3
ALPHA-CHLORDANE	UG/KG	29	0	1.73	U	-	2.55	U	-	2.3
BHC-ALPHA	UG/KG	29	0	1.73	U	-	2.55	U	-	2.3
BHC-BETA	UG/KG	29	0	1.73	U	-	2.55	U	-	2.3
BHC-DELTA	UG/KG	29	2	1.73	U	-	10.3		18_MC1	2.3
BHC-GAMMA(LINDANE)	UG/KG	29	0	1.73	U	-	2.55	U	-	2.3
DIELDRIN	UG/KG	29	0	3.35	U	-	4.95	U	-	4.4
ENDOSULFAN I	UG/KG	29	0	1.73	U	-	2.55	U	-	2.3
ENDOSULFAN II	UG/KG	29	0	3.35	U	-	4.95	U	-	4.4
ENDOSULFAN SULFATE	UG/KG	29	1	3.35	U	-	13.3		18_MC1	4.4
ENDRIN	UG/KG	29	0	3.35	U	-	4.95	U	-	4.4
ENDRIN ALDEHYDE	UG/KG	17	0	3.35	U	-	4.95	U	-	3.4
ENDRIN KETONE	UG/KG	29	0	3.35	U	-	4.95	U	-	4.4

Table C - 18b

Site 18: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GAMMA-CHLORDANE	UG/KG	29	0	1.73	U	-	2.55	U	-	2.3
HEPTACHLOR	UG/KG	29	0	1.73	U	-	2.55	U	-	2.3
HEPTACHLOR EPOXIDE	UG/KG	29	0	1.73	U	-	2.55	U	-	2.3
METHOXYCHLOR	UG/KG	29	0	17.3	U	-	41	U	-	22.8
PCB-1016	UG/KG	29	0	33.5	U	-	49.5	U	-	44.3
PCB-1221	UG/KG	29	0	68	U	-	100	U	-	90
PCB-1232	UG/KG	29	0	33.5	U	-	49.5	U	-	44.3
PCB-1242	UG/KG	29	0	33.5	U	-	49.5	U	-	44.3
PCB-1248	UG/KG	29	0	33.5	U	-	49.5	U	-	44.3
PCB-1254	UG/KG	29	0	33.5	U	-	49.5	U	-	44.3
PCB-1260	UG/KG	29	0	33.5	U	-	49.5	U	-	44.3
TOXAPHENE	UG/KG	29	0	173	U	-	255	U	-	228
HERBICIDES										
2,4 DICHLOROPHENOXY ACETIC ACID	UG/KG	23	0	102	U	-	135	U	-	132
2,4,5-T	UG/KG	23	0	25.4	U	-	33.7	U	-	33.1
2,4,5-TP (SILVEX)	UG/KG	23	1	25.4	U	-	54.1		18_MC2	33.1
2,4-DB	UG/KG	23	2	52.2	U	-	107		18_AC1	66.2
DALAPON	UG/KG	23	1	50.8	U	-	360		18_DCAC	66.2
DICAMBA	UG/KG	23	0	50.8	U	-	67.3	U	-	66.2
DICHLOROPROP	UG/KG	23	5	102	U	-	481	N	18_MC2	132
DINOSEB	UG/KG	23	0	25.4	U	-	33.7	U	-	33.1
MCPA	UG/KG	23	0	25400	U	-	33700	U	-	33100
MCPP	UG/KG	23	0	25400	U	-	33700	U	-	33100
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	29	0	12.7	U	-	17	U	-	16.9
TFH GASOLINE	MG/KG	29	5	0.05	U	-	16.1		18_AC2	0.0672
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	29	3	14		18_DCMC	132		18_MC2	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 19b

Site 19: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	24	24	3770		19_UGS	18400		19_1FB3	6.4
ANTIMONY	MG/KG	24	1	2.5	U	-	3.1	b	19_1FB3	2.5
ARSENIC	MG/KG	24	24	1.3	b	19_2FB2	5.1		19_2FB1	0.7
BARIUM	MG/KG	24	24	54.5		19_UGS	254		19_2FB1	0.02
BERYLLIUM	MG/KG	24	23	0.11	U	-	1.4		19_2FB1	0.1
CADMIUM	MG/KG	24	24	0.43	b	19_1FB2	2.8		19_1FB3	0.25
CALCIUM	MG/KG	24	24	1880		19_UGS	62200		19_1FB2	21.3
CHROMIUM	MG/KG	24	24	4.3		19_UGS	17.4		19_1FB3	0.76
COBALT	MG/KG	24	24	2	b	19_UGS	36.4		19_1FB3	1.2
COPPER	MG/KG	24	23	3.7	b	19_UGS	17.3		19_1FB3	0.19
IRON	MG/KG	24	24	5870		19_UGS	22500		19_1FB3	0.47
LEAD	MG/KG	24	24	1.4		19_UGS	10.2		19_2FB1	0.6
MAGNESIUM	MG/KG	24	24	2120		19_UGS	9780		19_2FB1	2.9
MANGANESE	MG/KG	24	24	78.8		19_UGS	374		19_1FB3	0.16
MERCURY	MG/KG	24	9	0.03	U	-	0.05	b	19_1FB2	0.1
NICKEL	MG/KG	24	21	2.1	b	19_UGS	18.7		19_1FB3	1.6
POTASSIUM	MG/KG	24	24	938	b	19_1FB2	6110		19_2FB1	39.3
SELENIUM	MG/KG	24	4	0.1	U	-	0.27	b	19_1FB3	0.5
SILVER	MG/KG	24	5	0.43	U	-	2.4	b	19_2FB1	0.43
SODIUM	MG/KG	24	24	154	b	19_2FB3	1200		19_1FB2	2.6
THALLIUM	MG/KG	24	14	0.14	b	19_DBS	0.44	b	19_1FB1	0.7
VANADIUM	MG/KG	24	24	14.4		19_UGS	54.2		19_1FB3	0.39
ZINC	MG/KG	24	24	20		19_UGS	69.8		19_2FB1	0.45
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	19	0	10	U	-	13	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	19	0	10	U	-	13	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	19	0	10	U	-	13	U	-	10
1,1-DICHLOROETHANE	UG/KG	19	0	10	U	-	13	U	-	10
1,1-DICHLOROETHENE	UG/KG	19	0	10	U	-	13	U	-	10
1,2-DICHLOROETHANE	UG/KG	19	0	10	U	-	13	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	19	0	10	U	-	13	U	-	10
1,2-DICHLOROPROPANE	UG/KG	19	0	10	U	-	13	U	-	10

Table C - 19b

Site 19: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	19	0	10	U	-	13	U	-	10
2-HEXANONE	UG/KG	19	0	10	U	-	13	U	-	10
4-METHYL-2-PENTANONE	UG/KG	19	0	10	U	-	13	U	-	10
ACETONE	UG/KG	19	8	6	J	19_2FB3	24		19_25B215S	10
BENZENE	UG/KG	19	0	10	U	-	13	U	-	10
BROMODICHLOROMETHANE	UG/KG	19	0	10	U	-	13	U	-	10
BROMOFORM	UG/KG	19	0	10	U	-	13	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	19	0	10	U	-	13	U	-	10
CARBON DISULFIDE	UG/KG	19	0	10	U	-	13	U	-	10
CARBON TETRACHLORIDE	UG/KG	19	0	10	U	-	13	U	-	10
CHLOROBENZENE	UG/KG	19	0	10	U	-	13	U	-	10
CHLORODIBROMOMETHANE	UG/KG	19	0	10	U	-	13	U	-	10
CHLOROETHANE	UG/KG	19	0	10	U	-	13	U	-	10
CHLOROFORM	UG/KG	19	0	10	U	-	13	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	19	0	10	U	-	13	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	19	0	10	U	-	13	U	-	10
ETHYLBENZENE	UG/KG	19	0	10	U	-	13	U	-	10
METHYLENE CHLORIDE	UG/KG	19	0	6	U	-	18	U	-	10
STYRENE	UG/KG	19	0	10	U	-	13	U	-	10
TETRACHLOROETHENE	UG/KG	19	0	10	U	-	13	U	-	10
TOLUENE	UG/KG	19	8	3	J	19_25B216S	11		19_25B215S	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	19	0	10	U	-	13	U	-	10
TRICHLOROETHYLENE	UG/KG	19	0	10	U	-	13	U	-	10
VINYL CHLORIDE	UG/KG	19	0	10	U	-	13	U	-	10
XYLENE (TOTAL)	UG/KG	19	0	10	U	-	13	U	-	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	19	0	670	U	-	830	U	-	680
1,2-DICHLOROBENZENE	UG/KG	19	0	670	U	-	830	U	-	680
1,3-DICHLOROBENZENE	UG/KG	19	0	670	U	-	830	U	-	680
1,4-DICHLOROBENZENE	UG/KG	19	0	670	U	-	830	U	-	680
2,4,5-TRICHLOROPHENOL	UG/KG	19	0	1600	U	-	2000	U	-	1600
2,4,6-TRICHLOROPHENOL	UG/KG	19	0	670	U	-	830	U	-	680
2,4-DICHLOROPHENOL	UG/KG	19	0	670	U	-	830	U	-	680

Table C - 19b

Site 19: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DIMETHYLPHENOL	UG/KG	19	0	670	U	-	830	U	-	680
2,4-DINITROPHENOL	UG/KG	19	0	1600	U	-	2000	U	-	1600
2,4-DINITROTOLUENE	UG/KG	19	0	670	U	-	830	U	-	680
2,6-DINITROTOLUENE	UG/KG	19	0	670	U	-	830	U	-	680
2-CHLORONAPHTHALENE	UG/KG	19	0	670	U	-	830	U	-	680
2-CHLOROPHENOL	UG/KG	19	0	670	U	-	830	U	-	680
2-METHYLNAPHTHALENE	UG/KG	19	4	160	J	19_1FB1	300	J	19_1FB2	680
2-METHYLPHENOL	UG/KG	19	0	670	U	-	830	U	-	680
2-NITROANILINE	UG/KG	19	0	1600	U	-	2000	U	-	1600
2-NITROPHENOL	UG/KG	19	0	670	U	-	830	U	-	680
3,3'-DICHLOROBENZIDINE	UG/KG	19	0	670	U	-	830	U	-	680
3-NITROANILINE	UG/KG	19	0	1600	U	-	2000	U	-	1600
4,6-DINITRO-2-METHYLPHENOL	UG/KG	19	0	1600	U	-	2000	U	-	1600
4-BROMOPHENYL PHENYL ETHER	UG/KG	19	0	670	U	-	830	U	-	680
4-CHLORO-3-METHYLPHENOL	UG/KG	19	0	670	U	-	830	U	-	680
4-CHLOROANILINE	UG/KG	19	0	670	U	-	830	U	-	680
4-CHLOROPHENYL PHENYL ETHER	UG/KG	19	0	670	U	-	830	U	-	680
4-METHYLPHENOL	UG/KG	19	0	670	U	-	830	U	-	680
4-NITROANILINE	UG/KG	19	0	1600	U	-	2000	U	-	1600
4-NITROPHENOL	UG/KG	19	0	1600	U	-	2000	U	-	1600
ACENAPHTHENE	UG/KG	19	5	420	J	19_1FB1	670	J	19_1FB2	680
ACENAPHTHYLENE	UG/KG	19	1	250	J	19_1FB2	250	J	19_1FB2	680
ANTHRACENE	UG/KG	19	6	310	J	19_1FB3	1100		19_1FB2	680
BENZO(A)ANTHRACENE	UG/KG	19	6	310	J	19_1FB2	1200		19_1FB2	680
BENZO(A)PYRENE	UG/KG	19	6	340	J	19_1FB2	1100		19_1FB2	680
BENZO(B)FLUORANTHENE	UG/KG	19	6	290	J	19_1FB1	1200		19_1FB2	680
BENZO(GHI)PERYLENE	UG/KG	19	6	270	J	19_1FB1	830		19_1FB2	680
BENZO(K)FLUORANTHENE	UG/KG	19	6	210	J	19_1FB2	970		19_1FB2	680
BENZYL BUTYL PHTHALATE	UG/KG	19	0	670	U	-	830	U	-	680
BIS(2-CHLOROETHOXY) METHANE	UG/KG	19	0	670	U	-	830	U	-	680
BIS(2-CHLOROETHYL)ETHER	UG/KG	19	0	670	U	-	830	U	-	680
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	19	0	670	U	-	830	U	-	680
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	19	2	670	U	-	1100		19_1FB3	680

Table C - 19b

Site 19: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
CARBAZOLE	UG/KG	19	6	250	J	19_1FB3	1300		19_1FB2	680
CHRYSENE	UG/KG	19	6	450	J	19_1FB2	1500		19_1FB2	680
DI-N-BUTYL PHTHALATE	UG/KG	19	0	670	U	-	830	U	-	680
DI-N-OCTYL PHTHALATE	UG/KG	19	0	670	U	-	830	U	-	680
DIBENZO(A,H)ANTHRACENE	UG/KG	19	3	150	J	19_1FB1	320	J	19_1FB2	680
DIBENZOFURAN	UG/KG	19	5	360	J	19_1FB1	860		19_1FB2	680
DIETHYL PHTHALATE	UG/KG	19	0	670	U	-	830	U	-	680
DIMETHYL PHTHALATE	UG/KG	19	0	670	U	-	830	U	-	680
FLUORANTHENE	UG/KG	19	7	370	J	19_1FB3	3900		19_1FB2	680
FLUORENE	UG/KG	19	6	230	J	19_1FB3	960		19_1FB2	680
HEXACHLOROBENZENE	UG/KG	19	0	670	U	-	830	U	-	680
HEXACHLOROBUTADIENE	UG/KG	19	0	670	U	-	830	U	-	680
HEXACHLOROCYCLOPENTADIENE	UG/KG	19	0	670	U	-	830	U	-	680
HEXACHLOROETHANE	UG/KG	19	0	670	U	-	830	U	-	680
INDENO(1,2,3-CD)PYRENE	UG/KG	19	6	250	J	19_1FB1	780		19_1FB2	680
ISOPHORONE	UG/KG	19	0	670	U	-	830	U	-	680
N-NITROSODIPHENYLAMINE	UG/KG	19	0	670	U	-	830	U	-	680
N-NITROSODIPROPYLAMINE	UG/KG	19	0	670	U	-	830	U	-	680
NAPHTHALENE	UG/KG	19	5	150	J	19_1FB1	280	J	19_1FB2	680
NITROBENZENE	UG/KG	19	0	670	U	-	830	U	-	680
PENTACHLOROPHENOL	UG/KG	19	0	1600	U	-	2000	U	-	1600
PHENANTHRENE	UG/KG	19	7	650	J	19_1FB3	5900		19_1FB2	680
PHENOL	UG/KG	19	0	670	U	-	830	U	-	680
PYRENE	UG/KG	19	7	260	J	19_1FB3	2700		19_1FB2	680
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	24	7	12.6	U	-	162		19_1FB1	12.8
TFH GASOLINE	MG/KG	24	6	0.05	U	-	0.49		19_1FB1	0.0515
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	23	6	20	U	-	230		19_1FB1	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 20b

Site 20: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	39	39	2070		20_DD4	22500		20_DD4	31
ANTIMONY	MG/KG	39	5	2.4	U	-	5.1	b	20_CB	12.1
ARSENIC	MG/KG	39	39	0.81	b	20_DD4	7.1		20_CB	0.6
BARIUM	MG/KG	39	39	29.2	b	20_GN1	300		20_CB	0.1
BERYLLIUM	MG/KG	39	3	0.12	U	-	0.63	b	20_GN3	0.13
CADMIUM	MG/KG	39	39	0.3	b	20_DD4	18.8		20_CB	1.2
CALCIUM	MG/KG	39	39	1550		20_GN1	25400		20_CB	103
CHROMIUM	MG/KG	39	39	2.5		20_DD4	96.8		20_CB	3.7
COBALT	MG/KG	39	39	1.6	b	20_DD5	83.3		20_GN3	5.8
COPPER	MG/KG	39	39	2.3	b	20_DD4	226		20_CB	0.9
IRON	MG/KG	39	39	3340		20_DD4	42400		20_CB	2.3
LEAD	MG/KG	39	39	1.4		20_SA3	2870		20_SA1	0.6
MAGNESIUM	MG/KG	39	39	1270		20_DD4	11100		20_DD4	14.3
MANGANESE	MG/KG	39	39	72.6		20_GN1	363		20_DD4	0.8
MERCURY	MG/KG	39	13	0.03	U	-	0.76		20_SA3	0.1
NICKEL	MG/KG	39	36	3	U	-	55.3		20_CB	7.7
POTASSIUM	MG/KG	39	39	818	b	20_GN3	6490		20_DD4	191
SELENIUM	MG/KG	39	22	0.1	U	-	10.36	b	20_DD4	0.5
SILVER	MG/KG	39	7	0.42	U	-	1.2	b	20_GN2	2.1
SODIUM	MG/KG	39	39	149	b	20_DD4	1150		20_CB	12.4
THALLIUM	MG/KG	39	21	0.14	U	-	0.35	b	20_GN3	0.7
VANADIUM	MG/KG	39	39	8.4	b	20_DD4	74.2		20_DD4	1.9
ZINC	MG/KG	39	39	15.8		20_DD4	2070		20_CB	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	37	0	10	U	-	2800	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	37	0	10	U	-	2800	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	37	0	10	U	-	2800	U	-	10
1,1-DICHLOROETHANE	UG/KG	37	0	10	U	-	2800	U	-	10
1,1-DICHLOROETHENE	UG/KG	37	0	10	U	-	2800	U	-	10
1,2-DICHLOROETHANE	UG/KG	37	0	10	U	-	2800	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	37	0	10	U	-	2800	U	-	10
1,2-DICHLOROPROPANE	UG/KG	37	0	10	U	-	2800	U	-	10

Table C - 20b

Site 20: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	37	2	3	J	20_DD4	8000		20_GN2	10
2-HEXANONE	UG/KG	37	1	10	U	-	13		20_DD5	10
4-METHYL-2-PENTANONE	UG/KG	37	0	10	U	-	2800	U	-	10
ACETONE	UG/KG	37	1	10	U	-	98		20_CB	10
BENZENE	UG/KG	37	0	10	U	-	2800	U	-	10
BROMODICHLOROMETHANE	UG/KG	37	0	10	U	-	2800	U	-	10
BROMOFORM	UG/KG	37	0	10	U	-	2800	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	37	0	10	U	-	2800	U	-	10
CARBON DISULFIDE	UG/KG	37	0	10	U	-	2800	U	-	10
CARBON TETRACHLORIDE	UG/KG	37	3	3	J	20_SA1	5	J	20_SA1	10
CHLOROBENZENE	UG/KG	37	0	10	U	-	2800	U	-	10
CHLORODIBROMOMETHANE	UG/KG	37	0	10	U	-	2800	U	-	10
CHLOROETHANE	UG/KG	37	0	10	U	-	2800	U	-	10
CHLOROFORM	UG/KG	37	0	10	U	-	2800	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	37	0	10	U	-	2800	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	37	0	10	U	-	2800	U	-	10
ETHYLBENZENE	UG/KG	37	0	10	U	-	2800	U	-	10
METHYLENE CHLORIDE	UG/KG	37	2	2	J	20_SA3	44	B	20_CB	10
STYRENE	UG/KG	37	0	10	U	-	2800	U	-	10
TETRACHLOROETHENE	UG/KG	37	0	10	U	-	2800	U	-	10
TOLUENE	UG/KG	37	10	2	J	20_SA1	12		20_DD6	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	37	0	10	U	-	2800	U	-	10
TRICHLOROETHYLENE	UG/KG	37	0	10	U	-	2800	U	-	10
VINYL CHLORIDE	UG/KG	37	0	10	U	-	2800	U	-	10
XYLENE (TOTAL)	UG/KG	37	1	10	U	-	6000		20_GN2	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	37	0	660	U	-	22000	U	-	1300
1,2-DICHLOROBENZENE	UG/KG	37	0	660	U	-	22000	U	-	1300
1,3-DICHLOROBENZENE	UG/KG	37	0	660	U	-	22000	U	-	1300
1,4-DICHLOROBENZENE	UG/KG	37	0	660	U	-	22000	U	-	1300
2,4,5-TRICHLOROPHENOL	UG/KG	37	0	1600	U	-	53000	U	-	3300
2,4,6-TRICHLOROPHENOL	UG/KG	37	0	660	U	-	22000	U	-	1300
2,4-DICHLOROPHENOL	UG/KG	37	0	660	U	-	22000	U	-	1300

Table C - 20b

Site 20: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DIMETHYLPHENOL	UG/KG	37	0	660	U	-	22000	U	-	1300
2,4-DINITROPHENOL	UG/KG	37	0	1600	U	-	53000	U	-	3300
2,4-DINITROTOLUENE	UG/KG	37	0	660	U	-	22000	U	-	1300
2,6-DINITROTOLUENE	UG/KG	37	0	660	U	-	22000	U	-	1300
2-CHLORONAPHTHALENE	UG/KG	37	0	660	U	-	22000	U	-	1300
2-CHLOROPHENOL	UG/KG	37	0	660	U	-	22000	U	-	1300
2-METHYLNAPHTHALENE	UG/KG	37	1	660	U	-	7500	J	20_GN2	1300
2-METHYLPHENOL	UG/KG	37	0	660	U	-	22000	U	-	1300
2-NITROANILINE	UG/KG	37	0	1600	U	-	53000	U	-	3300
2-NITROPHENOL	UG/KG	37	0	660	U	-	22000	U	-	1300
3,3'-DICHLOROBENZIDINE	UG/KG	37	0	660	U	-	22000	U	-	1300
3-NITROANILINE	UG/KG	37	0	1600	U	-	53000	U	-	3300
4,6-DINITRO-2-METHYLPHENOL	UG/KG	37	0	1600	U	-	53000	U	-	3300
4-BROMOPHENYL PHENYL ETHER	UG/KG	37	0	660	U	-	22000	U	-	1300
4-CHLORO-3-METHYLPHENOL	UG/KG	37	0	660	U	-	22000	U	-	1300
4-CHLOROANILINE	UG/KG	37	0	660	U	-	22000	U	-	1300
4-CHLOROPHENYL PHENYL ETHER	UG/KG	37	0	660	U	-	22000	U	-	1300
4-METHYLPHENOL	UG/KG	37	0	660	U	-	22000	U	-	1300
4-NITROANILINE	UG/KG	37	0	1600	U	-	53000	U	-	3300
4-NITROPHENOL	UG/KG	37	0	1600	U	-	53000	U	-	3300
ACENAPHTHENE	UG/KG	37	0	660	U	-	22000	U	-	1300
ACENAPHTHYLENE	UG/KG	37	0	660	U	-	22000	U	-	1300
ANTHRACENE	UG/KG	37	0	660	U	-	22000	U	-	1300
BENZO(A)ANTHRACENE	UG/KG	37	0	660	U	-	22000	U	-	1300
BENZO(A)PYRENE	UG/KG	37	1	660	U	-	790		20_SA1	1300
BENZO(B)FLUORANTHENE	UG/KG	37	0	660	U	-	22000	U	-	1300
BENZO(GHI)PERYLENE	UG/KG	37	4	660	U	-	5200	J	20_DD6	1300
BENZO(K)FLUORANTHENE	UG/KG	37	0	660	U	-	22000	U	-	1300
BENZYL BUTYL PHTHALATE	UG/KG	37	0	660	U	-	22000	U	-	1300
BIS(2-CHLOROETHOXY) METHANE	UG/KG	37	0	660	U	-	22000	U	-	1300
BIS(2-CHLOROETHYL)ETHER	UG/KG	37	0	660	U	-	22000	U	-	1300
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	37	0	660	U	-	22000	U	-	1300
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	37	5	160	J	20_SA2	84000	J	20_CB	1300

Table C - 20b

Site 20: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
CARBAZOLE	UG/KG	37	0	660	U	-	22000	U	-	1300
CHRYSENE	UG/KG	37	0	660	U	-	22000	U	-	1300
DI-N-BUTYL PHTHALATE	UG/KG	37	0	660	U	-	22000	U	-	1300
DI-N-OCTYL PHTHALATE	UG/KG	37	0	660	U	-	22000	U	-	1300
DIBENZO(A,H)ANTHRACENE	UG/KG	37	0	660	U	-	22000	U	-	1300
DIBENZOFURAN	UG/KG	37	0	660	U	-	22000	U	-	1300
DIETHYL PHTHALATE	UG/KG	37	0	660	U	-	22000	U	-	1300
DIMETHYL PHTHALATE	UG/KG	37	0	660	U	-	22000	U	-	1300
FLUORANTHENE	UG/KG	37	0	660	U	-	22000	U	-	1300
FLUORENE	UG/KG	37	0	660	U	-	22000	U	-	1300
HEXACHLOROBENZENE	UG/KG	37	0	660	U	-	22000	U	-	1300
HEXACHLOROBUTADIENE	UG/KG	37	0	660	U	-	22000	U	-	1300
HEXACHLOROCYCLOPENTADIENE	UG/KG	37	0	660	U	-	22000	U	-	1300
HEXACHLOROETHANE	UG/KG	37	0	660	U	-	22000	U	-	1300
INDENO(1,2,3-CD)PYRENE	UG/KG	37	0	660	U	-	22000	U	-	1300
ISOPHORONE	UG/KG	37	0	660	U	-	22000	U	-	1300
N-NITROSODIPHENYLAMINE	UG/KG	37	0	660	U	-	22000	U	-	1300
N-NITROSODIPROPYLAMINE	UG/KG	37	0	660	U	-	22000	U	-	1300
NAPHTHALENE	UG/KG	37	1	660	U	-	5600	J	20_GN2	1300
NITROBENZENE	UG/KG	37	0	660	U	-	22000	U	-	1300
PENTACHLOROPHENOL	UG/KG	37	0	1600	U	-	53000	U	-	3300
PHENANTHRENE	UG/KG	37	0	660	U	-	22000	U	-	1300
PHENOL	UG/KG	37	0	660	U	-	22000	U	-	1300
PYRENE	UG/KG	37	2	180	J	20_GN3	9600	J	20_DD6	1300
UNKNOWN HYDROCARBON	UG/KG	1	1	34000	J	20_CB	34000	J	20_CB	0
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	18	4	3.54	U	-	45.8	J	20_DD6	33.2
4,4'-DDE	UG/KG	18	3	3.54	U	-	76.1	J	20_DD4	33.2
4,4'-DDT	UG/KG	18	4	3.54	U	-	131	D	20_DD6	33.2
ALDRIN	UG/KG	18	0	1.7	U	-	17.1	U	-	17.1
ALPHA-CHLORDANE	UG/KG	18	0	1.7	U	-	17.1	U	-	17.1
BHC-ALPHA	UG/KG	18	1	1.7	U	-	40.6	J	20_DD6	17.1
BHC-BETA	UG/KG	18	0	1.7	U	-	17.1	U	-	17.1

Table C - 20b

Site 20: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BHC-DELTA	UG/KG	18	1	1.7	U	-	22	J	20_DD6	17.1
BHC-GAMMA(LINDANE)	UG/KG	18	0	1.7	U	-	17.1	U	-	17.1
DIELDRIN	UG/KG	18	1	3.3	U	-	5	J	20_DD5	33.2
ENDOSULFAN I	UG/KG	18	1	1.7	U	-	2.95	J	20_DD5	17.1
ENDOSULFAN II	UG/KG	18	0	3.3	U	-	33.2	U	-	33.2
ENDOSULFAN SULFATE	UG/KG	18	1	3.3	U	-	117	J	20_DD6	33.2
ENDRIN	UG/KG	18	2	3.3	U	-	27.9	J	20_DD6	33.2
ENDRIN ALDEHYDE	UG/KG	18	0	3.3	U	-	33.2	U	-	33.2
ENDRIN KETONE	UG/KG	18	2	3.3	U	-	137	J	20_DD6	33.2
GAMMA-CHLORDANE	UG/KG	18	1	1.7	U	-	23.9	J	20_DD6	17.1
HEPTACHLOR	UG/KG	18	0	1.7	U	-	17.1	U	-	17.1
HEPTACHLOR EPOXIDE	UG/KG	18	0	1.7	U	-	17.1	U	-	17.1
METHOXYCHLOR	UG/KG	18	0	17	U	-	171	U	-	171
PCB-1016	UG/KG	18	0	33	U	-	332	U	-	332
PCB-1221	UG/KG	18	0	67.1	U	-	674	U	-	674
PCB-1232	UG/KG	18	0	33	U	-	332	U	-	332
PCB-1242	UG/KG	18	0	33	U	-	332	U	-	332
PCB-1248	UG/KG	18	0	33	U	-	332	U	-	332
PCB-1254	UG/KG	18	0	33	U	-	332	U	-	332
PCB-1260	UG/KG	18	0	33	U	-	332	U	-	332
TOXAPHENE	UG/KG	18	0	170	U	-	1710	U	-	1710
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	39	16	12.5	U	-	16700		20_GN3	2590
TFH GASOLINE	MG/KG	39	20	0.05		20_DD4	423		20_GN2	0.0511
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	39	14	20	U	-	84590		20_DD6	0

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 21b

Site 21: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	11	11	3180		21_UGS	16800		21_CB	31
ANTIMONY	MG/KG	11	0	2.5	U	-	2.9	U	-	12.1
ARSENIC	MG/KG	11	11	1.6	b	21_GN2	9.9		21_CB	0.7
BARIUM	MG/KG	11	11	26.2	b	21_UGS	227		21_CB	0.1
BERYLLIUM	MG/KG	11	10	0.28	b	21_UGS	0.71	b	21_GN3	0.49
CADMIUM	MG/KG	11	11	0.49	b	21_UGS	4.1		21_CB	1.2
CALCIUM	MG/KG	11	11	1100		21_UGS	10600		21_GN1	103
CHROMIUM	MG/KG	11	11	3		21_UGS	29.1		21_CB	3.7
COBALT	MG/KG	11	11	2.9	b	21_GN3	11.5		21_CB	5.8
COPPER	MG/KG	11	11	4.7	b	21_GN3	41.4		21_CB	0.9
IRON	MG/KG	11	11	6960		21_GN2	26400		21_CB	2.3
LEAD	MG/KG	11	11	2.1		21_UGS	171		21_CB	0.6
MAGNESIUM	MG/KG	11	11	1180		21_UGS	9040		21_GN3	14.3
MANGANESE	MG/KG	11	11	95.7		21_UGS	468		21_CB	0.8
MERCURY	MG/KG	11	1	0.03	U	-	0.95		21_CB	0.1
NICKEL	MG/KG	11	11	4.2	b	21_GN3	20.4		21_CB	7.7
POTASSIUM	MG/KG	11	11	570	b	21_UGS	6550		21_CB	191
SELENIUM	MG/KG	11	1	0.1	U	-	0.17	b	21_CB	0.5
SILVER	MG/KG	11	0	0.43	U	-	0.5	U	-	2.1
SODIUM	MG/KG	11	11	235	b	21_GN1	400	b	21_CB	12.4
THALLIUM	MG/KG	11	8	0.14	U	-	0.41	b	21_GN3	0.7
VANADIUM	MG/KG	11	11	10	b	21_GN3	54.2		21_CB	1.9
ZINC	MG/KG	11	11	16.8		21_UGS	507		21_CB	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	9	0	10	U	-	52	U	-	52
1,1,2,2-TETRACHLOROETHANE	UG/KG	9	0	10	U	-	52	U	-	52
1,1,2-TRICHLOROETHANE	UG/KG	9	0	10	U	-	52	U	-	52
1,1-DICHLOROETHANE	UG/KG	9	0	10	U	-	52	U	-	52
1,1-DICHLOROETHENE	UG/KG	9	0	10	U	-	52	U	-	52
1,2-DICHLOROETHANE	UG/KG	9	0	10	U	-	52	U	-	52
1,2-DICHLOROETHENE (TOTAL)	UG/KG	9	0	10	U	-	52	U	-	52
1,2-DICHLOROPROPANE	UG/KG	9	0	10	U	-	52	U	-	52
2-BUTANONE	UG/KG	9	0	10	U	-	52	U	-	52
2-HEXANONE	UG/KG	9	0	10	U	-	52	U	-	52

Table C - 21b

Site 21: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
4-METHYL-2-PENTANONE	UG/KG	9	0	10	U	-	52	U	-	52
ACETONE	UG/KG	9	6	7	J	21_GN1	460		21_CB	52
BENZENE	UG/KG	9	0	10	U	-	52	U	-	52
BROMODICHLOROMETHANE	UG/KG	9	0	10	U	-	52	U	-	52
BROMOFORM	UG/KG	9	0	10	U	-	52	U	-	52
BROMOMETHANE (METHYL BROMIDE)	UG/KG	9	0	10	U	-	52	U	-	52
CARBON DISULFIDE	UG/KG	9	0	10	U	-	52	U	-	52
CARBON TETRACHLORIDE	UG/KG	9	0	10	U	-	52	U	-	52
CHLOROBENZENE	UG/KG	9	0	10	U	-	52	U	-	52
CHLORODIBROMOMETHANE	UG/KG	9	0	10	U	-	52	U	-	52
CHLOROETHANE	UG/KG	9	0	10	U	-	52	U	-	52
CHLOROFORM	UG/KG	9	0	10	U	-	52	U	-	52
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	9	0	10	U	-	52	U	-	52
CIS-1,3-DICHLOROPROPENE	UG/KG	9	0	10	U	-	52	U	-	52
ETHYLBENZENE	UG/KG	9	0	10	U	-	52	U	-	52
METHYLENE CHLORIDE	UG/KG	8	1	10	U	-	380	B	21_CB	52
STYRENE	UG/KG	9	0	10	U	-	52	U	-	52
TETRACHLOROETHENE	UG/KG	9	0	10	U	-	52	U	-	52
TOLUENE	UG/KG	9	6	3	J	21_GN1	27	J	21_CB	52
TRANS-1,3-DICHLOROPROPENE	UG/KG	9	0	10	U	-	52	U	-	52
TRICHLOROETHYLENE	UG/KG	9	0	10	U	-	52	U	-	52
VINYL CHLORIDE	UG/KG	9	0	10	U	-	52	U	-	52
XYLENE (TOTAL)	UG/KG	9	0	10	U	-	52	U	-	52
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	9	0	670	U	-	780	U	-	680
1,2-DICHLOROBENZENE	UG/KG	9	0	670	U	-	780	U	-	680
1,3-DICHLOROBENZENE	UG/KG	9	0	670	U	-	780	U	-	680
1,4-DICHLOROBENZENE	UG/KG	9	0	670	U	-	780	U	-	680
2,4,5-TRICHLOROPHENOL	UG/KG	9	0	1600	U	-	1900	U	-	1600
2,4,6-TRICHLOROPHENOL	UG/KG	9	0	670	U	-	780	U	-	680
2,4-DICHLOROPHENOL	UG/KG	9	0	670	U	-	780	U	-	680
2,4-DIMETHYLPHENOL	UG/KG	9	0	670	U	-	780	U	-	680
2,4-DINITROPHENOL	UG/KG	9	0	1600	U	-	1900	U	-	1600
2,4-DINITROTOLUENE	UG/KG	9	0	670	U	-	780	U	-	680
2,6-DINITROTOLUENE	UG/KG	9	0	670	U	-	780	U	-	680

Table C - 21b

Site 21: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-CHLORONAPHTHALENE	UG/KG	9	0	670	U	-	780	U	-	680
2-CHLOROPHENOL	UG/KG	9	0	670	U	-	780	U	-	680
2-METHYLNAPHTHALENE	UG/KG	9	1	150	J	21_CB	150	J	21_CB	680
2-METHYLPHENOL	UG/KG	9	0	670	U	-	780	U	-	680
2-NITROANILINE	UG/KG	9	0	1600	U	-	1900	U	-	1600
2-NITROPHENOL	UG/KG	9	0	670	U	-	780	U	-	680
3,3'-DICHLOROBENZIDINE	UG/KG	9	0	670	U	-	780	U	-	680
3-NITROANILINE	UG/KG	9	0	1600	U	-	1900	U	-	1600
4,6-DINITRO-2-METHYLPHENOL	UG/KG	9	0	1600	U	-	1900	U	-	1600
4-BROMOPHENYL PHENYL ETHER	UG/KG	9	0	670	U	-	780	U	-	680
4-CHLORO-3-METHYLPHENOL	UG/KG	9	0	670	U	-	780	U	-	680
4-CHLOROANILINE	UG/KG	9	0	670	U	-	780	U	-	680
4-CHLOROPHENYL PHENYL ETHER	UG/KG	9	0	670	U	-	780	U	-	680
4-METHYLPHENOL	UG/KG	9	0	670	U	-	780	U	-	680
4-NITROANILINE	UG/KG	9	0	1600	U	-	1900	U	-	1600
4-NITROPHENOL	UG/KG	9	0	1600	U	-	1900	U	-	1600
ACENAPHTHENE	UG/KG	9	1	670	U	-	1200		21_CB	680
ACENAPHTHYLENE	UG/KG	9	1	170	J	21_CB	170	J	21_CB	680
ANTHRACENE	UG/KG	9	1	670	U	-	1900		21_CB	680
BENZO(A)ANTHRACENE	UG/KG	9	1	670	U	-	1800		21_CB	680
BENZO(A)PYRENE	UG/KG	9	1	670	U	-	2000		21_CB	680
BENZO(B)FLUORANTHENE	UG/KG	9	1	670	U	-	2100		21_CB	680
BENZO(GHI)PERYLENE	UG/KG	9	1	670	J	21_CB	670	J	21_CB	680
BENZO(K)FLUORANTHENE	UG/KG	9	1	670	U	-	2000		21_CB	680
BENZYL BUTYL PHTHALATE	UG/KG	9	1	180	J	21_CB	180	J	21_CB	680
BIS(2-CHLOROETHOXY) METHANE	UG/KG	9	0	670	U	-	780	U	-	680
BIS(2-CHLOROETHYL)ETHER	UG/KG	9	0	670	U	-	780	U	-	680
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	9	0	670	U	-	780	U	-	680
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	9	1	670	U	-	1300		21_CB	680
CARBAZOLE	UG/KG	9	1	670	U	-	2800		21_CB	680
CHRYSENE	UG/KG	9	1	670	U	-	3100		21_CB	680
DI-N-BUTYL PHTHALATE	UG/KG	9	0	670	U	-	780	U	-	680
DI-N-OCTYL PHTHALATE	UG/KG	9	0	670	U	-	780	U	-	680
DIBENZO(A,H)ANTHRACENE	UG/KG	9	1	570	J	21_CB	570	J	21_CB	680
DIBENZOFURAN	UG/KG	9	1	490	J	21_CB	490	J	21_CB	680

Table C - 21b

Site 21: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
DIETHYL PHTHALATE	UG/KG	9	0	670	U	-	780	U	-	680
DIMETHYL PHTHALATE	UG/KG	9	0	670	U	-	780	U	-	680
FLUORANTHENE	UG/KG	9	1	670	U	-	10000		21_CB	680
FLUORENE	UG/KG	9	1	670	U	-	1300		21_CB	680
HEXACHLOROBENZENE	UG/KG	9	0	670	U	-	780	U	-	680
HEXACHLOROBUTADIENE	UG/KG	9	0	670	U	-	780	U	-	680
HEXACHLOROCYCLOPENTADIENE	UG/KG	9	0	670	U	-	780	U	-	680
HEXACHLOROETHANE	UG/KG	9	0	670	U	-	780	U	-	680
INDENO(1,2,3-CD)PYRENE	UG/KG	9	1	670	U	-	1100		21_CB	680
ISOPHORONE	UG/KG	9	0	670	U	-	780	U	-	680
N-NITROSODIPHENYLAMINE	UG/KG	9	0	670	U	-	780	U	-	680
N-NITROSODIPROPYLAMINE	UG/KG	9	0	670	U	-	780	U	-	680
NAPHTHALENE	UG/KG	9	0	670	U	-	780	U	-	680
NITROBENZENE	UG/KG	9	0	670	U	-	780	U	-	680
PENTACHLOROPHENOL	UG/KG	9	0	1600	U	-	1900	U	-	1600
PHENANTHRENE	UG/KG	9	1	670	U	-	14000		21_CB	680
PHENOL	UG/KG	9	0	670	U	-	780	U	-	680
PYRENE	UG/KG	9	1	670	U	-	6200		21_CB	680
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	9	5	1.13		21_GN1	109	D	21_CB	3.4
4,4'-DDE	UG/KG	9	3	3.36	U	-	109	D	21_CB	3.4
4,4'-DDT	UG/KG	9	5	3.58	U	-	557	D	21_CB	3.4
ALDRIN	UG/KG	9	0	1.73	U	-	2	U	-	1.8
ALPHA-CHLORDANE	UG/KG	9	1	1.73	U	-	5.97		21_CB	1.8
BHC-ALPHA	UG/KG	9	0	1.73	U	-	2	U	-	1.8
BHC-BETA	UG/KG	9	0	1.73	U	-	2	U	-	1.8
BHC-DELTA	UG/KG	9	0	1.73	U	-	2	U	-	1.8
BHC-GAMMA(LINDANE)	UG/KG	9	1	0.14		21_GN3	0.14		21_GN3	1.8
DIELDRIN	UG/KG	9	1	3.36	U	-	10.6		21_CB	3.4
ENDOSULFAN I	UG/KG	9	0	1.73	U	-	2	U	-	1.8
ENDOSULFAN II	UG/KG	9	1	3.36	U	-	8.27		21_CB	3.4
ENDOSULFAN SULFATE	UG/KG	9	1	3.36	U	-	10.8		21_CB	3.4
ENDRIN	UG/KG	9	1	3.36	U	-	22.3		21_CB	3.4
ENDRIN ALDEHYDE	UG/KG	8	0	3.36	U	-	3.88	U	-	3.4
ENDRIN KETONE	UG/KG	9	1	3.36	U	-	4.87		21_CB	3.4

Table C - 21b

Site 21: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GAMMA-CHLORDANE	UG/KG	9	3	0.22		21_GN3	7.75		21_CB	1.8
HEPTACHLOR	UG/KG	9	0	1.73	U	-	2	U	-	1.8
HEPTACHLOR EPOXIDE	UG/KG	9	0	1.73	U	-	2	U	-	1.8
METHOXYCHLOR	UG/KG	9	1	6.31		21_CB	6.31		21_CB	17.5
PCB-1016	UG/KG	9	0	33.6	U	-	38.8	U	-	34
PCB-1221	UG/KG	9	0	68.2	U	-	78.9	U	-	69.1
PCB-1232	UG/KG	9	0	33.6	U	-	38.8	U	-	34
PCB-1242	UG/KG	9	0	33.6	U	-	38.8	U	-	34
PCB-1248	UG/KG	9	0	33.6	U	-	38.8	U	-	34
PCB-1254	UG/KG	9	0	33.6	U	-	38.8	U	-	34
PCB-1260	UG/KG	9	0	33.6	U	-	38.8	U	-	34
TOXAPHENE	UG/KG	9	0	173	U	-	200	U	-	175
HERBICIDES										
2,4 DICHLOROPHENOXY ACETIC ACID	UG/KG	8	0	102	U	-	118	U	-	102
2,4,5-T	UG/KG	8	1	25.4	U	-	67.3		21_GN2	25.4
2,4,5-TP (SILVEX)	UG/KG	8	0	25.4	U	-	29.5	U	-	25.4
2,4-DB	UG/KG	8	0	50.8	U	-	59	U	-	50.8
DALAPON	UG/KG	8	5	51.1	U	-	707		21_GN1	50.8
DICAMBA	UG/KG	8	0	50.8	U	-	59	U	-	50.8
DICHLOROPROP	UG/KG	8	0	102	U	-	118	U	-	102
DINOSEB	UG/KG	8	0	25.4	U	-	29.5	U	-	25.4
MCPA	UG/KG	8	0	25400	U	-	29500	U	-	25400
MCPP	UG/KG	8	0	25400	U	-	29500	U	-	25400
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	11	2	12.7	U	-	192		21_CB	13.1
TFH GASOLINE	MG/KG	11	3	0.05	U	-	0.17		21_CB	0.0516
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	11	3	20	U	-	2556		21_UGS	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 22b

Site 22: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
METALS										
ALUMINUM	MG/KG	14	14	5170		22_2FB3	18000		22_2FB3	31
ANTIMONY	MG/KG	14	1	2.5	U	-	3	b	22_2FB3	12.1
ARSENIC	MG/KG	14	14	1.8	b	22_2FB3	5		22_1FB2	0.7
BARIUM	MG/KG	14	14	57		22_2FB3	178		22_2FB2	0.1
BERYLLIUM	MG/KG	14	6	0.15	b	22_2FB3	0.66	b	22_2FB3	0.41
CADMIUM	MG/KG	14	14	0.46	b	22_2FB1	1.7		22_2FB1	1.2
CALCIUM	MG/KG	14	14	3470		22_2FB1	48200		22_1FB3	103
CHROMIUM	MG/KG	14	14	4.4		22_2FB3	15.7		22_2FB3	3.7
COBALT	MG/KG	14	14	3.1	b	22_1FB2	13.6		22_2FB3	5.8
COPPER	MG/KG	14	14	3.5	b	22_2FB1	11.7		22_2FB1	0.9
IRON	MG/KG	14	14	5700		22_2FB3	18800		22_2FB3	2.3
LEAD	MG/KG	14	14	2.6		22_2FB2	39.6		22_1FB1	0.6
MAGNESIUM	MG/KG	14	14	2270		22_2FB3	15200		22_1FB2	14.3
MANGANESE	MG/KG	14	14	94.5		22_2FB3	797		22_1FB2	0.8
MERCURY	MG/KG	14	1	0.03	U	-	0.11		22_2FB1	0.1
NICKEL	MG/KG	14	14	4.2	b	22_2FB3	11.8		22_2FB3	7.7
POTASSIUM	MG/KG	14	14	1150		22_2FB3	4790		22_2FB1	191
SELENIUM	MG/KG	14	1	0.1	U	-	0.19	b	22_1FB3	0.5
SILVER	MG/KG	14	0	0.43	U	-	0.51	U	-	2.1
SODIUM	MG/KG	14	14	254	b	22_2FB1	822	b	22_1FB3	12.4
THALLIUM	MG/KG	14	3	0.14	U	-	0.38	b	22_2FB3	0.7
VANADIUM	MG/KG	14	14	12.7		22_2FB3	47.8		22_2FB3	1.9
ZINC	MG/KG	14	14	17.7		22_2FB3	58		22_2FB2	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	17	0	10	U	-	60	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	17	0	10	U	-	60	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	17	0	10	U	-	60	U	-	10
1,1-DICHLOROETHANE	UG/KG	17	0	10	U	-	60	U	-	10
1,1-DICHLOROETHENE	UG/KG	17	0	10	U	-	60	U	-	10
1,2-DICHLOROETHANE	UG/KG	17	0	10	U	-	60	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	17	0	10	U	-	60	U	-	10
1,2-DICHLOROPROPANE	UG/KG	17	0	10	U	-	60	U	-	10

Table C - 22b

Site 22: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	17	1	5	J	22_2FB1	5	J	22_2FB1	10
2-HEXANONE	UG/KG	17	2	4	J	22_1FB3	4	J	22_1FB3	10
4-METHYL-2-PENTANONE	UG/KG	17	0	10	U	-	60	U	-	10
ACETONE	UG/KG	17	7	11	U	-	31		22_1FB3	10
BENZENE	UG/KG	17	0	10	U	-	60	U	-	10
BROMODICHLOROMETHANE	UG/KG	17	0	10	U	-	60	U	-	10
BROMOFORM	UG/KG	17	0	10	U	-	60	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	17	0	10	U	-	60	U	-	10
CARBON DISULFIDE	UG/KG	17	0	10	U	-	60	U	-	10
CARBON TETRACHLORIDE	UG/KG	17	0	10	U	-	60	U	-	10
CHLOROBENZENE	UG/KG	17	0	10	U	-	60	U	-	10
CHLORODIBROMOMETHANE	UG/KG	17	0	10	U	-	60	U	-	10
CHLOROETHANE	UG/KG	17	0	10	U	-	60	U	-	10
CHLOROFORM	UG/KG	17	0	10	U	-	60	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	17	0	10	U	-	60	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	17	0	10	U	-	60	U	-	10
ETHYLBENZENE	UG/KG	17	0	10	U	-	60	U	-	10
METHYLENE CHLORIDE	UG/KG	17	0	8	U	-	140	U	-	10
STYRENE	UG/KG	17	0	10	U	-	60	U	-	10
TETRACHLOROETHENE	UG/KG	17	0	10	U	-	60	U	-	10
TOLUENE	UG/KG	17	7	2	J	22_1FB1	9	J	22_2FB1	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	17	0	10	U	-	60	U	-	10
TRICHLOROETHYLENE	UG/KG	17	0	10	U	-	60	U	-	10
VINYL CHLORIDE	UG/KG	17	0	10	U	-	60	U	-	10
XYLENE (TOTAL)	UG/KG	17	0	10	U	-	60	U	-	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	19	0	680	U	-	23000	U	-	680
1,2-DICHLOROBENZENE	UG/KG	19	0	680	U	-	23000	U	-	680
1,3-DICHLOROBENZENE	UG/KG	19	0	680	U	-	23000	U	-	680
1,4-DICHLOROBENZENE	UG/KG	19	0	680	U	-	23000	U	-	680
2,4,5-TRICHLOROPHENOL	UG/KG	19	0	1600	U	-	56000	U	-	1700
2,4,6-TRICHLOROPHENOL	UG/KG	19	0	680	U	-	23000	U	-	680
2,4-DICHLOROPHENOL	UG/KG	19	0	680	U	-	23000	U	-	680

Table C - 22b

Site 22: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DIMETHYLPHENOL	UG/KG	19	0	680	U	-	23000	U	-	680
2,4-DINITROPHENOL	UG/KG	19	0	1600	U	-	56000	U	-	1700
2,4-DINITROTOLUENE	UG/KG	19	0	680	U	-	23000	U	-	680
2,6-DINITROTOLUENE	UG/KG	19	0	680	U	-	23000	U	-	680
2-CHLORONAPHTHALENE	UG/KG	19	0	680	U	-	23000	U	-	680
2-CHLOROPHENOL	UG/KG	19	0	680	U	-	23000	U	-	680
2-METHYLNAPHTHALENE	UG/KG	19	2	680	U	-	29000		22_2FB3	680
2-METHYLPHENOL	UG/KG	19	0	680	U	-	23000	U	-	680
2-NITROANILINE	UG/KG	19	0	1600	U	-	56000	U	-	1700
2-NITROPHENOL	UG/KG	19	0	680	U	-	23000	U	-	680
3,3'-DICHLOROBENZIDINE	UG/KG	19	0	680	U	-	23000	U	-	680
3-NITROANILINE	UG/KG	19	0	1600	U	-	56000	U	-	1700
4,6-DINITRO-2-METHYLPHENOL	UG/KG	19	0	1600	U	-	56000	U	-	1700
4-BROMOPHENYL PHENYL ETHER	UG/KG	19	0	680	U	-	23000	U	-	680
4-CHLORO-3-METHYLPHENOL	UG/KG	19	0	680	U	-	23000	U	-	680
4-CHLOROANILINE	UG/KG	19	0	680	U	-	23000	U	-	680
4-CHLOROPHENYL PHENYL ETHER	UG/KG	19	0	680	U	-	23000	U	-	680
4-METHYLPHENOL	UG/KG	19	0	680	U	-	23000	U	-	680
4-NITROANILINE	UG/KG	19	0	1600	U	-	56000	U	-	1700
4-NITROPHENOL	UG/KG	19	0	1600	U	-	56000	U	-	1700
ACENAPHTHENE	UG/KG	19	0	680	U	-	23000	U	-	680
ACENAPHTHYLENE	UG/KG	19	0	680	U	-	23000	U	-	680
ANTHRACENE	UG/KG	19	0	680	U	-	23000	U	-	680
BENZO(A)ANTHRACENE	UG/KG	19	1	390	J	22_1FB3	390	J	22_1FB3	680
BENZO(A)PYRENE	UG/KG	19	1	320	J	22_1FB3	320	J	22_1FB3	680
BENZO(B)FLUORANTHENE	UG/KG	19	1	370	J	22_1FB3	370	J	22_1FB3	680
BENZO(GHI)PERYLENE	UG/KG	19	0	680	U	-	23000	U	-	680
BENZO(K)FLUORANTHENE	UG/KG	19	1	240	J	22_1FB3	240	J	22_1FB3	680
BENZYL BUTYL PHTHALATE	UG/KG	19	0	680	U	-	23000	U	-	680
BIS(2-CHLOROETHOXY) METHANE	UG/KG	19	0	680	U	-	23000	U	-	680
BIS(2-CHLOROETHYL)ETHER	UG/KG	19	0	680	U	-	23000	U	-	680
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	19	0	680	U	-	23000	U	-	680
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	19	1	150	J	22_1FB2	150	J	22_1FB2	680

Table C - 22b

Site 22: Summary of Analytes and Minimum / Maximum Concentrations
Surface/Near-Surface Soil and Sediment

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
CARBAZOLE	UG/KG	19	1	170	J	22_1FB3	170	J	22_1FB3	680
CHRYSENE	UG/KG	19	1	400	J	22_1FB3	400	J	22_1FB3	680
DI-N-BUTYL PHTHALATE	UG/KG	19	0	680	U	-	23000	U	-	680
DI-N-OCTYL PHTHALATE	UG/KG	19	0	680	U	-	23000	U	-	680
DIBENZO(A,H)ANTHRACENE	UG/KG	19	0	680	U	-	23000	U	-	680
DIBENZOFURAN	UG/KG	19	0	680	U	-	23000	U	-	680
DIETHYL PHTHALATE	UG/KG	19	0	680	U	-	23000	U	-	680
DIMETHYL PHTHALATE	UG/KG	19	0	680	U	-	23000	U	-	680
FLUORANTHENE	UG/KG	19	2	140	J	22_1FB3	1200		22_1FB3	680
FLUORENE	UG/KG	19	0	680	U	-	23000	U	-	680
HEXACHLOROBENZENE	UG/KG	19	0	680	U	-	23000	U	-	680
HEXACHLOROBUTADIENE	UG/KG	19	0	680	U	-	23000	U	-	680
HEXACHLOROCYCLOPENTADIENE	UG/KG	19	0	680	U	-	23000	U	-	680
HEXACHLOROETHANE	UG/KG	19	0	680	U	-	23000	U	-	680
INDENO(1,2,3-CD)PYRENE	UG/KG	19	1	200	J	22_1FB3	200	J	22_1FB3	680
ISOPHORONE	UG/KG	19	1	680	U	-	7100	J	22_2FB3	680
N-NITROSODIPHENYLAMINE	UG/KG	19	0	680	U	-	23000	U	-	680
N-NITROSODIPROPYLAMINE	UG/KG	19	0	680	U	-	23000	U	-	680
NAPHTHALENE	UG/KG	19	1	680	U	-	5400	J	22_2FB3	680
NITROBENZENE	UG/KG	19	0	680	U	-	23000	U	-	680
PENTACHLOROPHENOL	UG/KG	19	0	1600	U	-	56000	U	-	1700
PHENANTHRENE	UG/KG	19	1	680	U	-	1000		22_1FB3	680
PHENOL	UG/KG	19	0	680	U	-	23000	U	-	680
PYRENE	UG/KG	19	2	140	J	22_1FB3	850		22_1FB3	680
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	2	0	3.48	U	-	3.81	U	-	3.5
4,4'-DDE	UG/KG	2	0	3.48	U	-	3.81	U	-	3.5
4,4'-DDT	UG/KG	2	0	3.48	U	-	3.81	U	-	3.5
ALDRIN	UG/KG	2	0	1.79	U	-	1.96	U	-	1.8
ALPHA-CHLORDANE	UG/KG	2	0	1.79	U	-	1.96	U	-	1.8
BHC-ALPHA	UG/KG	2	0	1.79	U	-	1.96	U	-	1.8
BHC-BETA	UG/KG	2	0	1.79	U	-	1.96	U	-	1.8
BHC-DELTA	UG/KG	2	0	1.79	U	-	1.96	U	-	1.8

Table C - 22b

Site 22: Summary of Analytes and Minimum / Maximum Concentrations Surface/Near-Surface Soil and Sediment

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BHC-GAMMA(LINDANE)	UG/KG	2	0	1.79	U	-	1.96	U	-	1.8
DIELDRIN	UG/KG	2	0	3.48	U	-	3.81	U	-	3.5
ENDOSULFAN I	UG/KG	2	0	1.79	U	-	1.96	U	-	1.8
ENDOSULFAN II	UG/KG	2	0	3.48	U	-	3.81	U	-	3.5
ENDOSULFAN SULFATE	UG/KG	2	0	3.48	U	-	3.81	U	-	3.5
ENDRIN	UG/KG	2	0	3.48	U	-	3.81	U	-	3.5
ENDRIN ALDEHYDE	UG/KG	2	0	3.48	U	-	3.81	U	-	3.5
ENDRIN KETONE	UG/KG	2	0	3.48	U	-	3.81	U	-	3.5
GAMMA-CHLORDANE	UG/KG	2	0	1.79	U	-	1.96	U	-	1.8
HEPTACHLOR	UG/KG	2	0	1.79	U	-	1.96	U	-	1.8
HEPTACHLOR EPOXIDE	UG/KG	2	0	1.79	U	-	1.96	U	-	1.8
METHOXYCHLOR	UG/KG	2	0	17.9	U	-	19.6	U	-	17.9
PCB-1016	UG/KG	2	0	34.8	U	-	38.1	U	-	34.8
PCB-1221	UG/KG	2	0	70.7	U	-	77.4	U	-	70.7
PCB-1232	UG/KG	2	0	34.8	U	-	38.1	U	-	34.8
PCB-1242	UG/KG	2	0	34.8	U	-	38.1	U	-	34.8
PCB-1248	UG/KG	2	0	34.8	U	-	38.1	U	-	34.8
PCB-1254	UG/KG	2	0	34.8	U	-	38.1	U	-	34.8
PCB-1260	UG/KG	2	0	34.8	U	-	38.1	U	-	34.8
TOXAPHENE	UG/KG	2	0	179	U	-	196	U	-	179
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	17	10	0.19		22_1FB1	9140		22_2FB3	12.9
TFH GASOLINE	MG/KG	17	10	0.05	U	-	916		22_2FB3	0.0518
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	17	11	20	U	-	4666		22_2FB3	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 1c

Site 1: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KGW	3	1	100	U	-	104		01_DGMW57	100
METALS										
ALUMINUM	MG/KG	2	2	4160		01_DGMW58	5950		01_DGMW57	31
ANTIMONY	MG/KG	2	0	2.8	U	-	3.1	U	-	12.1
ARSENIC	MG/KG	2	2	2.7		01_DGMW57	3.4		01_DGMW58	2.7
BARIUM	MG/KG	2	2	36.3	b	01_DGMW58	80.3		01_DGMW57	0.1
BERYLLIUM	MG/KG	2	0	0.24	U	-	0.6	U	-	0.6
CADMIUM	MG/KG	2	2	1.4		01_DGMW58	1.8		01_DGMW57	1.2
CALCIUM	MG/KG	2	2	8650		01_DGMW58	10300		01_DGMW57	103
CHROMIUM	MG/KG	2	2	8.2		01_DGMW58	10.8		01_DGMW57	3.7
COBALT	MG/KG	2	2	2.2	b	01_DGMW58	3.4	b	01_DGMW57	5.8
COPPER	MG/KG	2	2	3.5	b	01_DGMW58	6.6		01_DGMW57	0.9
IRON	MG/KG	2	2	6410		01_DGMW58	8840		01_DGMW57	2.3
LEAD	MG/KG	2	2	1.6		01_DGMW58	2.4		01_DGMW57	0.6
MAGNESIUM	MG/KG	2	2	1750		01_DGMW58	5040		01_DGMW57	14.3
MANGANESE	MG/KG	2	2	95.9		01_DGMW58	165		01_DGMW57	0.8
MERCURY	MG/KG	2	0	0.03	U	-	0.04	U	-	0.1
NICKEL	MG/KG	2	2	9.7		01_DGMW58	12.8		01_DGMW57	7.7
POTASSIUM	MG/KG	2	2	820	b	01_DGMW58	2020		01_DGMW57	191
SELENIUM	MG/KG	2	0	0.12	U	-	0.23	U	-	0.23
SILVER	MG/KG	2	0	0.49	U	-	0.54	U	-	2.1
SODIUM	MG/KG	2	2	226	b	01_DGMW58	235	b	01_DGMW57	12.4
THALLIUM	MG/KG	2	0	0.16	U	-	0.18	U	-	0.7
VANADIUM	MG/KG	2	2	15.7		01_DGMW58	20.7		01_DGMW57	1.9
ZINC	MG/KG	2	2	27.2		01_DGMW58	30.7		01_DGMW57	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	5	0	11	U	-	13	U	-	12
1,1,2,2-TETRACHLOROETHANE	UG/KG	5	0	11	U	-	13	U	-	12
1,1,2-TRICHLOROETHANE	UG/KG	5	0	11	U	-	13	U	-	12
1,1-DICHLOROETHANE	UG/KG	5	0	11	U	-	13	U	-	12
1,1-DICHLOROETHENE	UG/KG	5	0	11	U	-	13	U	-	12
1,2-DICHLOROETHANE	UG/KG	5	0	11	U	-	13	U	-	12
1,2-DICHLOROETHENE (TOTAL)	UG/KG	5	0	11	U	-	13	U	-	12
1,2-DICHLOROPROPANE	UG/KG	5	0	11	U	-	13	U	-	12

Table C - 1c

Site 1: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	5	4	2	J	01_DGMW57	4	J	01_DGMW58	12
2-HEXANONE	UG/KG	5	0	11	U	-	13	U	-	12
4-METHYL-2-PENTANONE	UG/KG	5	0	11	U	-	13	U	-	12
ACETONE	UG/KG	5	0	11	U	-	24	U	-	12
BENZENE	UG/KG	5	0	11	U	-	13	U	-	12
BROMODICHLOROMETHANE	UG/KG	5	0	11	U	-	13	U	-	12
BROMOFORM	UG/KG	5	0	11	U	-	13	U	-	12
BROMOMETHANE (METHYL BROMIDE)	UG/KG	5	0	11	U	-	13	U	-	12
CARBON DISULFIDE	UG/KG	5	0	11	U	-	13	U	-	12
CARBON TETRACHLORIDE	UG/KG	5	0	11	U	-	13	U	-	12
CHLOROBENZENE	UG/KG	5	0	11	U	-	13	U	-	12
CHLORODIBROMOMETHANE	UG/KG	5	0	11	U	-	13	U	-	12
CHLOROETHANE	UG/KG	5	0	11	U	-	13	U	-	12
CHLOROFORM	UG/KG	5	0	11	U	-	13	U	-	12
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	5	0	11	U	-	13	U	-	12
CIS-1,3-DICHLOROPROPENE	UG/KG	5	0	11	U	-	13	U	-	12
ETHYLBENZENE	UG/KG	5	0	11	U	-	13	U	-	12
METHYLENE CHLORIDE	UG/KG	5	0	11	U	-	28	U	-	12
STYRENE	UG/KG	5	0	11	U	-	13	U	-	12
TETRACHLOROETHENE	UG/KG	5	0	11	U	-	13	U	-	12
TOLUENE	UG/KG	5	0	11	U	-	13	U	-	12
TRANS-1,3-DICHLOROPROPENE	UG/KG	5	0	11	U	-	13	U	-	12
TRICHLOROETHYLENE	UG/KG	5	0	11	U	-	13	U	-	12
VINYL CHLORIDE	UG/KG	5	0	11	U	-	13	U	-	12
XYLENE (TOTAL)	UG/KG	5	0	11	U	-	13	U	-	12
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	2	0	770	U	-	840	U	-	770
1,2-DICHLOROBENZENE	UG/KG	2	0	770	U	-	840	U	-	770
1,3-DICHLOROBENZENE	UG/KG	2	0	770	U	-	840	U	-	770
1,4-DICHLOROBENZENE	UG/KG	2	0	770	U	-	840	U	-	770
2,4,5-TRICHLOROPHENOL	UG/KG	2	0	1900	U	-	2000	U	-	1900
2,4,6-TRICHLOROPHENOL	UG/KG	2	0	770	U	-	840	U	-	770
2,4-DICHLOROPHENOL	UG/KG	2	0	770	U	-	840	U	-	770
2,4-DIMETHYLPHENOL	UG/KG	2	0	770	U	-	840	U	-	770
2,4-DINITROPHENOL	UG/KG	2	0	1900	U	-	2000	U	-	1900

Table C - 1c

Site 1: Summary of Analytes and Minimum / Maximum Concentrations *in Vadose Zone (Subsurface) Samples*

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DINITROTOLUENE	UG/KG	2	0	770	U	-	840	U	-	770
2,6-DINITROTOLUENE	UG/KG	2	0	770	U	-	840	U	-	770
2-CHLORONAPHTHALENE	UG/KG	2	0	770	U	-	840	U	-	770
2-CHLOROPHENOL	UG/KG	2	0	770	U	-	840	U	-	770
2-METHYLNAPHTHALENE	UG/KG	2	0	770	U	-	840	U	-	770
2-METHYLPHENOL	UG/KG	2	0	770	U	-	840	U	-	770
2-NITROANILINE	UG/KG	2	0	1900	U	-	2000	U	-	1900
2-NITROPHENOL	UG/KG	2	0	770	U	-	840	U	-	770
3,3'-DICHLOROBENZIDINE	UG/KG	2	0	770	U	-	840	U	-	770
3-NITROANILINE	UG/KG	2	0	1900	U	-	2000	U	-	1900
4,6-DINITRO-2-METHYLPHENOL	UG/KG	2	0	1900	U	-	2000	U	-	1900
4-BROMOPHENYL PHENYL ETHER	UG/KG	2	0	770	U	-	840	U	-	770
4-CHLORO-3-METHYLPHENOL	UG/KG	2	0	770	U	-	840	U	-	770
4-CHLOROANILINE	UG/KG	2	0	770	U	-	840	U	-	770
4-CHLOROPHENYL PHENYL ETHER	UG/KG	2	0	770	U	-	840	U	-	770
4-METHYLPHENOL	UG/KG	2	0	770	U	-	840	U	-	770
4-NITROANILINE	UG/KG	2	0	1900	U	-	2000	U	-	1900
4-NITROPHENOL	UG/KG	2	0	1900	U	-	2000	U	-	1900
ACENAPHTHENE	UG/KG	2	0	770	U	-	840	U	-	770
ACENAPHTHYLENE	UG/KG	2	0	770	U	-	840	U	-	770
ANTHRACENE	UG/KG	2	0	770	U	-	840	U	-	770
BENZO(A)ANTHRACENE	UG/KG	2	0	770	U	-	840	U	-	770
BENZO(A)PYRENE	UG/KG	2	0	770	U	-	840	U	-	770
BENZO(B)FLUORANTHENE	UG/KG	2	0	770	U	-	840	U	-	770
BENZO(GHI)PERYLENE	UG/KG	2	0	770	U	-	840	U	-	770
BENZO(K)FLUORANTHENE	UG/KG	2	0	770	U	-	840	U	-	770
BENZYL BUTYL PHTHALATE	UG/KG	2	0	770	U	-	840	U	-	770
BIS(2-CHLOROETHOXY) METHANE	UG/KG	2	0	770	U	-	840	U	-	770
BIS(2-CHLOROETHYL)ETHER	UG/KG	2	0	770	U	-	840	U	-	770
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	2	0	770	U	-	840	U	-	770
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	2	0	770	U	-	840	U	-	770
CARBAZOLE	UG/KG	2	0	770	U	-	840	U	-	770
CHRYSENE	UG/KG	2	0	770	U	-	840	U	-	770
DI-N-BUTYL PHTHALATE	UG/KG	2	0	770	U	-	840	U	-	770
DI-N-OCTYL PHTHALATE	UG/KG	2	0	770	U	-	840	U	-	770

Table C - 1c

Site 1: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
DIBENZO(A,H)ANTHRACENE	UG/KG	2	0	770	U	-	840	U	-	770
DIBENZOFURAN	UG/KG	2	0	770	U	-	840	U	-	770
DIETHYL PHTHALATE	UG/KG	2	0	770	U	-	840	U	-	770
DIMETHYL PHTHALATE	UG/KG	2	0	770	U	-	840	U	-	770
FLUORANTHENE	UG/KG	2	0	770	U	-	840	U	-	770
FLUORENE	UG/KG	2	0	770	U	-	840	U	-	770
HEXACHLOROBENZENE	UG/KG	2	0	770	U	-	840	U	-	770
HEXACHLOROBUTADIENE	UG/KG	2	0	770	U	-	840	U	-	770
HEXACHLOROCYCLOPENTADIENE	UG/KG	2	0	770	U	-	840	U	-	770
HEXACHLOROETHANE	UG/KG	2	0	770	U	-	840	U	-	770
INDENO(1,2,3-CD)PYRENE	UG/KG	2	0	770	U	-	840	U	-	770
ISOPHORONE	UG/KG	2	0	770	U	-	840	U	-	770
N-NITROSODIPHENYLAMINE	UG/KG	2	0	770	U	-	840	U	-	770
N-NITROSODIPROPYLAMINE	UG/KG	2	0	770	U	-	840	U	-	770
NAPHTHALENE	UG/KG	2	0	770	U	-	840	U	-	770
NITROBENZENE	UG/KG	2	0	770	U	-	840	U	-	770
PENTACHLOROPHENOL	UG/KG	2	0	1900	U	-	2000	U	-	1900
PHENANTHRENE	UG/KG	2	0	770	U	-	840	U	-	770
PHENOL	UG/KG	2	0	770	U	-	840	U	-	770
PYRENE	UG/KG	2	0	770	U	-	840	U	-	770
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	2	0	14.3	U	-	16.1	U	-	14.3
TFH GASOLINE	MG/KG	2	0	0.06	U	-	0.06	U	-	0.058
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	2	0	20	U	-	20	U	-	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 2c

Site 2: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KGW	3	3	103		02_DGMW60	191		02_DGMW61	100
TOTAL ORGANIC CARBON	MG/KG	1	0	100	U	-	100	U	-	100
METALS										
ALUMINUM	MG/KG	13	13	900		02_S&DB200	34600		02_DGMW60	6.5
ANTIMONY	MG/KG	13	1	2.5	U	-	3.1	b	02_S&DB200	2.5
ARSENIC	MG/KG	13	11	0.51	U	-	3.6		02_S&DB200	0.7
BARIUM	MG/KG	13	13	13.3	b	02_S&DB200	150		02_DGMW61	0.02
BERYLLIUM	MG/KG	13	4	0.1	U	-	2.1		02_DGMW60	0.1
CADMIUM	MG/KG	13	12	0.25	U	-	1.8		02_DGMW60	0.25
CALCIUM	MG/KG	13	13	1530		02_S&DB200	9700		02_S&DB200	21.5
CHROMIUM	MG/KG	13	10	0.76	U	-	43.3		02_DGMW60	0.77
COBALT	MG/KG	13	10	1.2	U	-	14.3		02_DGMW60	1.2
COPPER	MG/KG	13	12	1.2	U	-	22		02_DGMW60	0.19
IRON	MG/KG	13	13	1350		02_S&DB200	50400		02_DGMW60	0.48
LEAD	MG/KG	13	13	0.39	b	02_S&DB200	7.8		02_DGMW60	0.6
MAGNESIUM	MG/KG	13	13	640	b	02_S&DB200	21100		02_DGMW60	3
MANGANESE	MG/KG	13	13	35.4		02_S&DB200	483		02_DGMW60	0.17
MERCURY	MG/KG	13	0	0.03	U	-	0.04	U	-	0.1
NICKEL	MG/KG	13	11	1.6	U	-	20.3		02_DGMW60	1.6
POTASSIUM	MG/KG	13	13	321	b	02_S&DB200	15300		02_DGMW60	39.8
SELENIUM	MG/KG	13	1	0.1	U	-	1.3		02_DGMW61	0.5
SILVER	MG/KG	13	2	0.43	U	-	2.9		02_DGMW60	0.44
SODIUM	MG/KG	13	13	143	b	02_DGMW59	602	b	02_DGMW60	2.6
THALLIUM	MG/KG	13	6	0.14	U	-	0.78	b	02_DGMW60	0.7
VANADIUM	MG/KG	13	13	3.5	b	02_S&DB200	72.6		02_DGMW60	0.4
ZINC	MG/KG	13	12	4.8	U	-	112		02_DGMW60	0.46
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	20	0	10	U	-	13	U	-	11
1,1,2,2-TETRACHLOROETHANE	UG/KG	20	0	10	U	-	13	U	-	11
1,1,2-TRICHLOROETHANE	UG/KG	20	0	10	U	-	13	U	-	11
1,1-DICHLOROETHANE	UG/KG	20	0	10	U	-	13	U	-	11
1,1-DICHLOROETHENE	UG/KG	20	0	10	U	-	13	U	-	11
1,2-DICHLOROETHANE	UG/KG	20	0	10	U	-	13	U	-	11
1,2-DICHLOROETHENE (TOTAL)	UG/KG	20	0	10	U	-	13	U	-	11

Table C - 2c

Site 2: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2-DICHLOROPROPANE	UG/KG	20	0	10	U	-	13	U	-	11
2-BUTANONE	UG/KG	20	0	10	U	-	13	U	-	11
2-HEXANONE	UG/KG	20	0	10	U	-	13	U	-	11
4-METHYL-2-PENTANONE	UG/KG	20	0	10	U	-	13	U	-	11
ACETONE	UG/KG	20	2	10	U	-	90		02_UGMW25	11
BENZENE	UG/KG	20	0	10	U	-	13	U	-	11
BROMODICHLOROMETHANE	UG/KG	20	0	10	U	-	13	U	-	11
BROMOFORM	UG/KG	20	0	10	U	-	13	U	-	11
BROMOMETHANE (METHYL BROMIDE)	UG/KG	20	0	10	U	-	13	U	-	11
CARBON DISULFIDE	UG/KG	20	0	10	U	-	13	U	-	11
CARBON TETRACHLORIDE	UG/KG	20	0	10	U	-	13	U	-	11
CHLOROBENZENE	UG/KG	20	0	10	U	-	13	U	-	11
CHLORODIBROMOMETHANE	UG/KG	20	0	10	U	-	13	U	-	11
CHLOROETHANE	UG/KG	20	0	10	U	-	13	U	-	11
CHLOROFORM	UG/KG	20	0	10	U	-	13	U	-	11
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	20	0	10	U	-	13	U	-	11
CIS-1,3-DICHLOROPROPENE	UG/KG	20	0	10	U	-	13	U	-	11
ETHYLBENZENE	UG/KG	20	0	10	U	-	13	U	-	11
METHYLENE CHLORIDE	UG/KG	20	0	10	U	-	27	U	-	11
STYRENE	UG/KG	20	0	10	U	-	13	U	-	11
TETRACHLOROETHENE	UG/KG	20	0	10	U	-	13	U	-	11
TOLUENE	UG/KG	20	3	4	J	02_DGMW60	7	J	02_S&DB200	11
TRANS-1,3-DICHLOROPROPENE	UG/KG	20	0	10	U	-	13	U	-	11
TRICHLOROETHYLENE	UG/KG	20	0	10	U	-	13	U	-	11
VINYL CHLORIDE	UG/KG	20	0	10	U	-	13	U	-	11
XYLENE (TOTAL)	UG/KG	20	0	10	U	-	13	U	-	11
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	17	0	670	U	-	850	U	-	730
1,2-DICHLOROBENZENE	UG/KG	17	0	670	U	-	850	U	-	730
1,3-DICHLOROBENZENE	UG/KG	17	0	670	U	-	850	U	-	730
1,4-DICHLOROBENZENE	UG/KG	17	0	670	U	-	850	U	-	730
2,4,5-TRICHLOROPHENOL	UG/KG	17	0	1600	U	-	2100	U	-	1800
2,4,6-TRICHLOROPHENOL	UG/KG	17	0	670	U	-	850	U	-	730
2,4-DICHLOROPHENOL	UG/KG	17	0	670	U	-	850	U	-	730
2,4-DIMETHYLPHENOL	UG/KG	17	0	670	U	-	850	U	-	730

Table C - 2c

Site 2: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DINITROPHENOL	UG/KG	17	0	1600	U	-	2100	U	-	1800
2,4-DINITROTOLUENE	UG/KG	17	0	670	U	-	850	U	-	730
2,6-DINITROTOLUENE	UG/KG	17	0	670	U	-	850	U	-	730
2-CHLORONAPHTHALENE	UG/KG	17	0	670	U	-	850	U	-	730
2-CHLOROPHENOL	UG/KG	17	0	670	U	-	850	U	-	730
2-METHYLNAPHTHALENE	UG/KG	17	0	670	U	-	850	U	-	730
2-METHYLPHENOL	UG/KG	17	0	670	U	-	850	U	-	730
2-NITROANILINE	UG/KG	17	0	1600	U	-	2100	U	-	1800
2-NITROPHENOL	UG/KG	17	0	670	U	-	850	U	-	730
3,3'-DICHLOROBENZIDINE	UG/KG	17	0	670	U	-	850	U	-	730
3-NITROANILINE	UG/KG	17	0	1600	U	-	2100	U	-	1800
4,6-DINITRO-2-METHYLPHENOL	UG/KG	17	0	1600	U	-	2100	U	-	1800
4-BROMOPHENYL PHENYL ETHER	UG/KG	17	0	670	U	-	850	U	-	730
4-CHLORO-3-METHYLPHENOL	UG/KG	17	0	670	U	-	850	U	-	730
4-CHLOROANILINE	UG/KG	17	0	670	U	-	850	U	-	730
4-CHLOROPHENYL PHENYL ETHER	UG/KG	17	0	670	U	-	850	U	-	730
4-METHYLPHENOL	UG/KG	17	0	670	U	-	850	U	-	730
4-NITROANILINE	UG/KG	17	0	1600	U	-	2100	U	-	1800
4-NITROPHENOL	UG/KG	17	0	1600	U	-	2100	U	-	1800
ACENAPHTHENE	UG/KG	17	0	670	U	-	850	U	-	730
ACENAPHTHYLENE	UG/KG	17	0	670	U	-	850	U	-	730
ANTHRACENE	UG/KG	17	0	670	U	-	850	U	-	730
BENZO(A)ANTHRACENE	UG/KG	17	0	670	U	-	850	U	-	730
BENZO(A)PYRENE	UG/KG	17	0	670	U	-	850	U	-	730
BENZO(B)FLUORANTHENE	UG/KG	17	0	670	U	-	850	U	-	730
BENZO(GHI)PERYLENE	UG/KG	17	0	670	U	-	850	U	-	730
BENZO(K)FLUORANTHENE	UG/KG	17	0	670	U	-	850	U	-	730
BENZYL BUTYL PHTHALATE	UG/KG	17	0	670	U	-	850	U	-	730
BIS(2-CHLOROETHOXY) METHANE	UG/KG	17	0	670	U	-	850	U	-	730
BIS(2-CHLOROETHYL)ETHER	UG/KG	17	0	670	U	-	850	U	-	730
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	17	0	670	U	-	850	U	-	730
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	17	1	360	J	02_DGMW59	360	J	02_DGMW59	730
CARBAZOLE	UG/KG	17	0	670	U	-	850	U	-	730
CHRYSENE	UG/KG	17	0	670	U	-	850	U	-	730
DI-N-BUTYL PHTHALATE	UG/KG	17	0	670	U	-	850	U	-	730

Table C - 2c

Site 2: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
DI-N-OCTYL PHTHALATE	UG/KG	17	0	670	U	-	850	U	-	730
DIBENZO(A,H)ANTHRACENE	UG/KG	17	0	670	U	-	850	U	-	730
DIBENZOFURAN	UG/KG	17	0	670	U	-	850	U	-	730
DIETHYL PHTHALATE	UG/KG	17	0	670	U	-	850	U	-	730
DIMETHYL PHTHALATE	UG/KG	17	0	670	U	-	850	U	-	730
FLUORANTHENE	UG/KG	17	0	670	U	-	850	U	-	730
FLUORENE	UG/KG	17	0	670	U	-	850	U	-	730
HEXACHLOROBENZENE	UG/KG	17	0	670	U	-	850	U	-	730
HEXACHLOROBUTADIENE	UG/KG	17	0	670	U	-	850	U	-	730
HEXACHLOROCYCLOPENTADIENE	UG/KG	17	0	670	U	-	850	U	-	730
HEXACHLOROETHANE	UG/KG	17	0	670	U	-	850	U	-	730
INDENO(1,2,3-CD)PYRENE	UG/KG	17	0	670	U	-	850	U	-	730
ISOPHORONE	UG/KG	17	0	670	U	-	850	U	-	730
N-NITROSODIPHENYLAMINE	UG/KG	17	0	670	U	-	850	U	-	730
N-NITROSODIPROPYLAMINE	UG/KG	17	0	670	U	-	850	U	-	730
NAPHTHALENE	UG/KG	17	0	670	U	-	850	U	-	730
NITROBENZENE	UG/KG	17	0	670	U	-	850	U	-	730
PENTACHLOROPHENOL	UG/KG	17	0	1600	U	-	2100	U	-	1800
PHENANTHRENE	UG/KG	17	0	670	U	-	850	U	-	730
PHENOL	UG/KG	17	0	670	U	-	850	U	-	730
PYRENE	UG/KG	17	0	670	U	-	850	U	-	730
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	15	0	3.35	U	-	4.23	U	-	3.6
4,4'-DDE	UG/KG	15	0	3.35	U	-	4.23	U	-	3.6
4,4'-DDT	UG/KG	15	0	3.35	U	-	4.23	U	-	3.6
ALDRIN	UG/KG	15	0	1.73	U	-	2.18	U	-	1.9
ALPHA-CHLORDANE	UG/KG	15	0	1.73	U	-	2.18	U	-	1.9
BHC-ALPHA	UG/KG	15	0	1.73	U	-	2.18	U	-	1.9
BHC-BETA	UG/KG	15	0	1.73	U	-	2.18	U	-	1.9
BHC-DELTA	UG/KG	15	0	1.73	U	-	2.18	U	-	1.9
BHC-GAMMA(LINDANE)	UG/KG	15	0	1.73	U	-	2.18	U	-	1.9
DIELDRIN	UG/KG	15	0	3.35	U	-	4.23	U	-	3.6
ENDOSULFAN I	UG/KG	15	0	1.73	U	-	2.18	U	-	1.9
ENDOSULFAN II	UG/KG	15	0	3.35	U	-	4.23	U	-	3.6
ENDOSULFAN SULFATE	UG/KG	15	0	3.35	U	-	4.23	U	-	3.6

Table C - 2c

Site 2: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
ENDRIN	UG/KG	15	0	3.35	U	-	4.23	U	-	3.6
ENDRIN ALDEHYDE	UG/KG	15	0	3.35	U	-	4.23	U	-	3.6
ENDRIN KETONE	UG/KG	15	0	3.35	U	-	4.23	U	-	3.6
GAMMA-CHLORDANE	UG/KG	15	0	1.73	U	-	2.18	U	-	1.9
HEPTACHLOR	UG/KG	15	0	1.73	U	-	2.18	U	-	1.9
HEPTACHLOR EPOXIDE	UG/KG	15	0	1.73	U	-	2.18	U	-	1.9
METHOXYCHLOR	UG/KG	15	0	17.3	U	-	21.8	U	-	18.7
PCB-1016	UG/KG	15	0	33.5	U	-	42.3	U	-	36.2
PCB-1221	UG/KG	15	0	68	U	-	85.9	U	-	73.6
PCB-1232	UG/KG	15	0	33.5	U	-	42.3	U	-	36.2
PCB-1242	UG/KG	15	0	33.5	U	-	42.3	U	-	36.2
PCB-1248	UG/KG	15	0	33.5	U	-	42.3	U	-	36.2
PCB-1254	UG/KG	15	0	33.5	U	-	42.3	U	-	36.2
PCB-1260	UG/KG	15	0	33.5	U	-	42.3	U	-	36.2
TOXAPHENE	UG/KG	15	0	173	U	-	218	U	-	187
DIOXINS AND FURANS										
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-D	NG/G	1	0	0.05	U	-	0.05	U	-	0.05
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURA	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURA	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOX	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
1,2,3,6,7,8-HEXACHLORODIBENZO	NG/G	1	0	0.05	U	-	0.05	U	-	0.05
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
1,2,3,7,8,9-HEXACHLORODIBENZO-p-DIOX	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
1,2,3,7,8,9-HEXACHLORODIBENZOFURANS	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXI	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
1,2,3,7,8-PENTACHLORODIBENZOFURAN	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
2,3,4,7,8-PENTACHLORODIBENZOFURAN	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
2,3,7,8-TETRACHLORODIBENZOFURAN	NG/G	1	0	0	U	-	0	U	-	0
HEPTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.05	U	-	0.05	U	-	0.05
HEPTACHLORODIBENZOFURANS	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
HEXACHLORODIBENZOFURANS	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
HEXACHLORODIBENZOFURNS	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
HEXACHLORODIBENZPO-P-DIOXINS	NG/G	1	0	0.05	U	-	0.05	U	-	0.05

Table C - 2c

Site 2: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
OCTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.08	U	-	0.08	U	-	0.08
OCTACHLORODIBENZOFURAN	NG/G	1	0	0.09	U	-	0.09	U	-	0.09
PENTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
PENTACHLORODIBENZOFURANS	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
TETRACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
TETRACHLORODIBENZOFURANS	NG/G	1	0	0	U	-	0	U	-	0
HERBICIDES										
2,4 DICHLOROPHENOXY ACETIC ACID	UG/KG	10	0	102	U	-	128	U	-	110
2,4,5-T	UG/KG	10	0	25.4	U	-	31.9	U	-	27.4
2,4,5-TP (SILVEX)	UG/KG	10	0	25.4	U	-	31.9	U	-	27.4
2,4-DB	UG/KG	10	1	50.9	U	-	198		02_UGMW25	54.8
DALAPON	UG/KG	10	1	50.9	U	-	82.7		02_S&DB200	54.8
DICAMBA	UG/KG	10	0	50.9	U	-	63.9	U	-	54.8
DICHLOROPROP	UG/KG	10	0	102	U	-	128	U	-	110
DINOSEB	UG/KG	10	0	25.4	U	-	31.9	U	-	27.4
MCPA	UG/KG	10	1	25400	U	-	225000		02_UGMW25	27400
MCPP	UG/KG	10	0	25400	U	-	31900	U	-	27400
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	13	0	12.7	U	-	16.1	U	-	13.7
TFH GASOLINE	MG/KG	11	0	0.05	U	-	0.06	U	-	0.0551
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	12	0	20	U	-	20	U	-	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 3c

Site 3: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KGW	2	0	100	U	-	100	U	-	100
TOTAL ORGANIC CARBON	MG/KG	1	1	209		03_DBMW39	209		03_DBMW39	0
METALS										
ALUMINUM	MG/KG	11	11	854		03_DGMW65	13300		03_DGMW64	31
ANTIMONY	MG/KG	11	0	2.5	U	-	3.3	U	-	12.1
ARSENIC	MG/KG	11	11	0.87	b	03_DBMW39	10.6		03_DGMW65	0.7
BARIUM	MG/KG	11	11	21.4	b	03_DGMW65	192		03_DBMW39	0.1
BERYLLIUM	MG/KG	11	5	0.1	U	-	0.76	b	03_DGMW65	0.1
CADMIUM	MG/KG	11	10	0.25	U	-	7		03_DGMW64	1.2
CALCIUM	MG/KG	11	11	934	b	03_DGMW65	47400		03_DGMW64	103
CHROMIUM	MG/KG	11	11	1.8	b	03_DGMW65	21.2		03_DGMW64	3.7
COBALT	MG/KG	11	10	1.3	U	-	8.3	b	03_DGMW65	5.8
COPPER	MG/KG	11	11	1.8	b	03_DGMW65	16		03_DGMW65	0.9
IRON	MG/KG	11	11	1530		03_DGMW65	21900		03_DBMW39	2.3
LEAD	MG/KG	11	11	0.41	b	03_DBMW39	8.1		03_DGMW65	0.6
MAGNESIUM	MG/KG	11	11	520	b	03_DGMW65	7190		03_DBMW39	14.3
MANGANESE	MG/KG	11	11	35.6		03_DGMW65	346		03_DGMW64	0.8
MERCURY	MG/KG	11	2	0.03	U	-	0.11		03_DGMW64	0.1
NICKEL	MG/KG	11	10	1.6	U	-	28.4		03_DGMW64	7.7
POTASSIUM	MG/KG	11	11	323	b	03_DGMW65	4840		03_DBMW39	191
SELENIUM	MG/KG	11	2	0.1	U	-	0.12	b	03_DBMW39	0.5
SILVER	MG/KG	11	0	0.43	U	-	0.55	U	-	2.1
SODIUM	MG/KG	11	11	153	b	03_DBMW39	1340		03_DBMW39	12.4
THALLIUM	MG/KG	11	5	0.14	U	-	0.49	b	03_DGMW64	0.7
VANADIUM	MG/KG	11	11	4.8	b	03_DGMW65	64.9		03_DGMW64	1.9
ZINC	MG/KG	11	11	6.8		03_DGMW65	67		03_DGMW65	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	19	0	11	U	-	13	U	-	11
1,1,2,2-TETRACHLOROETHANE	UG/KG	19	0	11	U	-	13	U	-	11
1,1,2-TRICHLOROETHANE	UG/KG	19	0	11	U	-	13	U	-	11
1,1-DICHLOROETHANE	UG/KG	19	0	11	U	-	13	U	-	11
1,1-DICHLOROETHENE	UG/KG	19	0	11	U	-	13	U	-	11
1,2-DICHLOROETHANE	UG/KG	19	0	11	U	-	13	U	-	11
1,2-DICHLOROETHENE (TOTAL)	UG/KG	19	0	11	U	-	13	U	-	11

Table C - 3c

Site 3: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2-DICHLOROPROPANE	UG/KG	19	0	11	U	-	13	U	-	11
2-BUTANONE	UG/KG	19	0	11	U	-	13	U	-	11
2-HEXANONE	UG/KG	19	0	11	U	-	13	U	-	11
4-METHYL-2-PENTANONE	UG/KG	19	0	11	U	-	13	U	-	11
ACETONE	UG/KG	19	5	11	U	-	78	B	03_DGMW64	11
BENZENE	UG/KG	19	0	11	U	-	13	U	-	11
BROMODICHLOROMETHANE	UG/KG	19	0	11	U	-	13	U	-	11
BROMOFORM	UG/KG	19	0	11	U	-	13	U	-	11
BROMOMETHANE (METHYL BROMIDE)	UG/KG	19	0	11	U	-	13	U	-	11
CARBON DISULFIDE	UG/KG	19	0	11	U	-	13	U	-	11
CARBON TETRACHLORIDE	UG/KG	19	0	11	U	-	13	U	-	11
CHLOROBENZENE	UG/KG	19	0	11	U	-	13	U	-	11
CHLORODIBROMOMETHANE	UG/KG	19	0	11	U	-	13	U	-	11
CHLOROETHANE	UG/KG	19	0	11	U	-	13	U	-	11
CHLOROFORM	UG/KG	19	0	11	U	-	13	U	-	11
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	19	0	11	U	-	13	U	-	11
CIS-1,3-DICHLOROPROPENE	UG/KG	19	0	11	U	-	13	U	-	11
ETHYLBENZENE	UG/KG	19	0	11	U	-	13	U	-	11
METHYLENE CHLORIDE	UG/KG	19	3	11	U	-	50	B	03_UGMW26	11
STYRENE	UG/KG	19	0	11	U	-	13	U	-	11
TETRACHLOROETHENE	UG/KG	19	0	11	U	-	13	U	-	11
TOLUENE	UG/KG	19	3	3	J	03_DBMW39	7	J	03_DBMW39	11
TRANS-1,3-DICHLOROPROPENE	UG/KG	19	0	11	U	-	13	U	-	11
TRICHLOROETHYLENE	UG/KG	19	0	11	U	-	13	U	-	11
VINYL CHLORIDE	UG/KG	19	0	11	U	-	13	U	-	11
XYLENE (TOTAL)	UG/KG	19	0	11	U	-	13	U	-	11
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	16	0	700	U	-	830	U	-	730
1,2-DICHLOROBENZENE	UG/KG	16	0	700	U	-	830	U	-	730
1,3-DICHLOROBENZENE	UG/KG	16	0	700	U	-	830	U	-	730
1,4-DICHLOROBENZENE	UG/KG	16	0	700	U	-	830	U	-	730
2,4,5-TRICHLOROPHENOL	UG/KG	16	0	1700	U	-	2000	U	-	1800
2,4,6-TRICHLOROPHENOL	UG/KG	16	0	700	U	-	830	U	-	730
2,4-DICHLOROPHENOL	UG/KG	16	0	700	U	-	830	U	-	730
2,4-DIMETHYLPHENOL	UG/KG	16	0	700	U	-	830	U	-	730

Table C - 3c

Site 3: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DINITROPHENOL	UG/KG	16	0	1700	U	-	2000	U	-	1800
2,4-DINITROTOLUENE	UG/KG	16	0	700	U	-	830	U	-	730
2,6-DINITROTOLUENE	UG/KG	16	0	700	U	-	830	U	-	730
2-CHLORONAPHTHALENE	UG/KG	16	0	700	U	-	830	U	-	730
2-CHLOROPHENOL	UG/KG	16	0	700	U	-	830	U	-	730
2-METHYLNAPHTHALENE	UG/KG	16	0	700	U	-	830	U	-	730
2-METHYLPHENOL	UG/KG	16	0	700	U	-	830	U	-	730
2-NITROANILINE	UG/KG	16	0	1700	U	-	2000	U	-	1800
2-NITROPHENOL	UG/KG	16	0	700	U	-	830	U	-	730
3,3'-DICHLOROBENZIDINE	UG/KG	16	0	700	U	-	830	U	-	730
3-NITROANILINE	UG/KG	16	0	1700	U	-	2000	U	-	1800
4,6-DINITRO-2-METHYLPHENOL	UG/KG	16	0	1700	U	-	2000	U	-	1800
4-BROMOPHENYL PHENYL ETHER	UG/KG	16	0	700	U	-	830	U	-	730
4-CHLORO-3-METHYLPHENOL	UG/KG	16	0	700	U	-	830	U	-	730
4-CHLOROANILINE	UG/KG	16	0	700	U	-	830	U	-	730
4-CHLOROPHENYL PHENYL ETHER	UG/KG	16	0	700	U	-	830	U	-	730
4-METHYLPHENOL	UG/KG	16	0	700	U	-	830	U	-	730
4-NITROANILINE	UG/KG	16	0	1700	U	-	2000	U	-	1800
4-NITROPHENOL	UG/KG	16	0	1700	U	-	2000	U	-	1800
ACENAPHTHENE	UG/KG	16	0	700	U	-	830	U	-	730
ACENAPHTHYLENE	UG/KG	16	0	700	U	-	830	U	-	730
ANTHRACENE	UG/KG	16	0	700	U	-	830	U	-	730
BENZO(A)ANTHRACENE	UG/KG	16	0	700	U	-	830	U	-	730
BENZO(A)PYRENE	UG/KG	16	0	700	U	-	830	U	-	730
BENZO(B)FLUORANTHENE	UG/KG	16	0	700	U	-	830	U	-	730
BENZO(GHI)PERYLENE	UG/KG	16	0	700	U	-	830	U	-	730
BENZO(K)FLUORANTHENE	UG/KG	16	0	700	U	-	830	U	-	730
BENZYL BUTYL PHTHALATE	UG/KG	16	0	700	U	-	830	U	-	730
BIS(2-CHLOROETHOXY) METHANE	UG/KG	16	0	700	U	-	830	U	-	730
BIS(2-CHLOROETHYL)ETHER	UG/KG	16	0	700	U	-	830	U	-	730
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	16	0	700	U	-	830	U	-	730
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	16	0	700	U	-	830	U	-	730
CARBAZOLE	UG/KG	16	0	700	U	-	830	U	-	730
CHRYSENE	UG/KG	16	0	700	U	-	830	U	-	730
DI-N-BUTYL PHTHALATE	UG/KG	16	0	700	U	-	830	U	-	730

Table C - 3c

Site 3: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
DI-N-OCTYL PHTHALATE	UG/KG	16	0	700	U	-	830	U	-	730
DIBENZO(A,H)ANTHRACENE	UG/KG	16	0	700	U	-	830	U	-	730
DIBENZOFURAN	UG/KG	16	0	700	U	-	830	U	-	730
DIETHYL PHTHALATE	UG/KG	16	0	700	U	-	830	U	-	730
DIMETHYL PHTHALATE	UG/KG	16	0	700	U	-	830	U	-	730
FLUORANTHENE	UG/KG	16	0	700	U	-	830	U	-	730
FLUORENE	UG/KG	16	0	700	U	-	830	U	-	730
HEXACHLOROBENZENE	UG/KG	16	0	700	U	-	830	U	-	730
HEXACHLOROBUTADIENE	UG/KG	16	0	700	U	-	830	U	-	730
HEXACHLOROCYCLOPENTADIENE	UG/KG	16	0	700	U	-	830	U	-	730
HEXACHLOROETHANE	UG/KG	16	0	700	U	-	830	U	-	730
INDENO(1,2,3-CD)PYRENE	UG/KG	16	0	700	U	-	830	U	-	730
ISOPHORONE	UG/KG	16	0	700	U	-	830	U	-	730
N-NITROSODIPHENYLAMINE	UG/KG	16	0	700	U	-	830	U	-	730
N-NITROSODIPROPYLAMINE	UG/KG	16	0	700	U	-	830	U	-	730
NAPHTHALENE	UG/KG	16	0	700	U	-	830	U	-	730
NITROBENZENE	UG/KG	16	0	700	U	-	830	U	-	730
PENTACHLOROPHENOL	UG/KG	16	0	1700	U	-	2000	U	-	1800
PHENANTHRENE	UG/KG	16	0	700	U	-	830	U	-	730
PHENOL	UG/KG	16	0	700	U	-	830	U	-	730
PYRENE	UG/KG	16	0	700	U	-	830	U	-	730
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	12	0	3.52	U	-	4.17	U	-	3.6
4,4'-DDE	UG/KG	12	0	3.52	U	-	4.17	U	-	3.6
4,4'-DDT	UG/KG	12	0	3.52	U	-	4.17	U	-	3.6
ALDRIN	UG/KG	12	0	1.81	U	-	2.15	U	-	1.85
ALPHA-CHLORDANE	UG/KG	12	0	1.81	U	-	2.15	U	-	1.85
BHC-ALPHA	UG/KG	12	0	1.81	U	-	2.15	U	-	1.85
BHC-BETA	UG/KG	12	0	1.81	U	-	2.15	U	-	1.85
BHC-DELTA	UG/KG	12	0	1.81	U	-	2.15	U	-	1.85
BHC-GAMMA(LINDANE)	UG/KG	12	0	1.81	U	-	2.15	U	-	1.85
DIELDRIN	UG/KG	12	0	3.52	U	-	4.17	U	-	3.6
ENDOSULFAN I	UG/KG	12	0	1.81	U	-	2.15	U	-	1.85
ENDOSULFAN II	UG/KG	12	0	3.52	U	-	4.17	U	-	3.6
ENDOSULFAN SULFATE	UG/KG	12	0	3.52	U	-	4.17	U	-	3.6

Table C - 3c

Site 3: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
ENDRIN	UG/KG	12	0	3.52	U	-	4.17	U	-	3.6
ENDRIN ALDEHYDE	UG/KG	4	0	3.61	U	-	3.94	U	-	3.9
ENDRIN KETONE	UG/KG	12	0	3.52	U	-	4.17	U	-	3.6
GAMMA-CHLORDANE	UG/KG	12	0	1.81	U	-	2.15	U	-	1.85
HEPTACHLOR	UG/KG	12	0	1.81	U	-	2.15	U	-	1.85
HEPTACHLOR EPOXIDE	UG/KG	12	0	1.81	U	-	2.15	U	-	1.85
METHOXYCHLOR	UG/KG	12	0	18.1	U	-	21.5	U	-	18.5
PCB-1016	UG/KG	12	0	35.2	U	-	41.7	U	-	36
PCB-1221	UG/KG	12	0	71.5	U	-	84.7	U	-	73
PCB-1232	UG/KG	12	0	35.2	U	-	41.7	U	-	36
PCB-1242	UG/KG	12	0	35.2	U	-	41.7	U	-	36
PCB-1248	UG/KG	12	0	35.2	U	-	41.7	U	-	36
PCB-1254	UG/KG	12	0	35.2	U	-	41.7	U	-	36
PCB-1260	UG/KG	12	0	35.2	U	-	41.7	U	-	36
TOXAPHENE	UG/KG	12	0	181	U	-	215	U	-	185
DIOXINS AND FURANS										
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-D	NG/G	1	0	0.05	U	-	0.05	U	-	0.05
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURA	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURA	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOX	NG/G	1	0	0.06	U	-	0.06	U	-	0.06
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
1,2,3,6,7,8-HEXACHLORODIBENZO	NG/G	1	0	0.07	U	-	0.07	U	-	0.07
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
1,2,3,7,8,9-HEXACHLORODIBENZO-p-DIOX	NG/G	1	0	0.05	U	-	0.05	U	-	0.05
1,2,3,7,8,9-HEXACHLORODIBENZOFURANS	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXI	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
1,2,3,7,8-PENTACHLORODIBENZOFURAN	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
2,3,4,7,8-PENTACHLORODIBENZOFURAN	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
2,3,7,8-TETRACHLORODIBENZOFURAN	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
HEPTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.05	U	-	0.05	U	-	0.05
HEPTACHLORODIBENZOFURANS	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
HEXACHLORODIBENZOFURANS	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
HEXACHLORODIBENZOFURNS	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
HEXACHLORODIBENZPO-P-DIOXINS	NG/G	1	0	0.07	U	-	0.07	U	-	0.07

Table C - 3c

Site 3: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
OCTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.09	U	-	0.09	U	-	0.09
OCTACHLORODIBENZOFURAN	NG/G	1	0	0.05	U	-	0.05	U	-	0.05
PENTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
PENTACHLORODIBENZOFURANS	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
TETRACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
TETRACHLORODIBENZOFURANS	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
HERBICIDES										
2,4 DICHLOROPHENOXY ACETIC ACID	UG/KG	17	0	105	U	-	123	U	-	109
2,4,5-T	UG/KG	17	1	26.2	U	-	41.8	J	03_DGMW65	27.2
2,4,5-TP (SILVEX)	UG/KG	17	1	26.9	U	-	61.3	J	03_DGMW65	27.2
2,4-DB	UG/KG	17	0	52.4	U	-	61.3	U	-	54.4
DALAPON	UG/KG	17	0	52.4	U	-	61.3	U	-	54.4
DICAMBA	UG/KG	17	0	52.4	U	-	61.3	U	-	54.4
DICHLOROPROP	UG/KG	17	0	105	U	-	123	U	-	109
DINOSEB	UG/KG	17	0	26.2	U	-	30.7	U	-	27.2
MCPA	UG/KG	17	0	26200	U	-	30700	U	-	27200
MCPP	UG/KG	17	4	26200	U	-	62700		03_DBMW39	27200
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	12	0	13.4	U	-	15.6	U	-	13.7
TFH GASOLINE	MG/KG	12	1	0.05	U	-	0.13		03_DBMW39	0.0551
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	12	0	20	U	-	20	U	-	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 4c

Site 4: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KGW	2	2	103		04_UGMW63	169		04_DGMW66	100
METALS										
ALUMINUM	MG/KG	14	14	2360		04_UGMW63	10900		04_DBMW40	31
ANTIMONY	MG/KG	14	0	2.6	U	-	2.9	U	-	12.1
ARSENIC	MG/KG	15	7	1.8	U	-	6.1		04_DBMW40	2
BARIUM	MG/KG	14	14	49.3		04_UGMW63	213		04_DBMW40	0.1
BERYLLIUM	MG/KG	14	5	0.12	b	04_DBMW40	0.33	b	04_DBMW40	0.46
CADMIUM	MG/KG	14	10	0.57	U	-	4.5		04_DGMW66	1.2
CALCIUM	MG/KG	14	14	2030		04_UGMW63	8740		04_DBMW40	103
CHROMIUM	MG/KG	14	14	4.1		04_DBMW40	15.2		04_UGMW63	3.7
COBALT	MG/KG	14	14	1.6	b	04_UGMW63	6.8	b	04_DGMW66	5.8
COPPER	MG/KG	14	14	3.4	b	04_DBMW40	13.4		04_DGMW66	0.9
IRON	MG/KG	14	14	5520		04_DBMW40	16200		04_DGMW66	2.3
LEAD	MG/KG	14	12	1.2	U	-	28.3		04_UGMW63	0.6
MAGNESIUM	MG/KG	14	14	1200		04_UGMW63	5870		04_DBMW40	14.3
MANGANESE	MG/KG	14	14	90.4		04_UGMW63	394		04_DGMW66	0.8
MERCURY	MG/KG	14	5	0.03	U	-	0.22		04_DBMW40	0.1
NICKEL	MG/KG	15	14	2.2	U	-	29.2		04_DGMW66	7.7
POTASSIUM	MG/KG	14	14	696	b	04_UGMW63	3860		04_DBMW40	191
SELENIUM	MG/KG	14	5	0.11	U	-	4.7	B	04_DBMW40	0.5
SILVER	MG/KG	14	0	0.31	U	-	0.5	U	-	2.1
SODIUM	MG/KG	14	13	236	b	04_UGMW63	874	b	04_DBMW40	12.4
THALLIUM	MG/KG	14	3	0.15	U	-	0.2	b	04_DBMW40	0.7
VANADIUM	MG/KG	14	14	12.7		04_UGMW63	37.3		04_DGMW66	1.9
ZINC	MG/KG	14	14	13.3		04_UGMW63	48.7		04_DGMW66	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	19	0	10	U	-	12	U	-	11
1,1,2,2-TETRACHLOROETHANE	UG/KG	19	0	10	U	-	12	U	-	11
1,1,2-TRICHLOROETHANE	UG/KG	19	0	10	U	-	12	U	-	11
1,1-DICHLOROETHANE	UG/KG	19	0	10	U	-	12	U	-	11
1,1-DICHLOROETHENE	UG/KG	19	0	10	U	-	12	U	-	11
1,2-DICHLOROETHANE	UG/KG	19	0	10	U	-	12	U	-	11

Table C - 4c

Site 4: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2-DICHLOROETHENE (TOTAL)	UG/KG	19	0	10	U	-	12	U	-	11
1,2-DICHLOROPROPANE	UG/KG	19	0	10	U	-	12	U	-	11
2-BUTANONE	UG/KG	19	0	10	U	-	12	U	-	11
2-HEXANONE	UG/KG	19	0	10	U	-	12	U	-	11
4-METHYL-2-PENTANONE	UG/KG	19	0	10	U	-	12	U	-	11
ACETONE	UG/KG	19	7	5	J	04_DBMW40	19		04_UGMW63	11
BENZENE	UG/KG	19	0	10	U	-	12	U	-	11
BROMODICHLOROMETHANE	UG/KG	19	0	10	U	-	12	U	-	11
BROMOFORM	UG/KG	19	0	10	U	-	12	U	-	11
BROMOMETHANE (METHYL BROMIDE)	UG/KG	19	0	10	U	-	12	U	-	11
CARBON DISULFIDE	UG/KG	19	0	10	U	-	12	U	-	11
CARBON TETRACHLORIDE	UG/KG	19	0	10	U	-	12	U	-	11
CHLOROBENZENE	UG/KG	19	0	10	U	-	12	U	-	11
CHLORODIBROMOMETHANE	UG/KG	19	0	10	U	-	12	U	-	11
CHLOROETHANE	UG/KG	19	0	10	U	-	12	U	-	11
CHLOROFORM	UG/KG	19	0	10	U	-	12	U	-	11
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	19	0	10	U	-	12	U	-	11
CIS-1,3-DICHLOROPROPENE	UG/KG	19	0	10	U	-	12	U	-	11
ETHYLBENZENE	UG/KG	19	0	10	U	-	12	U	-	11
METHYLENE CHLORIDE	UG/KG	19	0	10	U	-	20	U	-	11
STYRENE	UG/KG	19	0	10	U	-	12	U	-	11
TETRACHLOROETHENE	UG/KG	19	0	10	U	-	12	U	-	11
TOLUENE	UG/KG	19	1	3	J	04_UGMW63	3	J	04_UGMW63	11
TRANS-1,3-DICHLOROPROPENE	UG/KG	19	0	10	U	-	12	U	-	11
TRICHLOROETHYLENE	UG/KG	19	0	10	U	-	12	U	-	11
VINYL CHLORIDE	UG/KG	19	0	10	U	-	12	U	-	11
XYLENE (TOTAL)	UG/KG	19	0	10	U	-	12	U	-	11
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	17	0	680	U	-	800	U	-	730
1,2-DICHLOROBENZENE	UG/KG	17	0	680	U	-	800	U	-	730
1,3-DICHLOROBENZENE	UG/KG	17	0	680	U	-	800	U	-	730
1,4-DICHLOROBENZENE	UG/KG	17	0	680	U	-	800	U	-	730
2,4,5-TRICHLOROPHENOL	UG/KG	17	0	1600	U	-	1900	U	-	1800

Table C - 4c

Site 4: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4,6-TRICHLOROPHENOL	UG/KG	17	0	680	U	-	800	U	-	730
2,4-DICHLOROPHENOL	UG/KG	17	0	680	U	-	800	U	-	730
2,4-DIMETHYLPHENOL	UG/KG	17	0	680	U	-	800	U	-	730
2,4-DINITROPHENOL	UG/KG	17	0	1600	U	-	1900	U	-	1800
2,4-DINITROTOLUENE	UG/KG	17	0	680	U	-	800	U	-	730
2,6-DINITROTOLUENE	UG/KG	17	0	680	U	-	800	U	-	730
2-CHLORONAPHTHALENE	UG/KG	17	0	680	U	-	800	U	-	730
2-CHLOROPHENOL	UG/KG	17	0	680	U	-	800	U	-	730
2-METHYLNAPHTHALENE	UG/KG	17	0	680	U	-	800	U	-	730
2-METHYLPHENOL	UG/KG	17	0	680	U	-	800	U	-	730
2-NITROANILINE	UG/KG	17	0	1600	U	-	1900	U	-	1800
2-NITROPHENOL	UG/KG	17	0	680	U	-	800	U	-	730
2-PENTANONE,4-HYDROXY-4-METHYL	UG/KG	1	0	5100	U	-	5100	U	-	5100
3,3'-DICHLOROBENZIDINE	UG/KG	17	0	680	U	-	800	U	-	730
3-NITROANILINE	UG/KG	17	0	1600	U	-	1900	U	-	1800
4,6-DINITRO-2-METHYLPHENOL	UG/KG	17	0	1600	U	-	1900	U	-	1800
4-BROMOPHENYL PHENYL ETHER	UG/KG	17	0	680	U	-	800	U	-	730
4-CHLORO-3-METHYLPHENOL	UG/KG	17	0	680	U	-	800	U	-	730
4-CHLOROANILINE	UG/KG	17	0	680	U	-	800	U	-	730
4-CHLOROPHENYL PHENYL ETHER	UG/KG	17	0	680	U	-	800	U	-	730
4-METHYLPHENOL	UG/KG	17	0	680	U	-	800	U	-	730
4-NITROANILINE	UG/KG	17	0	1600	U	-	1900	U	-	1800
4-NITROPHENOL	UG/KG	17	0	1600	U	-	1900	U	-	1800
ACENAPHTHENE	UG/KG	17	0	680	U	-	800	U	-	730
ACENAPHTHYLENE	UG/KG	17	0	680	U	-	800	U	-	730
ANTHRACENE	UG/KG	17	0	680	U	-	800	U	-	730
BENZO(A)ANTHRACENE	UG/KG	17	0	680	U	-	800	U	-	730
BENZO(A)PYRENE	UG/KG	17	0	680	U	-	800	U	-	730
BENZO(B)FLUORANTHENE	UG/KG	17	0	680	U	-	800	U	-	730
BENZO(GHI)PERYLENE	UG/KG	17	0	680	U	-	800	U	-	730
BENZO(K)FLUORANTHENE	UG/KG	17	0	680	U	-	800	U	-	730
BENZYL BUTYL PHTHALATE	UG/KG	17	0	680	U	-	800	U	-	730
BIS(2-CHLOROETHOXY) METHANE	UG/KG	17	0	680	U	-	800	U	-	730

Table C - 4c

Site 4: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BIS(2-CHLOROETHYL)ETHER	UG/KG	17	0	680	U	-	800	U	-	730
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	17	0	680	U	-	800	U	-	730
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	17	3	180	J	04_UGMW63	250	J	04_UGMW63	730
CARBAZOLE	UG/KG	17	0	680	U	-	800	U	-	730
CHRYSENE	UG/KG	17	0	680	U	-	800	U	-	730
DI-N-BUTYL PHTHALATE	UG/KG	17	0	680	U	-	800	U	-	730
DI-N-OCTYL PHTHALATE	UG/KG	17	0	680	U	-	800	U	-	730
DIBENZO(A,H)ANTHRACENE	UG/KG	17	0	680	U	-	800	U	-	730
DIBENZOFURAN	UG/KG	17	0	680	U	-	800	U	-	730
DIETHYL PHTHALATE	UG/KG	17	0	680	U	-	800	U	-	730
DIMETHYL PHTHALATE	UG/KG	17	0	680	U	-	800	U	-	730
FLUORANTHENE	UG/KG	17	0	680	U	-	800	U	-	730
FLUORENE	UG/KG	17	0	680	U	-	800	U	-	730
HEXACHLOROBENZENE	UG/KG	17	0	680	U	-	800	U	-	730
HEXACHLOROBUTADIENE	UG/KG	17	0	680	U	-	800	U	-	730
HEXACHLOROCYCLOPENTADIENE	UG/KG	17	0	680	U	-	800	U	-	730
HEXACHLOROETHANE	UG/KG	17	0	680	U	-	800	U	-	730
INDENO(1,2,3-CD)PYRENE	UG/KG	17	0	680	U	-	800	U	-	730
ISOPHORONE	UG/KG	17	0	680	U	-	800	U	-	730
N-NITROSODIPHENYLAMINE	UG/KG	17	0	680	U	-	800	U	-	730
N-NITROSODIPROPYLAMINE	UG/KG	17	0	680	U	-	800	U	-	730
NAPHTHALENE	UG/KG	17	0	680	U	-	800	U	-	730
NITROBENZENE	UG/KG	17	0	680	U	-	800	U	-	730
PENTACHLOROPHENOL	UG/KG	17	0	1600	U	-	1900	U	-	1800
PHENANTHRENE	UG/KG	17	0	680	U	-	800	U	-	730
PHENOL	UG/KG	17	0	680	U	-	800	U	-	730
PYRENE	UG/KG	17	0	680	U	-	800	U	-	730
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	2	0	3.66	U	-	3.72	U	-	3.7
4,4'-DDE	UG/KG	2	0	3.66	U	-	3.72	U	-	3.7
4,4'-DDT	UG/KG	2	0	3.66	U	-	3.72	U	-	3.7
ALDRIN	UG/KG	2	0	1.88	U	-	1.91	U	-	1.9
ALPHA-CHLORDANE	UG/KG	2	0	1.88	U	-	1.91	U	-	1.9

Table C - 4c

Site 4: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BHC-ALPHA	UG/KG	2	0	1.88	U	-	1.91	U	-	1.9
BHC-BETA	UG/KG	2	0	1.88	U	-	1.91	U	-	1.9
BHC-DELTA	UG/KG	2	0	1.88	U	-	1.91	U	-	1.9
BHC-GAMMA(LINDANE)	UG/KG	2	0	1.88	U	-	1.91	U	-	1.9
DIELDRIN	UG/KG	2	0	3.66	U	-	3.72	U	-	3.7
ENDOSULFAN I	UG/KG	2	0	1.88	U	-	1.91	U	-	1.9
ENDOSULFAN II	UG/KG	2	0	3.66	U	-	3.72	U	-	3.7
ENDOSULFAN SULFATE	UG/KG	2	0	3.66	U	-	3.72	U	-	3.7
ENDRIN	UG/KG	2	0	3.66	U	-	3.72	U	-	3.7
ENDRIN ALDEHYDE	UG/KG	2	0	3.66	U	-	3.72	U	-	3.7
ENDRIN KETONE	UG/KG	2	0	3.66	U	-	3.72	U	-	3.7
GAMMA-CHLORDANE	UG/KG	2	0	1.88	U	-	1.91	U	-	1.9
HEPTACHLOR	UG/KG	2	0	1.88	U	-	1.91	U	-	1.9
HEPTACHLOR EPOXIDE	UG/KG	2	0	1.88	U	-	1.91	U	-	1.9
METHOXYCHLOR	UG/KG	2	0	18.8	U	-	19.1	U	-	19.1
PCB-1016	UG/KG	2	0	36.6	U	-	37.2	U	-	37.2
PCB-1221	UG/KG	2	0	74.3	U	-	75.5	U	-	75.5
PCB-1232	UG/KG	2	0	36.6	U	-	37.2	U	-	37.2
PCB-1242	UG/KG	2	0	36.6	U	-	37.2	U	-	37.2
PCB-1248	UG/KG	2	0	36.6	U	-	37.2	U	-	37.2
PCB-1254	UG/KG	2	0	36.6	U	-	37.2	U	-	37.2
PCB-1260	UG/KG	2	0	36.6	U	-	37.2	U	-	37.2
TOXAPHENE	UG/KG	2	0	188	U	-	191	U	-	191
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	15	0	13.5	U	-	15.1	U	-	13.6
TFH GASOLINE	MG/KG	14	7	0.05	U	-	0.83		04_DBMW40	0.0552
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	14	1	20	U	-	249		04_DBMW40	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 5c

Site 5: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KG	2	1	100	J	05_DBMW41	100	J	05_DBMW41	100
TOTAL ORGANIC CARBON	MG/KGW	2	1	100	U	-	127		05_DGMW68	100
METALS										
ALUMINUM	MG/KG	14	14	1520		05_DBMW41	11200		05_DBMW41	31
ANTIMONY	MG/KG	14	0	2.5	U	-	2.9	U	-	12.1
ARSENIC	MG/KG	14	14	0.66	b	05_DBMW41	3.4		05_DBMW41	0.7
BARIUM	MG/KG	14	14	16	b	05_DGMW68	116		05_DBMW41	0.1
BERYLLIUM	MG/KG	14	4	0.1	U	-	0.28	J	05_DBMW41	0.5
CADMIUM	MG/KG	14	7	0.25	U	-	1.5		05_DBMW41	1.2
CALCIUM	MG/KG	14	14	1180		05_DGMW68	15400		05_DBMW41	103
CHROMIUM	MG/KG	14	14	2.2		05_DBMW41	10.9		05_DBMW41	3.7
COBALT	MG/KG	14	12	1.2	U	-	5.1	b	05_DGMW67	5.8
COPPER	MG/KG	14	14	2	b	05_DGMW68	10.4		05_DBMW41	0.9
IRON	MG/KG	14	14	2260		05_DGMW68	14300		05_DBMW41	2.3
LEAD	MG/KG	14	14	0.46	b	05_DBMW41	3.3		05_DBMW41	0.6
MAGNESIUM	MG/KG	14	14	758	b	05_DGMW68	6500		05_DBMW41	14.3
MANGANESE	MG/KG	14	14	16.2		05_DGMW68	227		05_DBMW41	0.8
MERCURY	MG/KG	14	1	0.03	U	-	0.03	b	05_DBMW41	0.03
NICKEL	MG/KG	14	12	1.7	U	-	9.9		05_DBMW41	7.7
POTASSIUM	MG/KG	14	14	572	b	05_DBMW41	3690		05_DBMW41	191
SELENIUM	MG/KG	14	2	0.09	U	-	0.16	b	05_DGMW67	0.5
SILVER	MG/KG	14	0	0.33	U	-	0.51	U	-	2.1
SODIUM	MG/KG	14	14	194	b	05_DBMW41	336	b	05_DGMW67	12.4
THALLIUM	MG/KG	14	2	0.15	U	-	0.17	b	05_DBMW41	0.7
VANADIUM	MG/KG	14	14	6.5	b	05_DBMW41	36.5		05_DBMW41	1.9
ZINC	MG/KG	14	14	7.1		05_DGMW68	42.4		05_DBMW41	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	18	0	10	U	-	13	U	-	12
1,1,2,2-TETRACHLOROETHANE	UG/KG	18	0	10	U	-	13	U	-	12
1,1,2-TRICHLOROETHANE	UG/KG	18	0	10	U	-	13	U	-	12
1,1-DICHLOROETHANE	UG/KG	18	0	10	U	-	13	U	-	12
1,1-DICHLOROETHENE	UG/KG	18	0	10	U	-	13	U	-	12
1,2-DICHLOROETHANE	UG/KG	18	0	10	U	-	13	U	-	12
1,2-DICHLOROETHENE (TOTAL)	UG/KG	18	0	10	U	-	13	U	-	12

Table C - 5c

Site 5: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2-DICHLOROPROPANE	UG/KG	18	0	10	U	-	13	U	-	12
2-BUTANONE	UG/KG	18	0	10	U	-	13	U	-	12
2-HEXANONE	UG/KG	18	0	10	U	-	13	U	-	12
4-METHYL-2-PENTANONE	UG/KG	18	0	10	U	-	13	U	-	12
ACETONE	UG/KG	18	3	7	J	05_DGMW68	10	J	05_DGMW68	12
BENZENE	UG/KG	18	0	10	U	-	13	U	-	12
BROMODICHLOROMETHANE	UG/KG	18	0	10	U	-	13	U	-	12
BROMOFORM	UG/KG	18	0	10	U	-	13	U	-	12
BROMOMETHANE (METHYL BROMIDE)	UG/KG	18	0	10	U	-	13	U	-	12
CARBON DISULFIDE	UG/KG	18	0	10	U	-	13	U	-	12
CARBON TETRACHLORIDE	UG/KG	18	0	10	U	-	13	U	-	12
CHLOROBENZENE	UG/KG	18	0	10	U	-	13	U	-	12
CHLORODIBROMOMETHANE	UG/KG	18	0	10	U	-	13	U	-	12
CHLOROETHANE	UG/KG	18	0	10	U	-	13	U	-	12
CHLOROFORM	UG/KG	18	0	10	U	-	13	U	-	12
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	18	0	10	U	-	13	U	-	12
CIS-1,3-DICHLOROPROPENE	UG/KG	18	0	10	U	-	13	U	-	12
ETHYLBENZENE	UG/KG	18	0	10	U	-	13	U	-	12
METHYLENE CHLORIDE	UG/KG	18	0	10	U	-	13	U	-	12
STYRENE	UG/KG	18	0	10	U	-	13	U	-	12
TETRACHLOROETHENE	UG/KG	18	0	10	U	-	13	U	-	12
TOLUENE	UG/KG	18	0	10	U	-	13	U	-	12
TRANS-1,3-DICHLOROPROPENE	UG/KG	18	0	10	U	-	13	U	-	12
TRICHLOROETHYLENE	UG/KG	18	0	10	U	-	13	U	-	12
VINYL CHLORIDE	UG/KG	18	0	10	U	-	13	U	-	12
XYLENE (TOTAL)	UG/KG	18	0	10	U	-	13	U	-	12
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	15	0	670	U	-	860	U	-	790
1,2-DICHLOROBENZENE	UG/KG	15	0	670	U	-	860	U	-	790
1,3-DICHLOROBENZENE	UG/KG	15	0	670	U	-	860	U	-	790
1,4-DICHLOROBENZENE	UG/KG	15	0	670	U	-	860	U	-	790
2,4,5-TRICHLOROPHENOL	UG/KG	15	0	1600	U	-	2100	U	-	1900
2,4,6-TRICHLOROPHENOL	UG/KG	15	0	670	U	-	860	U	-	790
2,4-DICHLOROPHENOL	UG/KG	15	0	670	U	-	860	U	-	790
2,4-DIMETHYLPHENOL	UG/KG	15	0	670	U	-	860	U	-	790

Table C - 5c

Site 5: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DINITROPHENOL	UG/KG	15	0	1600	U	-	2100	U	-	1900
2,4-DINITROTOLUENE	UG/KG	15	0	670	U	-	860	U	-	790
2,6-DINITROTOLUENE	UG/KG	15	0	670	U	-	860	U	-	790
2-CHLORONAPHTHALENE	UG/KG	15	0	670	U	-	860	U	-	790
2-CHLOROPHENOL	UG/KG	15	0	670	U	-	860	U	-	790
2-METHYLNAPHTHALENE	UG/KG	15	0	670	U	-	860	U	-	790
2-METHYLPHENOL	UG/KG	15	0	670	U	-	860	U	-	790
2-NITROANILINE	UG/KG	15	0	1600	U	-	2100	U	-	1900
2-NITROPHENOL	UG/KG	15	0	670	U	-	860	U	-	790
3,3'-DICHLOROBENZIDINE	UG/KG	15	0	670	U	-	860	U	-	790
3-NITROANILINE	UG/KG	15	0	1600	U	-	2100	U	-	1900
4,6-DINITRO-2-METHYLPHENOL	UG/KG	15	0	1600	U	-	2100	U	-	1900
4-BROMOPHENYL PHENYL ETHER	UG/KG	15	0	670	U	-	860	U	-	790
4-CHLORO-3-METHYLPHENOL	UG/KG	15	0	670	U	-	860	U	-	790
4-CHLOROANILINE	UG/KG	15	0	670	U	-	860	U	-	790
4-CHLOROPHENYL PHENYL ETHER	UG/KG	15	0	670	U	-	860	U	-	790
4-METHYLPHENOL	UG/KG	15	0	670	U	-	860	U	-	790
4-NITROANILINE	UG/KG	15	0	1600	U	-	2100	U	-	1900
4-NITROPHENOL	UG/KG	15	0	1600	U	-	2100	U	-	1900
ACENAPHTHENE	UG/KG	15	0	670	U	-	860	U	-	790
ACENAPHTHYLENE	UG/KG	15	0	670	U	-	860	U	-	790
ANTHRACENE	UG/KG	15	0	670	U	-	860	U	-	790
BENZO(A)ANTHRACENE	UG/KG	15	0	670	U	-	860	U	-	790
BENZO(A)PYRENE	UG/KG	15	0	670	U	-	860	U	-	790
BENZO(B)FLUORANTHENE	UG/KG	15	0	670	U	-	860	U	-	790
BENZO(GHI)PERYLENE	UG/KG	15	0	670	U	-	860	U	-	790
BENZO(K)FLUORANTHENE	UG/KG	15	0	670	U	-	860	U	-	790
BENZYL BUTYL PHTHALATE	UG/KG	15	0	670	U	-	860	U	-	790
BIS(2-CHLOROETHOXY) METHANE	UG/KG	15	0	670	U	-	860	U	-	790
BIS(2-CHLOROETHYL)ETHER	UG/KG	15	0	670	U	-	860	U	-	790
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	15	0	670	U	-	860	U	-	790
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	15	1	430	J	05_UGMW27	430	J	05_UGMW27	790
CARBAZOLE	UG/KG	15	0	670	U	-	860	U	-	790
CHRYSENE	UG/KG	15	0	670	U	-	860	U	-	790
DI-N-BUTYL PHTHALATE	UG/KG	15	0	670	U	-	860	U	-	790

Table C - 5c

Site 5: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
DI-N-OCTYL PHTHALATE	UG/KG	15	0	670	U	-	860	U	-	790
DIBENZO(A,H)ANTHRACENE	UG/KG	15	0	670	U	-	860	U	-	790
DIBENZOFURAN	UG/KG	15	0	670	U	-	860	U	-	790
DIETHYL PHTHALATE	UG/KG	15	0	670	U	-	860	U	-	790
DIMETHYL PHTHALATE	UG/KG	15	0	670	U	-	860	U	-	790
FLUORANTHENE	UG/KG	15	0	670	U	-	860	U	-	790
FLUORENE	UG/KG	15	0	670	U	-	860	U	-	790
HEXACHLOROBENZENE	UG/KG	15	0	670	U	-	860	U	-	790
HEXACHLOROBUTADIENE	UG/KG	15	0	670	U	-	860	U	-	790
HEXACHLOROCYCLOPENTADIENE	UG/KG	15	0	670	U	-	860	U	-	790
HEXACHLOROETHANE	UG/KG	15	0	670	U	-	860	U	-	790
INDENO(1,2,3-CD)PYRENE	UG/KG	15	0	670	U	-	860	U	-	790
ISOPHORONE	UG/KG	15	0	670	U	-	860	U	-	790
N-NITROSODIPHENYLAMINE	UG/KG	15	0	670	U	-	860	U	-	790
N-NITROSODIPROPYLAMINE	UG/KG	15	0	670	U	-	860	U	-	790
NAPHTHALENE	UG/KG	15	0	670	U	-	860	U	-	790
NITROBENZENE	UG/KG	15	0	670	U	-	860	U	-	790
PENTACHLOROPHENOL	UG/KG	15	0	1600	U	-	2100	U	-	1900
PHENANTHRENE	UG/KG	15	0	670	U	-	860	U	-	790
PHENOL	UG/KG	15	0	670	U	-	860	U	-	790
PYRENE	UG/KG	15	0	670	U	-	860	U	-	790
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	12	0	3.37	U	-	4.26	U	-	3.94
4,4'-DDE	UG/KG	12	0	3.37	U	-	4.26	U	-	3.94
4,4'-DDT	UG/KG	12	2	3.37	U	-	7.24		05_DBMW41	3.94
ALDRIN	UG/KG	12	0	1.74	U	-	2.2	U	-	2.03
ALPHA-CHLORDANE	UG/KG	12	0	1.74	U	-	2.2	U	-	2.03
BHC-ALPHA	UG/KG	12	0	1.74	U	-	2.2	U	-	2.03
BHC-BETA	UG/KG	12	0	1.74	U	-	2.2	U	-	2.03
BHC-DELTA	UG/KG	12	0	1.74	U	-	2.2	U	-	2.03
BHC-GAMMA(LINDANE)	UG/KG	12	0	1.74	U	-	2.2	U	-	2.03
DIELDRIN	UG/KG	12	0	3.37	U	-	4.26	U	-	3.94
ENDOSULFAN I	UG/KG	12	0	1.74	U	-	2.2	U	-	2.03
ENDOSULFAN II	UG/KG	12	0	3.37	U	-	4.26	U	-	3.94
ENDOSULFAN SULFATE	UG/KG	12	0	3.37	U	-	4.26	U	-	3.94

Table C - 5c

Site 5: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
ENDRIN	UG/KG	12	0	3.37	U	-	4.26	U	-	3.94
ENDRIN ALDEHYDE	UG/KG	4	0	3.39	U	-	3.78	U	-	3.8
ENDRIN KETONE	UG/KG	12	0	3.37	U	-	4.26	U	-	3.94
GAMMA-CHLORDANE	UG/KG	12	0	1.74	U	-	2.2	U	-	2.03
HEPTACHLOR	UG/KG	12	0	1.74	U	-	2.2	U	-	2.03
HEPTACHLOR EPOXIDE	UG/KG	12	0	1.74	U	-	2.2	U	-	2.03
METHOXYCHLOR	UG/KG	12	0	17.4	U	-	22	U	-	20.3
PCB-1016	UG/KG	12	0	33.7	U	-	42.6	U	-	39.4
PCB-1221	UG/KG	12	0	68.5	U	-	86.5	U	-	80.1
PCB-1232	UG/KG	12	0	33.7	U	-	42.6	U	-	39.4
PCB-1242	UG/KG	12	0	33.7	U	-	42.6	U	-	39.4
PCB-1248	UG/KG	12	0	33.7	U	-	42.6	U	-	39.4
PCB-1254	UG/KG	12	0	33.7	U	-	42.6	U	-	39.4
PCB-1260	UG/KG	12	0	33.7	U	-	42.6	U	-	39.4
TOXAPHENE	UG/KG	12	0	174	U	-	220	U	-	203
DIOXINS AND FURANS										
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-D	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURA	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURA	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOX	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
1,2,3,6,7,8-HEXACHLORODIBENZO	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
1,2,3,7,8,9-HEXACHLORODIBENZO-p-DIOX	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
1,2,3,7,8,9-HEXACHLORODIBENZOFURANS	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXI	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
1,2,3,7,8-PENTACHLORODIBENZOFURAN	NG/G	1	0	0.06	U	-	0.06	U	-	0.06
2,3,4,7,8-PENTACHLORODIBENZOFURAN	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
2,3,7,8-TETRACHLORODIBENZOFURAN	NG/G	1	0	0	U	-	0	U	-	0
HEPTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
HEPTACHLORODIBENZOFURANS	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
HEXACHLORODIBENZOFURANS	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
HEXACHLORODIBENZOFURNS	NG/G	1	0	0.02	U	-	0.02	U	-	0.02
HEXACHLORODIBENZPO-P-DIOXINS	NG/G	1	0	0.04	U	-	0.04	U	-	0.04

Table C - 5c

Site 5: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
OCTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.06	U	-	0.06	U	-	0.06
OCTACHLORODIBENZOFURAN	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
PENTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
PENTACHLORODIBENZOFURANS	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
TETRACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
TETRACHLORODIBENZOFURANS	NG/G	1	0	0	U	-	0	U	-	0
HERBICIDES										
2,4 DICHLOROPHENOXY ACETIC ACID	UG/KG	7	0	101	U	-	131	U	-	118
2,4,5-T	UG/KG	7	0	25.2	U	-	32.7	U	-	29.4
2,4,5-TP (SILVEX)	UG/KG	7	0	25.2	U	-	32.7	U	-	29.4
2,4-DB	UG/KG	7	0	50.5	U	-	65.4	U	-	58.9
DALAPON	UG/KG	7	0	50.5	U	-	65.4	U	-	58.9
DICAMBA	UG/KG	7	0	50.5	U	-	65.4	U	-	58.9
DICHLOROPROP	UG/KG	7	0	101	U	-	131	U	-	118
DINOSEB	UG/KG	7	0	25.2	U	-	32.7	U	-	29.4
MCPA	UG/KG	7	0	25200	U	-	32700	U	-	29400
MCPP	UG/KG	7	3	27100	U	-	261000		05_DBMW41	29400
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	12	2	12.7	U	-	21.8		05_DGMW67	15
TFH GASOLINE	MG/KG	12	0	0.05	U	-	0.07	U	-	0.0602
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	12	2	20	U	-	76		05_DGMW67	0

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 6c

Site 6: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KGW	2	1	100	U	-	104		06_DGMW69	100
METALS										
ALUMINUM	MG/KG	13	13	1250		06_DB201	14200		06_DB201	31
ANTIMONY	MG/KG	13	1	2.5	U	-	3.3	b	06_DB201	12.1
ARSENIC	MG/KG	13	8	0.62	U	-	6.3		06_DB201	0.7
BARIUM	MG/KG	13	13	17.4	b	06_DGMW69	150		06_DB201	0.1
BERYLLIUM	MG/KG	13	2	0.21	U	-	1.1	b	06_DB201	0.5
CADMIUM	MG/KG	13	9	0.25	U	-	5.7		06_DB201	1.2
CALCIUM	MG/KG	13	13	720	b	06_DB201	18500		06_DB201	103
CHROMIUM	MG/KG	13	13	2.3		06_DB201	39.2		06_DB201	3.7
COBALT	MG/KG	13	11	1.2	U	-	7.3	b	06_DB201	5.8
COPPER	MG/KG	13	13	1.4	b	06_DB201	17.7		06_DB201	0.9
IRON	MG/KG	13	13	2090		06_DB201	19400		06_DB201	2.3
LEAD	MG/KG	13	10	0.41	U	-	81.6		06_DB201	0.6
MAGNESIUM	MG/KG	13	13	533	b	06_DB201	8540		06_DB201	14.3
MANGANESE	MG/KG	13	13	53.8		06_DGMW69	317		06_DB201	0.8
MERCURY	MG/KG	13	0	0.03	U	-	0.1	U	-	0.1
NICKEL	MG/KG	13	13	1.8	b	06_DB201	24.5		06_DB201	7.7
POTASSIUM	MG/KG	13	13	457	b	06_DGMW69	4280		06_DB201	191
SELENIUM	MG/KG	13	7	0.1	U	-	0.21	b	06_DB201	0.5
SILVER	MG/KG	13	0	0.43	U	-	1.1	U	-	2.1
SODIUM	MG/KG	13	13	156	b	06_DB201	875	b	06_DB201	12.4
THALLIUM	MG/KG	13	6	0.14	U	-	0.32	b	06_DB201	0.7
VANADIUM	MG/KG	13	13	4.7	b	06_DB201	47.9		06_DB201	1.9
ZINC	MG/KG	13	13	7.1		06_DB201	135		06_DB201	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	14	0	10	U	-	12	U	-	12
1,1,2,2-TETRACHLOROETHANE	UG/KG	14	0	10	U	-	12	U	-	12
1,1,2-TRICHLOROETHANE	UG/KG	14	0	10	U	-	12	U	-	12
1,1-DICHLOROETHANE	UG/KG	14	0	10	U	-	12	U	-	12
1,1-DICHLOROETHENE	UG/KG	14	0	10	U	-	12	U	-	12
1,2-DICHLOROETHANE	UG/KG	14	0	10	U	-	12	U	-	12
1,2-DICHLOROETHENE (TOTAL)	UG/KG	14	0	10	U	-	12	U	-	12
1,2-DICHLOROPROPANE	UG/KG	14	0	10	U	-	12	U	-	12

Table C - 6c

Site 6: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	14	0	10	U	-	12	U	-	12
2-HEXANONE	UG/KG	14	3	3	J	06_DB201	13		06_DB201	12
4-METHYL-2-PENTANONE	UG/KG	14	0	10	U	-	12	U	-	12
ACETONE	UG/KG	14	2	10	U	-	31		06_DGMW69	12
BENZENE	UG/KG	14	0	10	U	-	12	U	-	12
BROMODICHLOROMETHANE	UG/KG	14	0	10	U	-	12	U	-	12
BROMOFORM	UG/KG	14	0	10	U	-	12	U	-	12
BROMOMETHANE (METHYL BROMIDE)	UG/KG	14	0	10	U	-	12	U	-	12
CARBON DISULFIDE	UG/KG	14	0	10	U	-	12	U	-	12
CARBON TETRACHLORIDE	UG/KG	14	0	10	U	-	12	U	-	12
CHLOROBENZENE	UG/KG	14	0	10	U	-	12	U	-	12
CHLORODIBROMOMETHANE	UG/KG	14	0	10	U	-	12	U	-	12
CHLOROETHANE	UG/KG	14	0	10	U	-	12	U	-	12
CHLOROFORM	UG/KG	14	0	10	U	-	12	U	-	12
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	14	0	10	U	-	12	U	-	12
CIS-1,3-DICHLOROPROPENE	UG/KG	14	0	10	U	-	12	U	-	12
ETHYLBENZENE	UG/KG	14	0	10	U	-	12	U	-	12
METHYLENE CHLORIDE	UG/KG	14	3	4	J	06_DB201	6	J	06_DB201	12
STYRENE	UG/KG	14	0	10	U	-	12	U	-	12
TETRACHLOROETHENE	UG/KG	14	0	10	U	-	12	U	-	12
TOLUENE	UG/KG	14	4	3	J	06_DB201	6	J	06_DB201	12
TRANS-1,3-DICHLOROPROPENE	UG/KG	14	0	10	U	-	12	U	-	12
TRICHLOROETHYLENE	UG/KG	14	0	10	U	-	12	U	-	12
VINYL CHLORIDE	UG/KG	14	0	10	U	-	12	U	-	12
XYLENE (TOTAL)	UG/KG	14	1	4	J	06_DB201	4	J	06_DB201	12
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	13	0	670	U	-	820	U	-	760
1,2-DICHLOROBENZENE	UG/KG	13	0	670	U	-	820	U	-	760
1,3-DICHLOROBENZENE	UG/KG	13	0	670	U	-	820	U	-	760
1,4-DICHLOROBENZENE	UG/KG	13	0	670	U	-	820	U	-	760
2,4,5-TRICHLOROPHENOL	UG/KG	13	0	1600	U	-	2000	U	-	1800
2,4,6-TRICHLOROPHENOL	UG/KG	13	0	670	U	-	820	U	-	760
2,4-DICHLOROPHENOL	UG/KG	13	0	670	U	-	820	U	-	760
2,4-DIMETHYLPHENOL	UG/KG	13	0	670	U	-	820	U	-	760
2,4-DINITROPHENOL	UG/KG	13	0	1600	U	-	2000	U	-	1800

Table C - 6c

Site 6: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DINITROTOLUENE	UG/KG	13	0	670	U	-	820	U	-	760
2,6-DINITROTOLUENE	UG/KG	13	0	670	U	-	820	U	-	760
2-CHLORONAPHTHALENE	UG/KG	13	0	670	U	-	820	U	-	760
2-CHLOROPHENOL	UG/KG	13	0	670	U	-	820	U	-	760
2-METHYLNAPHTHALENE	UG/KG	13	0	670	U	-	820	U	-	760
2-METHYLPHENOL	UG/KG	13	0	670	U	-	820	U	-	760
2-NITROANILINE	UG/KG	13	0	1600	U	-	2000	U	-	1800
2-NITROPHENOL	UG/KG	13	0	670	U	-	820	U	-	760
3,3'-DICHLOROBENZIDINE	UG/KG	13	0	670	U	-	820	U	-	760
3-NITROANILINE	UG/KG	13	0	1600	U	-	2000	U	-	1800
4,6-DINITRO-2-METHYLPHENOL	UG/KG	13	0	1600	U	-	2000	U	-	1800
4-BROMOPHENYL PHENYL ETHER	UG/KG	13	0	670	U	-	820	U	-	760
4-CHLORO-3-METHYLPHENOL	UG/KG	13	0	670	U	-	820	U	-	760
4-CHLOROANILINE	UG/KG	13	0	670	U	-	820	U	-	760
4-CHLOROPHENYL PHENYL ETHER	UG/KG	13	0	670	U	-	820	U	-	760
4-METHYLPHENOL	UG/KG	13	0	670	U	-	820	U	-	760
4-NITROANILINE	UG/KG	13	0	1600	U	-	2000	U	-	1800
4-NITROPHENOL	UG/KG	13	0	1600	U	-	2000	U	-	1800
ACENAPHTHENE	UG/KG	13	0	670	U	-	820	U	-	760
ACENAPHTHYLENE	UG/KG	13	0	670	U	-	820	U	-	760
ANTHRACENE	UG/KG	13	0	670	U	-	820	U	-	760
BENZO(A)ANTHRACENE	UG/KG	13	0	670	U	-	820	U	-	760
BENZO(A)PYRENE	UG/KG	13	0	670	U	-	820	U	-	760
BENZO(B)FLUORANTHENE	UG/KG	13	0	670	U	-	820	U	-	760
BENZO(GHI)PERYLENE	UG/KG	13	0	670	U	-	820	U	-	760
BENZO(K)FLUORANTHENE	UG/KG	13	0	670	U	-	820	U	-	760
BENZYL BUTYL PHTHALATE	UG/KG	13	0	670	U	-	820	U	-	760
BIS(2-CHLOROETHOXY) METHANE	UG/KG	13	0	670	U	-	820	U	-	760
BIS(2-CHLOROETHYL)ETHER	UG/KG	13	0	670	U	-	820	U	-	760
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	13	0	670	U	-	820	U	-	760
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	13	0	670	U	-	820	U	-	760
CARBAZOLE	UG/KG	13	0	670	U	-	820	U	-	760
CHRYSENE	UG/KG	13	0	670	U	-	820	U	-	760
DI-N-BUTYL PHTHALATE	UG/KG	13	0	670	U	-	820	U	-	760
DI-N-OCTYL PHTHALATE	UG/KG	13	0	670	U	-	820	U	-	760

Table C - 6c

Site 6: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
DIBENZO(A,H)ANTHRACENE	UG/KG	13	0	670	U	-	820	U	-	760
DIBENZOFURAN	UG/KG	13	0	670	U	-	820	U	-	760
DIETHYL PHTHALATE	UG/KG	13	0	670	U	-	820	U	-	760
DIMETHYL PHTHALATE	UG/KG	13	0	670	U	-	820	U	-	760
FLUORANTHENE	UG/KG	13	0	670	U	-	820	U	-	760
FLUORENE	UG/KG	13	0	670	U	-	820	U	-	760
HEXACHLOROBENZENE	UG/KG	13	0	670	U	-	820	U	-	760
HEXACHLOROBUTADIENE	UG/KG	13	0	670	U	-	820	U	-	760
HEXACHLOROCYCLOPENTADIENE	UG/KG	13	0	670	U	-	820	U	-	760
HEXACHLOROETHANE	UG/KG	13	0	670	U	-	820	U	-	760
INDENO(1,2,3-CD)PYRENE	UG/KG	13	0	670	U	-	820	U	-	760
ISOPHORONE	UG/KG	13	0	670	U	-	820	U	-	760
N-NITROSODIPHENYLAMINE	UG/KG	13	0	670	U	-	820	U	-	760
N-NITROSODIPROPYLAMINE	UG/KG	13	0	670	U	-	820	U	-	760
NAPHTHALENE	UG/KG	13	0	670	U	-	820	U	-	760
NITROBENZENE	UG/KG	13	0	670	U	-	820	U	-	760
PENTACHLOROPHENOL	UG/KG	13	0	1600	U	-	2000	U	-	1800
PHENANTHRENE	UG/KG	13	0	670	U	-	820	U	-	760
PHENOL	UG/KG	13	0	670	U	-	820	U	-	760
PYRENE	UG/KG	13	0	670	U	-	820	U	-	760
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	13	0	12.7	U	-	15.2	U	-	14.3
TFH GASOLINE	MG/KG	13	1	0.05	U	-	0.06		06_DGMW69	0.0579
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	13	0	18	U	-	20	U	-	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 7c

Site 7: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KGW	3	2	100	U	-	212		07_DBMW43	100
METALS										
ALUMINUM	MG/KG	34	34	978		07_DBMW43	21200		07_DBMW70	31
ANTIMONY	MG/KG	34	1	2.5	U	-	3.3	b	07_DBMW70	12.1
ARSENIC	MG/KG	34	33	0.19	b	07_DBMW43	4.6		07_DBMW70	0.7
BARIUM	MG/KG	34	34	11.3	b	07_DBMW43	450		07_DBMW70	0.1
BERYLLIUM	MG/KG	34	13	0.1	U	-	0.96	b	07_DBMW70	0.5
CADMIUM	MG/KG	34	27	0.25	U	-	3		07_DBMW43	0.36
CALCIUM	MG/KG	34	34	425	b	07_DBMW43	23000		07_DBMW70	103
CHROMIUM	MG/KG	34	34	1.3	b	07_DBMW43	22.1		07_DBMW70	3.7
COBALT	MG/KG	34	28	1.2	U	-	9.5	b	07_DBMW70	5.8
COPPER	MG/KG	34	34	0.92	b	07_DBMW43	28.1		07_DBMW70	0.9
IRON	MG/KG	34	34	1320		07_DBMW43	28300		07_DBMW70	2.3
LEAD	MG/KG	34	34	0.62		07_DBMW43	129		07_DBMW70	0.6
MAGNESIUM	MG/KG	34	34	372	b	07_DBMW43	14200		07_DBMW70	14.3
MANGANESE	MG/KG	34	34	35.7		07_DBMW43	502		07_DBMW70	0.8
MERCURY	MG/KG	34	2	0.03	U	-	0.28		07_DBMW100	0.1
NICKEL	MG/KG	34	21	1.6	U	-	17.8		07_DBMW43	3.4
POTASSIUM	MG/KG	34	34	276	b	07_DBMW43	7930		07_DBMW70	191
SELENIUM	MG/KG	34	1	0.1	U	-	0.24	b	07_DBMW43	0.5
SILVER	MG/KG	34	5	0.39	U	-	0.58	b	07_DBMW100	2.1
SODIUM	MG/KG	34	33	152	b	07_DBMW43	885	b	07_DBMW70	12.4
THALLIUM	MG/KG	34	11	0.15	U	-	0.43	b	07_DBMW70	0.7
VANADIUM	MG/KG	34	34	3.4	b	07_DBMW43	67.6		07_DBMW70	1.9
ZINC	MG/KG	34	34	5.2		07_DBMW43	127		07_DBMW70	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	39	0	10	U	-	14	U	-	11
1,1,2,2-TETRACHLOROETHANE	UG/KG	39	0	10	U	-	14	U	-	11
1,1,2-TRICHLOROETHANE	UG/KG	39	0	10	U	-	14	U	-	11
1,1-DICHLOROETHANE	UG/KG	39	0	10	U	-	14	U	-	11
1,1-DICHLOROETHENE	UG/KG	39	1	3	J	07_DGMW71	3	J	07_DGMW71	11
1,2-DICHLOROETHANE	UG/KG	39	0	10	U	-	14	U	-	11

Table C - 7c

Site 7: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2-DICHLOROETHENE (TOTAL)	UG/KG	39	0	10	U	-	14	U	-	11
1,2-DICHLOROPROPANE	UG/KG	39	0	10	U	-	14	U	-	11
2-BUTANONE	UG/KG	39	1	4	J	07_DBMW70	4	J	07_DBMW70	11
2-HEXANONE	UG/KG	39	0	10	U	-	14	U	-	11
4-METHYL-2-PENTANONE	UG/KG	39	0	10	U	-	14	U	-	11
ACETONE	UG/KG	39	4	8	J	07_DBMW100	74		07_DBMW43	11
BENZENE	UG/KG	39	0	10	U	-	14	U	-	11
BROMODICHLOROMETHANE	UG/KG	39	0	10	U	-	14	U	-	11
BROMOFORM	UG/KG	39	0	10	U	-	14	U	-	11
BROMOMETHANE (METHYL BROMIDE)	UG/KG	39	0	10	U	-	14	U	-	11
CARBON DISULFIDE	UG/KG	39	0	10	U	-	14	U	-	11
CARBON TETRACHLORIDE	UG/KG	39	0	10	U	-	14	U	-	11
CHLOROBENZENE	UG/KG	39	0	10	U	-	14	U	-	11
CHLORODIBROMOMETHANE	UG/KG	39	0	10	U	-	14	U	-	11
CHLOROETHANE	UG/KG	39	0	10	U	-	14	U	-	11
CHLOROFORM	UG/KG	39	0	10	U	-	14	U	-	11
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	39	0	10	U	-	14	U	-	11
CIS-1,3-DICHLOROPROPENE	UG/KG	39	0	10	U	-	14	U	-	11
ETHYLBENZENE	UG/KG	39	0	10	U	-	14	U	-	11
METHYLENE CHLORIDE	UG/KG	39	3	4	J	07_DBMW70	10	J	07_DBMW70	11
STYRENE	UG/KG	39	0	10	U	-	14	U	-	11
TETRACHLOROETHENE	UG/KG	39	0	10	U	-	14	U	-	11
TOLUENE	UG/KG	39	1	3	J	07_DBMW70	3	J	07_DBMW70	11
TRANS-1,3-DICHLOROPROPENE	UG/KG	39	0	10	U	-	14	U	-	11
TRICHLOROETHYLENE	UG/KG	39	2	10	U	-	74		07_DGMW71	11
VINYL CHLORIDE	UG/KG	39	0	10	U	-	14	U	-	11
XYLENE (TOTAL)	UG/KG	39	0	10	U	-	14	U	-	11
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	33	0	680	U	-	900	U	-	730
1,2-DICHLOROBENZENE	UG/KG	33	0	680	U	-	900	U	-	730
1,3-DICHLOROBENZENE	UG/KG	33	0	680	U	-	900	U	-	730
1,4-DICHLOROBENZENE	UG/KG	33	0	680	U	-	900	U	-	730
2,4,5-TRICHLOROPHENOL	UG/KG	33	0	1600	U	-	2200	U	-	1800

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Site 7: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4,6-TRICHLOROPHENOL	UG/KG	33	0	680	U	-	900	U	-	730
2,4-DICHLOROPHENOL	UG/KG	33	0	680	U	-	900	U	-	730
2,4-DIMETHYLPHENOL	UG/KG	33	0	680	U	-	900	U	-	730
2,4-DINITROPHENOL	UG/KG	33	0	1600	U	-	2200	U	-	1800
2,4-DINITROTOLUENE	UG/KG	33	0	680	U	-	900	U	-	730
2,6-DINITROTOLUENE	UG/KG	33	0	680	U	-	900	U	-	730
2-CHLORONAPHTHALENE	UG/KG	33	0	680	U	-	900	U	-	730
2-CHLOROPHENOL	UG/KG	33	0	680	U	-	900	U	-	730
2-METHYLNAPHTHALENE	UG/KG	33	0	680	U	-	900	U	-	730
2-METHYLPHENOL	UG/KG	33	0	680	U	-	900	U	-	730
2-NITROANILINE	UG/KG	33	0	1600	U	-	2200	U	-	1800
2-NITROPHENOL	UG/KG	33	0	680	U	-	900	U	-	730
2-PENTANONE,4-HYDROXY-4-METHYL	UG/KG	2	0	6200	U	-	6400	U	-	6400
3,3'-DICHLOROBENZIDINE	UG/KG	33	0	680	U	-	900	U	-	730
3-NITROANILINE	UG/KG	33	0	1600	U	-	2200	U	-	1800
4,6-DINITRO-2-METHYLPHENOL	UG/KG	33	0	1600	U	-	2200	U	-	1800
4-BROMOPHENYL PHENYL ETHER	UG/KG	33	0	680	U	-	900	U	-	730
4-CHLORO-3-METHYLPHENOL	UG/KG	33	0	680	U	-	900	U	-	730
4-CHLOROANILINE	UG/KG	33	0	680	U	-	900	U	-	730
4-CHLOROPHENYL PHENYL ETHER	UG/KG	33	0	680	U	-	900	U	-	730
4-METHYLPHENOL	UG/KG	33	0	680	U	-	900	U	-	730
4-NITROANILINE	UG/KG	33	0	1600	U	-	2200	U	-	1800
4-NITROPHENOL	UG/KG	33	0	1600	U	-	2200	U	-	1800
ACENAPHTHENE	UG/KG	33	0	680	U	-	900	U	-	730
ACENAPHTHYLENE	UG/KG	33	0	680	U	-	900	U	-	730
ANTHRACENE	UG/KG	33	0	680	U	-	900	U	-	730
BENZO(A)ANTHRACENE	UG/KG	33	0	680	U	-	900	U	-	730
BENZO(A)PYRENE	UG/KG	33	0	680	U	-	900	U	-	730
BENZO(B)FLUORANTHENE	UG/KG	33	0	680	U	-	900	U	-	730
BENZO(GHI)PERYLENE	UG/KG	33	0	680	U	-	900	U	-	730
BENZO(K)FLUORANTHENE	UG/KG	33	0	680	U	-	900	U	-	730
BENZYL BUTYL PHTHALATE	UG/KG	33	6	150	J	07_DBMW70	1100		07_DBMW70	730
BIS(2-CHLOROETHOXY) METHANE	UG/KG	33	0	680	U	-	900	U	-	730

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Site 7: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BIS(2-CHLOROETHYL)ETHER	UG/KG	33	0	680	U	-	900	U	-	730
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	33	0	680	U	-	900	U	-	730
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	33	0	680	U	-	900	U	-	730
CARBAZOLE	UG/KG	33	0	680	U	-	900	U	-	730
CHRYSENE	UG/KG	33	0	680	U	-	900	U	-	730
DI-N-BUTYL PHTHALATE	UG/KG	33	0	680	U	-	900	U	-	730
DI-N-OCTYL PHTHALATE	UG/KG	33	0	680	U	-	900	U	-	730
DIBENZO(A,H)ANTHRACENE	UG/KG	33	0	680	U	-	900	U	-	730
DIBENZOFURAN	UG/KG	33	0	680	U	-	900	U	-	730
DIETHYL PHTHALATE	UG/KG	33	0	680	U	-	900	U	-	730
DIMETHYL PHTHALATE	UG/KG	33	0	680	U	-	900	U	-	730
FLUORANTHENE	UG/KG	33	0	680	U	-	900	U	-	730
FLUORENE	UG/KG	33	0	680	U	-	900	U	-	730
HEXACHLOROBENZENE	UG/KG	33	0	680	U	-	900	U	-	730
HEXACHLOROBUTADIENE	UG/KG	33	0	680	U	-	900	U	-	730
HEXACHLOROCYCLOPENTADIENE	UG/KG	33	0	680	U	-	900	U	-	730
HEXACHLOROETHANE	UG/KG	33	0	680	U	-	900	U	-	730
INDENO(1,2,3-CD)PYRENE	UG/KG	33	0	680	U	-	900	U	-	730
ISOPHORONE	UG/KG	33	0	680	U	-	900	U	-	730
N-NITROSODIPHENYLAMINE	UG/KG	33	0	680	U	-	900	U	-	730
N-NITROSODIPROPYLAMINE	UG/KG	33	0	680	U	-	900	U	-	730
NAPHTHALENE	UG/KG	33	0	680	U	-	900	U	-	730
NITROBENZENE	UG/KG	33	0	680	U	-	900	U	-	730
PENTACHLOROPHENOL	UG/KG	33	0	1600	U	-	2200	U	-	1800
PHENANTHRENE	UG/KG	33	0	680	U	-	900	U	-	730
PHENOL	UG/KG	33	0	680	U	-	900	U	-	730
PYRENE	UG/KG	33	0	680	U	-	900	U	-	730
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	33	0	3.39	U	-	4.47	U	-	3.6
4,4'-DDE	UG/KG	33	0	3.39	U	-	4.47	U	-	3.6
4,4'-DDT	UG/KG	33	0	3.39	U	-	4.47	U	-	3.6
ALDRIN	UG/KG	33	0	1.75	U	-	2.3	U	-	1.9
ALPHA-CHLORDANE	UG/KG	33	0	1.75	U	-	2.3	U	-	1.9

Table C - 7c

Site 7: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BHC-ALPHA	UG/KG	33	0	1.75	U	-	2.3	U	-	1.9
BHC-BETA	UG/KG	33	0	1.75	U	-	2.3	U	-	1.9
BHC-DELTA	UG/KG	33	0	1.75	U	-	2.3	U	-	1.9
BHC-GAMMA(LINDANE)	UG/KG	33	0	1.75	U	-	2.3	U	-	1.9
DIELDRIN	UG/KG	33	0	3.39	U	-	4.47	U	-	3.6
ENDOSULFAN I	UG/KG	33	0	1.75	U	-	2.3	U	-	1.9
ENDOSULFAN II	UG/KG	33	0	3.39	U	-	4.47	U	-	3.6
ENDOSULFAN SULFATE	UG/KG	33	0	3.39	U	-	4.47	U	-	3.6
ENDRIN	UG/KG	33	0	3.39	U	-	4.47	U	-	3.6
ENDRIN ALDEHYDE	UG/KG	33	0	3.39	U	-	4.47	U	-	3.6
ENDRIN KETONE	UG/KG	33	0	3.39	U	-	4.47	U	-	3.6
GAMMA-CHLORDANE	UG/KG	33	0	1.75	U	-	2.3	U	-	1.9
HEPTACHLOR	UG/KG	33	0	1.75	U	-	2.3	U	-	1.9
HEPTACHLOR EPOXIDE	UG/KG	33	0	1.75	U	-	2.3	U	-	1.9
METHOXYCHLOR	UG/KG	33	0	17.5	U	-	23	U	-	18.8
PCB-1016	UG/KG	33	0	33.9	U	-	44.7	U	-	36.5
PCB-1221	UG/KG	33	0	68.9	U	-	90.7	U	-	74
PCB-1232	UG/KG	33	0	33.9	U	-	44.7	U	-	36.5
PCB-1242	UG/KG	33	0	33.9	U	-	44.7	U	-	36.5
PCB-1248	UG/KG	33	0	33.9	U	-	44.7	U	-	36.5
PCB-1254	UG/KG	33	0	33.9	U	-	44.7	U	-	36.5
PCB-1260	UG/KG	33	0	33.9	U	-	44.7	U	-	36.5
TOXAPHENE	UG/KG	33	0	175	U	-	230	U	-	188
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	33	0	12.8	U	-	16.7	U	-	13.8
TFH GASOLINE	MG/KG	33	7	0.05	U	-	0.23		07_DBMW43	0.0556
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	33	6	20	U	-	138		07_DBMW43	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 8c

Site 8: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KG	1	1	167	J	08_UGMW29	167	J	08_UGMW29	100
TOTAL ORGANIC CARBON	MG/KGW	3	2	100	U	-	381		08_DGMW73	100
METALS										
ALUMINUM	MG/KG	38	38	1540		08_25B205	21600		08_25B204	31
ANTIMONY	MG/KG	38	0	2.5	U	-	3.3	U	-	12.1
ARSENIC	MG/KG	38	26	0.44	b	08_UGMW29	5.7		08_25B203	0.7
BARIUM	MG/KG	38	38	17.2	b	08_UGMW29	249		08_25B205	0.1
BERYLLIUM	MG/KG	38	6	0.1	U	-	1.1	b	08_25B204	0.5
CADMIUM	MG/KG	38	33	0.25	U	-	4.1		08_25B205	1.2
CALCIUM	MG/KG	38	38	875	b	08_UGMW29	12100		08_25B203	103
CHROMIUM	MG/KG	38	38	2.5		08_25B205	24.7		08_DB202	3.7
COBALT	MG/KG	38	32	1.2	U	-	24		08_25B205	5.8
COPPER	MG/KG	38	38	1.6	b	08_UGMW29	12.3		08_25B203	0.9
IRON	MG/KG	38	38	2070		08_UGMW29	23600		08_25B204	2.3
LEAD	MG/KG	38	36	0.71		08_UGMW29	8.5		08_25B205	0.4
MAGNESIUM	MG/KG	38	38	650	b	08_UGMW29	7880		08_25B204	14.3
MANGANESE	MG/KG	38	38	50.8		08_UGMW29	742		08_25B205	0.8
MERCURY	MG/KG	38	3	0.02	U	-	0.19		08_DB202	0.1
NICKEL	MG/KG	38	23	1.6	U	-	31.2		08_25B205	7.7
POTASSIUM	MG/KG	38	38	500	b	08_UGMW29	4330		08_25B204	191
SELENIUM	MG/KG	38	1	0.1	U	-	0.24	b	08_25B205	0.5
SILVER	MG/KG	38	1	0.33	U	-	0.88	b	08_25B206	0.44
SODIUM	MG/KG	38	36	154	b	08_UGMW29	1170	b	08_25B205	12.4
THALLIUM	MG/KG	38	11	0.15	U	-	0.38	b	08_25B204	0.7
VANADIUM	MG/KG	38	38	6.6	b	08_UGMW29	61.6		08_25B204	1.9
ZINC	MG/KG	38	38	6.6		08_UGMW29	60.2		08_25B204	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	43	0	10	U	-	13	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	43	0	10	U	-	13	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	43	0	10	U	-	13	U	-	10
1,1-DICHLOROETHANE	UG/KG	43	0	10	U	-	13	U	-	10
1,1-DICHLOROETHENE	UG/KG	43	0	10	U	-	13	U	-	10

Table C - 8c

Site 8: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2-DICHLOROETHANE	UG/KG	43	0	10	U	-	13	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	43	0	10	U	-	13	U	-	10
1,2-DICHLOROPROPANE	UG/KG	43	0	10	U	-	13	U	-	10
2-BUTANONE	UG/KG	43	0	10	U	-	13	U	-	10
2-HEXANONE	UG/KG	43	1	8	J	08_25B206	8	J	08_25B206	10
4-METHYL-2-PENTANONE	UG/KG	43	0	10	U	-	13	U	-	10
ACETONE	UG/KG	43	8	10	U	-	210		08_25B203	10
BENZENE	UG/KG	43	0	10	U	-	13	U	-	10
BROMODICHLOROMETHANE	UG/KG	43	0	10	U	-	13	U	-	10
BROMOFORM	UG/KG	43	0	10	U	-	13	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	43	0	10	U	-	13	U	-	10
CARBON DISULFIDE	UG/KG	43	1	3	J	08_25B205	3	J	08_25B205	10
CARBON TETRACHLORIDE	UG/KG	43	0	10	U	-	13	U	-	10
CHLOROBENZENE	UG/KG	43	0	10	U	-	13	U	-	10
CHLORODIBROMOMETHANE	UG/KG	43	0	10	U	-	13	U	-	10
CHLOROETHANE	UG/KG	43	0	10	U	-	13	U	-	10
CHLOROFORM	UG/KG	43	0	10	U	-	13	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	43	0	10	U	-	13	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	43	0	10	U	-	13	U	-	10
ETHYLBENZENE	UG/KG	43	0	10	U	-	13	U	-	10
METHYLENE CHLORIDE	UG/KG	43	5	3	J	08_25B206	6	J	08_25B206	10
STYRENE	UG/KG	43	0	10	U	-	13	U	-	10
TETRACHLOROETHENE	UG/KG	43	0	10	U	-	13	U	-	10
TOLUENE	UG/KG	43	4	2	J	08_25B206	5	J	08_25B206	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	43	0	10	U	-	13	U	-	10
TRICHLOROETHYLENE	UG/KG	43	0	10	U	-	13	U	-	10
VINYL CHLORIDE	UG/KG	43	0	10	U	-	13	U	-	10
XYLENE (TOTAL)	UG/KG	43	0	10	U	-	13	U	-	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	39	0	680	U	-	830	U	-	690
1,2-DICHLOROBENZENE	UG/KG	39	0	680	U	-	830	U	-	690
1,3-DICHLOROBENZENE	UG/KG	39	0	680	U	-	830	U	-	690
1,4-DICHLOROBENZENE	UG/KG	39	0	680	U	-	830	U	-	690

Table C - 8c

Site 8: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4,5-TRICHLOROPHENOL	UG/KG	39	0	1600	U	-	2000	U	-	1700
2,4,6-TRICHLOROPHENOL	UG/KG	39	0	680	U	-	830	U	-	690
2,4-DICHLOROPHENOL	UG/KG	39	0	680	U	-	830	U	-	690
2,4-DIMETHYLPHENOL	UG/KG	39	0	680	U	-	830	U	-	690
2,4-DINITROPHENOL	UG/KG	39	0	1600	U	-	2000	U	-	1700
2,4-DINITROTOLUENE	UG/KG	39	0	680	U	-	830	U	-	690
2,6-DINITROTOLUENE	UG/KG	39	0	680	U	-	830	U	-	690
2-CHLORONAPHTHALENE	UG/KG	39	0	680	U	-	830	U	-	690
2-CHLOROPHENOL	UG/KG	39	0	680	U	-	830	U	-	690
2-METHYLNAPHTHALENE	UG/KG	39	0	680	U	-	830	U	-	690
2-METHYLPHENOL	UG/KG	39	0	680	U	-	830	U	-	690
2-NITROANILINE	UG/KG	39	0	1600	U	-	2000	U	-	1700
2-NITROPHENOL	UG/KG	39	0	680	U	-	830	U	-	690
3,3'-DICHLOROBENZIDINE	UG/KG	39	0	680	U	-	830	U	-	690
3-NITROANILINE	UG/KG	39	0	1600	U	-	2000	U	-	1700
4,6-DINITRO-2-METHYLPHENOL	UG/KG	39	0	1600	U	-	2000	U	-	1700
4-BROMOPHENYL PHENYL ETHER	UG/KG	39	0	680	U	-	830	U	-	690
4-CHLORO-3-METHYLPHENOL	UG/KG	39	0	680	U	-	830	U	-	690
4-CHLOROANILINE	UG/KG	39	0	680	U	-	830	U	-	690
4-CHLOROPHENYL PHENYL ETHER	UG/KG	39	0	680	U	-	830	U	-	690
4-METHYLPHENOL	UG/KG	39	0	680	U	-	830	U	-	690
4-NITROANILINE	UG/KG	39	0	1600	U	-	2000	U	-	1700
4-NITROPHENOL	UG/KG	39	0	1600	U	-	2000	U	-	1700
ACENAPHTHENE	UG/KG	39	0	680	U	-	830	U	-	690
ACENAPHTHYLENE	UG/KG	39	0	680	U	-	830	U	-	690
ANTHRACENE	UG/KG	39	0	680	U	-	830	U	-	690
BENZO(A)ANTHRACENE	UG/KG	39	0	680	U	-	830	U	-	690
BENZO(A)PYRENE	UG/KG	39	0	680	U	-	830	U	-	690
BENZO(B)FLUORANTHENE	UG/KG	39	0	680	U	-	830	U	-	690
BENZO(GHI)PERYLENE	UG/KG	39	0	680	U	-	830	U	-	690
BENZO(K)FLUORANTHENE	UG/KG	39	0	680	U	-	830	U	-	690
BENZYL BUTYL PHTHALATE	UG/KG	39	3	250	J	08_25B203	400	J	08_DB202	690
BIS(2-CHLOROETHOXY) METHANE	UG/KG	39	0	680	U	-	830	U	-	690

Table C - 8c

Site 8: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BIS(2-CHLOROETHYL)ETHER	UG/KG	39	0	680	U	-	830	U	-	690
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	39	0	680	U	-	830	U	-	690
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	39	2	580	J	08_25B206	900		08_DGMW73	690
CARBAZOLE	UG/KG	39	0	680	U	-	830	U	-	690
CHRYSENE	UG/KG	39	0	680	U	-	830	U	-	690
DI-N-BUTYL PHTHALATE	UG/KG	39	0	680	U	-	830	U	-	690
DI-N-OCTYL PHTHALATE	UG/KG	39	0	680	U	-	830	U	-	690
DIBENZO(A,H)ANTHRACENE	UG/KG	39	0	680	U	-	830	U	-	690
DIBENZOFURAN	UG/KG	39	0	680	U	-	830	U	-	690
DIETHYL PHTHALATE	UG/KG	39	0	680	U	-	830	U	-	690
DIMETHYL PHTHALATE	UG/KG	39	0	680	U	-	830	U	-	690
FLUORANTHENE	UG/KG	39	0	680	U	-	830	U	-	690
FLUORENE	UG/KG	39	0	680	U	-	830	U	-	690
HEXACHLOROBENZENE	UG/KG	39	0	680	U	-	830	U	-	690
HEXACHLOROBUTADIENE	UG/KG	39	0	680	U	-	830	U	-	690
HEXACHLOROCYCLOPENTADIENE	UG/KG	39	0	680	U	-	830	U	-	690
HEXACHLOROETHANE	UG/KG	39	0	680	U	-	830	U	-	690
INDENO(1,2,3-CD)PYRENE	UG/KG	39	0	680	U	-	830	U	-	690
ISOPHORONE	UG/KG	39	0	680	U	-	830	U	-	690
N-NITROSODIPHENYLAMINE	UG/KG	39	0	680	U	-	830	U	-	690
N-NITROSODIPROPYLAMINE	UG/KG	39	0	680	U	-	830	U	-	690
NAPHTHALENE	UG/KG	39	0	680	U	-	830	U	-	690
NITROBENZENE	UG/KG	39	0	680	U	-	830	U	-	690
PENTACHLOROPHENOL	UG/KG	39	0	1600	U	-	2000	U	-	1700
PHENANTHRENE	UG/KG	39	0	680	U	-	830	U	-	690
PHENOL	UG/KG	39	0	680	U	-	830	U	-	690
PYRENE	UG/KG	39	0	680	U	-	830	U	-	690
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	39	0	3.36	U	-	4.12	U	-	3.41
4,4'-DDE	UG/KG	39	0	3.36	U	-	4.12	U	-	3.41
4,4'-DDT	UG/KG	39	0	3.36	U	-	4.12	U	-	3.41
ALDRIN	UG/KG	39	0	1.73	U	-	2.12	U	-	1.76
ALPHA-CHLORDANE	UG/KG	39	0	1.73	U	-	2.12	U	-	1.76

Table C - 8c

Site 8: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BHC-ALPHA	UG/KG	39	0	1.73	U	-	2.12	U	-	1.76
BHC-BETA	UG/KG	39	0	1.73	U	-	2.12	U	-	1.76
BHC-DELTA	UG/KG	39	1	1.73	U	-	1.88	M	08_DB202	1.76
BHC-GAMMA(LINDANE)	UG/KG	39	0	1.73	U	-	2.12	U	-	1.76
DIELDRIN	UG/KG	39	0	3.36	U	-	4.12	U	-	3.41
ENDOSULFAN I	UG/KG	39	0	1.73	U	-	2.12	U	-	1.76
ENDOSULFAN II	UG/KG	39	0	3.36	U	-	4.12	U	-	3.41
ENDOSULFAN SULFATE	UG/KG	39	1	0.91	J	08_25B206	0.91	J	08_25B206	3.41
ENDRIN	UG/KG	39	0	3.36	U	-	4.12	U	-	3.41
ENDRIN ALDEHYDE	UG/KG	38	0	3.36	U	-	4.12	U	-	3.5
ENDRIN KETONE	UG/KG	39	0	3.36	U	-	4.12	U	-	3.41
GAMMA-CHLORDANE	UG/KG	39	0	1.73	U	-	2.12	U	-	1.76
HEPTACHLOR	UG/KG	39	0	1.73	U	-	2.12	U	-	1.76
HEPTACHLOR EPOXIDE	UG/KG	39	0	1.73	U	-	2.12	U	-	1.76
METHOXYCHLOR	UG/KG	39	0	17.3	U	-	21.2	U	-	17.6
PCB-1016	UG/KG	39	0	33.6	U	-	41.2	U	-	34.1
PCB-1221	UG/KG	39	0	68.3	U	-	83.7	U	-	69.2
PCB-1232	UG/KG	39	0	33.6	U	-	41.2	U	-	34.1
PCB-1242	UG/KG	39	0	33.6	U	-	41.2	U	-	34.1
PCB-1248	UG/KG	39	0	33.6	U	-	41.2	U	-	34.1
PCB-1254	UG/KG	39	0	33.6	U	-	41.2	U	-	34.1
PCB-1260	UG/KG	39	0	33.6	U	-	41.2	U	-	34.1
TOXAPHENE	UG/KG	39	0	173	U	-	212	U	-	176
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	39	7	12.8	U	-	39.1		08_25B204	13
TFH GASOLINE	MG/KG	38	10	0.05	U	-	2.4		08_25B205	0.052
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	38	18	20	U	-	596		08_DB202	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 9c

Site 9: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KGW	2	1	100	U	-	177		09_DBMW45	100
METALS										
ALUMINUM	MG/KG	18	18	3170		09_DBMW45	32900		09_25B207	7.6
ANTIMONY	MG/KG	18	0	2.3	U	-	3.3	U	-	2.4
ARSENIC	MG/KG	18	18	0.87	b	09_DBMW45	7.3		09_25B207	0.7
BARIUM	MG/KG	18	18	77		09_DBMW45	6620		09_DBMW45	0.3
BERYLLIUM	MG/KG	18	15	0.17	U	-	1.2	b	09_25B207	0.8
CADMIUM	MG/KG	18	14	0.63	U	-	2.2		09_DBMW45	1
CALCIUM	MG/KG	18	18	2220		09_DBMW45	22800		09_25B207	39.5
CHROMIUM	MG/KG	18	18	6.9		09_DBMW45	29.8		09_DGMW75	3.3
COBALT	MG/KG	18	18	2.5	b	09_DBMW45	16.1		09_25B207	7.8
COPPER	MG/KG	18	18	5.3	b	09_DBMW45	40.6		09_DBMW45	1.1
IRON	MG/KG	18	18	5280		09_DBMW45	35900		09_25B207	8.3
LEAD	MG/KG	18	18	1.2		09_DBMW45	15.3		09_DBMW45	0.5
MAGNESIUM	MG/KG	18	18	1350		09_DBMW45	20500		09_25B207	11.4
MANGANESE	MG/KG	18	18	119		09_DBMW45	471		09_25B207	0.8
MERCURY	MG/KG	18	1	0.01	U	-	0.06		09_DBMW45	0.1
NICKEL	MG/KG	18	18	5.9	b	09_25B207	18.1		09_25B207	7.8
POTASSIUM	MG/KG	18	18	1070		09_DBMW45	10100		09_25B207	148
SELENIUM	MG/KG	18	2	0.09	U	-	0.09	b	09_DBMW45	0.4
SILVER	MG/KG	18	11	0.3	U	-	0.76	b	09_25B207	0.31
SODIUM	MG/KG	18	17	396	U	-	4450		09_25B207	18.6
THALLIUM	MG/KG	18	8	0.17	U	-	0.32	b	09_DBMW45	0.8
VANADIUM	MG/KG	18	18	13		09_DBMW45	88.6		09_25B207	1.3
ZINC	MG/KG	18	18	13.7		09_DBMW45	124		09_DBMW45	1.6
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	19	0	11	U	-	12	U	-	11
1,1,2,2-TETRACHLOROETHANE	UG/KG	19	0	11	U	-	12	U	-	11
1,1,2-TRICHLOROETHANE	UG/KG	19	0	11	U	-	12	U	-	11
1,1-DICHLOROETHANE	UG/KG	19	0	11	U	-	12	U	-	11
1,1-DICHLOROETHENE	UG/KG	19	0	11	U	-	12	U	-	11
1,2-DICHLOROETHANE	UG/KG	19	0	11	U	-	12	U	-	11

Table C - 9c

Site 9: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2-DICHLOROETHENE (TOTAL)	UG/KG	19	0	11	U	-	12	U	-	11
1,2-DICHLOROPROPANE	UG/KG	19	0	11	U	-	12	U	-	11
2-BUTANONE	UG/KG	19	0	11	U	-	12	U	-	11
2-HEXANONE	UG/KG	19	0	11	U	-	12	U	-	11
4-METHYL-2-PENTANONE	UG/KG	19	0	11	U	-	12	U	-	11
ACETONE	UG/KG	19	12	11	U	-	48		09_25B207	11
BENZENE	UG/KG	19	0	11	U	-	12	U	-	11
BROMODICHLOROMETHANE	UG/KG	19	0	11	U	-	12	U	-	11
BROMOFORM	UG/KG	19	0	11	U	-	12	U	-	11
BROMOMETHANE (METHYL BROMIDE)	UG/KG	19	0	11	U	-	12	U	-	11
CARBON DISULFIDE	UG/KG	19	0	11	U	-	12	U	-	11
CARBON TETRACHLORIDE	UG/KG	19	0	11	U	-	12	U	-	11
CHLOROBENZENE	UG/KG	19	0	11	U	-	12	U	-	11
CHLORODIBROMOMETHANE	UG/KG	19	0	11	U	-	12	U	-	11
CHLOROETHANE	UG/KG	19	0	11	U	-	12	U	-	11
CHLOROFORM	UG/KG	19	0	11	U	-	12	U	-	11
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	19	0	11	U	-	12	U	-	11
CIS-1,3-DICHLOROPROPENE	UG/KG	19	0	11	U	-	12	U	-	11
ETHYLBENZENE	UG/KG	19	0	11	U	-	12	U	-	11
METHYLENE CHLORIDE	UG/KG	19	0	10	U	-	19	U	-	11
STYRENE	UG/KG	19	0	11	U	-	12	U	-	11
TETRACHLOROETHENE	UG/KG	19	0	11	U	-	12	U	-	11
TOLUENE	UG/KG	19	3	3	J	09_DBMW45	6	J	09_DBMW45	11
TRANS-1,3-DICHLOROPROPENE	UG/KG	19	0	11	U	-	12	U	-	11
TRICHLOROETHYLENE	UG/KG	19	0	11	U	-	12	U	-	11
VINYL CHLORIDE	UG/KG	19	0	11	U	-	12	U	-	11
XYLENE (TOTAL)	UG/KG	19	0	11	U	-	12	U	-	11
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	18	0	700	U	-	810	U	-	710
1,2-DICHLOROBENZENE	UG/KG	18	0	700	U	-	810	U	-	710
1,3-DICHLOROBENZENE	UG/KG	18	0	700	U	-	810	U	-	710
1,4-DICHLOROBENZENE	UG/KG	18	0	700	U	-	810	U	-	710
2,4,5-TRICHLOROPHENOL	UG/KG	18	0	1700	U	-	2000	U	-	1700

Table C - 9c

Site 9: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4,6-TRICHLOROPHENOL	UG/KG	18	0	700	U	-	810	U	-	710
2,4-DICHLOROPHENOL	UG/KG	18	0	700	U	-	810	U	-	710
2,4-DIMETHYLPHENOL	UG/KG	18	0	700	U	-	810	U	-	710
2,4-DINITROPHENOL	UG/KG	18	0	1700	U	-	2000	U	-	1700
2,4-DINITROTOLUENE	UG/KG	18	0	700	U	-	810	U	-	710
2,6-DINITROTOLUENE	UG/KG	18	0	700	U	-	810	U	-	710
2-CHLORONAPHTHALENE	UG/KG	18	0	700	U	-	810	U	-	710
2-CHLOROPHENOL	UG/KG	18	0	700	U	-	810	U	-	710
2-METHYLNAPHTHALENE	UG/KG	18	0	700	U	-	810	U	-	710
2-METHYLPHENOL	UG/KG	18	0	700	U	-	810	U	-	710
2-NITROANILINE	UG/KG	18	0	1700	U	-	2000	U	-	1700
2-NITROPHENOL	UG/KG	18	0	700	U	-	810	U	-	710
3,3'-DICHLOROBENZIDINE	UG/KG	18	0	700	U	-	810	U	-	710
3-NITROANILINE	UG/KG	18	0	1700	U	-	2000	U	-	1700
4,6-DINITRO-2-METHYLPHENOL	UG/KG	18	0	1700	U	-	2000	U	-	1700
4-BROMOPHENYL PHENYL ETHER	UG/KG	18	0	700	U	-	810	U	-	710
4-CHLORO-3-METHYLPHENOL	UG/KG	18	0	700	U	-	810	U	-	710
4-CHLOROANILINE	UG/KG	18	0	700	U	-	810	U	-	710
4-CHLOROPHENYL PHENYL ETHER	UG/KG	18	0	700	U	-	810	U	-	710
4-METHYLPHENOL	UG/KG	18	0	700	U	-	810	U	-	710
4-NITROANILINE	UG/KG	18	0	1700	U	-	2000	U	-	1700
4-NITROPHENOL	UG/KG	18	0	1700	U	-	2000	U	-	1700
ACENAPHTHENE	UG/KG	18	0	700	U	-	810	U	-	710
ACENAPHTHYLENE	UG/KG	18	0	700	U	-	810	U	-	710
ANTHRACENE	UG/KG	18	0	700	U	-	810	U	-	710
BENZO(A)ANTHRACENE	UG/KG	18	0	700	U	-	810	U	-	710
BENZO(A)PYRENE	UG/KG	18	0	700	U	-	810	U	-	710
BENZO(B)FLUORANTHENE	UG/KG	18	0	700	U	-	810	U	-	710
BENZO(GHI)PERYLENE	UG/KG	18	0	700	U	-	810	U	-	710
BENZO(K)FLUORANTHENE	UG/KG	18	0	700	U	-	810	U	-	710
BENZYL BUTYL PHTHALATE	UG/KG	18	1	270	J	09_DBMW45	270	J	09_DBMW45	710
BIS(2-CHLOROETHOXY) METHANE	UG/KG	18	0	700	U	-	810	U	-	710
BIS(2-CHLOROETHYL)ETHER	UG/KG	18	0	700	U	-	810	U	-	710

Table C - 9c

Site 9: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	18	0	700	U	-	810	U	-	710
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	18	2	460	J	09_DBMW45	6500		09_25B207	710
CARBAZOLE	UG/KG	18	0	700	U	-	810	U	-	710
CHRYSENE	UG/KG	18	0	700	U	-	810	U	-	710
DI-N-BUTYL PHTHALATE	UG/KG	18	0	700	U	-	810	U	-	710
DI-N-OCTYL PHTHALATE	UG/KG	18	0	700	U	-	810	U	-	710
DIBENZO(A,H)ANTHRACENE	UG/KG	18	0	700	U	-	810	U	-	710
DIBENZOFURAN	UG/KG	18	0	700	U	-	810	U	-	710
DIETHYL PHTHALATE	UG/KG	18	0	700	U	-	810	U	-	710
DIMETHYL PHTHALATE	UG/KG	18	0	700	U	-	810	U	-	710
FLUORANTHENE	UG/KG	18	0	700	U	-	810	U	-	710
FLUORENE	UG/KG	18	0	700	U	-	810	U	-	710
HEXACHLOROBENZENE	UG/KG	18	0	700	U	-	810	U	-	710
HEXACHLOROBUTADIENE	UG/KG	18	0	700	U	-	810	U	-	710
HEXACHLOROCYCLOPENTADIENE	UG/KG	18	0	700	U	-	810	U	-	710
HEXACHLOROETHANE	UG/KG	18	0	700	U	-	810	U	-	710
INDENO(1,2,3-CD)PYRENE	UG/KG	18	0	700	U	-	810	U	-	710
ISOPHORONE	UG/KG	18	0	700	U	-	810	U	-	710
N-NITROSODIPHENYLAMINE	UG/KG	18	0	700	U	-	810	U	-	710
N-NITROSODIPROPYLAMINE	UG/KG	18	0	700	U	-	810	U	-	710
NAPHTHALENE	UG/KG	18	0	700	U	-	810	U	-	710
NITROBENZENE	UG/KG	18	0	700	U	-	810	U	-	710
PENTACHLOROPHENOL	UG/KG	18	0	1700	U	-	2000	U	-	1700
PHENANTHRENE	UG/KG	18	0	700	U	-	810	U	-	710
PHENOL	UG/KG	18	0	700	U	-	810	U	-	710
PYRENE	UG/KG	18	0	700	U	-	810	U	-	710
DIOXINS AND FURANS										
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-D	NG/G	4	0	0.07	U	-	0.54	U	-	0.07
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURA	NG/G	4	0	0.05	U	-	0.39	U	-	0.05
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURA	NG/G	4	0	0.09	U	-	0.62	U	-	0.09
1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOX	NG/G	4	0	0.1	U	-	0.67	U	-	0.1
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	NG/G	4	0	0.09	U	-	0.51	U	-	0.51
1,2,3,6,7,8-HEXACHLORODIBENZO	NG/G	4	0	0.09	U	-	0.82	U	-	0.09

Table C - 9c

Site 9: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	NG/G	4	0	0.09	U	-	0.56	U	-	0.56
1,2,3,7,8,9-HEXACHLORODIBENZO-p-DIOX	NG/G	4	0	0.07	U	-	0.55	U	-	0.07
1,2,3,7,8,9-HEXACHLORODIBENZOFURANS	NG/G	4	0	0.1	U	-	0.56	U	-	0.56
1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXI	NG/G	4	0	0.03	U	-	0.25	U	-	0.03
1,2,3,7,8-PENTACHLORODIBENZOFURAN	NG/G	4	0	0.02	U	-	0.15	U	-	0.15
2,3,4,7,8-PENTACHLORODIBENZOFURAN	NG/G	4	0	0.04	U	-	0.31	U	-	0.31
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	NG/G	4	0	0.03	U	-	0.22	U	-	0.03
2,3,7,8-TETRACHLORODIBENZOFURAN	NG/G	4	0	0.01	U	-	0.09	U	-	0.09
HEPTACHLORODIBENZO-P-DIOXINS	NG/G	4	0	0.07	U	-	0.54	U	-	0.07
HEPTACHLORODIBENZOFURANS	NG/G	4	0	0.09	U	-	0.62	U	-	0.09
HEXACHLORODIBENZOFURANS	NG/G	4	0	0.1	U	-	0.56	U	-	0.56
HEXACHLORODIBENZOFURNS	NG/G	4	0	0.08	U	-	0.45	U	-	0.45
HEXACHLORODIBENZPO-P-DIOXINS	NG/G	4	0	0.1	U	-	0.82	U	-	0.1
OCTACHLORODIBENZO-P-DIOXINS	NG/G	4	0	0.14	U	-	1.7	U	-	0.14
OCTACHLORODIBENZOFURAN	NG/G	4	0	0.1	U	-	1	U	-	0.1
PENTACHLORODIBENZO-P-DIOXINS	NG/G	4	0	0.03	U	-	0.25	U	-	0.03
PENTACHLORODIBENZOFURANS	NG/G	4	0	0.04	U	-	0.31	U	-	0.31
TETRACHLORODIBENZO-P-DIOXINS	NG/G	4	0	0.03	U	-	0.22	U	-	0.03
TETRACHLORODIBENZOFURANS	NG/G	4	0	0.01	U	-	0.09	U	-	0.09
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	18	0	13.1	U	-	15.3	U	-	15
TFH GASOLINE	MG/KG	18	7	0.05	U	-	0.55		09_25B207	0.0601
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	16	4	20	U	-	228		09_DBMW45	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 10c

Site 10: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KGW	1	0	100	U	-	100	U	-	100
METALS										
ALUMINUM	MG/KG	16	16	2130		10_DB208	24100		10_25B209	31
ANTIMONY	MG/KG	16	1	2.5	U	-	2.8	b	10_25B209	12.1
ARSENIC	MG/KG	16	16	0.31	b	10_DB208	5		10_25B209	0.7
BARIUM	MG/KG	16	16	13	b	10_DB208	219		10_DB208	0.1
BERYLLIUM	MG/KG	16	7	0.11	U	-	0.45	b	10_DB208	0.5
CADMIUM	MG/KG	16	14	0.25	U	-	2.4		10_DB208	1.2
CALCIUM	MG/KG	16	16	464	b	10_25B209	69800		10_25B209	103
CHROMIUM	MG/KG	16	16	2.2	b	10_DB208	20.7		10_DB208	3.7
COBALT	MG/KG	16	16	1.4	b	10_25B209	8.2	b	10_25B209	5.8
COPPER	MG/KG	16	16	2.3	b	10_25B209	14		10_25B209	0.9
IRON	MG/KG	16	16	2590		10_25B209	23900		10_25B209	2.3
LEAD	MG/KG	16	16	0.77		10_DB208	12.6		10_25B209	0.6
MAGNESIUM	MG/KG	16	16	508	b	10_DB208	11400		10_DB208	14.3
MANGANESE	MG/KG	16	16	62.1		10_DB208	356		10_DB208	0.8
MERCURY	MG/KG	16	2	0.03	U	-	0.7		10_DB208	0.04
NICKEL	MG/KG	16	10	1.7	U	-	16.4		10_DB208	7.7
POTASSIUM	MG/KG	16	16	422	b	10_DB208	6160		10_DB208	191
SELENIUM	MG/KG	16	3	0.11	U	-	0.14	b	10_DB208	0.5
SILVER	MG/KG	16	0	0.44	U	-	0.56	U	-	2.1
SODIUM	MG/KG	16	16	295	b	10_DB208	2270		10_DB208	12.4
THALLIUM	MG/KG	16	0	0.15	U	-	0.6	U	-	0.6
VANADIUM	MG/KG	16	16	5.8	b	10_25B209	61.5		10_25B209	1.9
ZINC	MG/KG	16	16	6.1		10_DB208	68.8		10_DB208	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	18	0	10	U	-	14	U	-	14
1,1,2,2-TETRACHLOROETHANE	UG/KG	18	0	10	U	-	14	U	-	14
1,1,2-TRICHLOROETHANE	UG/KG	18	0	10	U	-	14	U	-	14
1,1-DICHLOROETHANE	UG/KG	18	0	10	U	-	14	U	-	14
1,1-DICHLOROETHENE	UG/KG	18	0	10	U	-	14	U	-	14
1,2-DICHLOROETHANE	UG/KG	18	0	10	U	-	14	U	-	10

Table C - 10c

Site 10: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2-DICHLOROETHENE (TOTAL)	UG/KG	18	0	10	U	-	14	U	-	14
1,2-DICHLOROPROPANE	UG/KG	18	0	10	U	-	14	U	-	14
2-BUTANONE	UG/KG	18	3	3	J	10_25B209	3	J	10_25B209	14
2-HEXANONE	UG/KG	18	0	10	U	-	14	U	-	14
4-METHYL-2-PENTANONE	UG/KG	18	0	10	U	-	14	U	-	10
ACETONE	UG/KG	18	3	10	U	-	76		10_DGMW77	14
BENZENE	UG/KG	18	0	10	U	-	14	U	-	14
BROMODICHLOROMETHANE	UG/KG	18	0	10	U	-	14	U	-	14
BROMOFORM	UG/KG	18	0	10	U	-	14	U	-	14
BROMOMETHANE (METHYL BROMIDE)	UG/KG	18	0	10	U	-	14	U	-	14
CARBON DISULFIDE	UG/KG	18	0	10	U	-	14	U	-	14
CARBON TETRACHLORIDE	UG/KG	18	0	10	U	-	14	U	-	14
CHLOROBENZENE	UG/KG	18	0	10	U	-	14	U	-	10
CHLORODIBROMOMETHANE	UG/KG	18	0	10	U	-	14	U	-	10
CHLOROETHANE	UG/KG	18	0	10	U	-	14	U	-	14
CHLOROFORM	UG/KG	18	0	10	U	-	14	U	-	14
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	18	0	10	U	-	14	U	-	14
CIS-1,3-DICHLOROPROPENE	UG/KG	18	0	10	U	-	14	U	-	10
ETHYLBENZENE	UG/KG	18	0	10	U	-	14	U	-	10
METHYLENE CHLORIDE	UG/KG	18	1	4	J	10_DGMW77	4	J	10_DGMW77	14
STYRENE	UG/KG	18	0	10	U	-	14	U	-	10
TETRACHLOROETHENE	UG/KG	18	0	10	U	-	14	U	-	10
TOLUENE	UG/KG	18	0	10	U	-	14	U	-	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	18	0	10	U	-	14	U	-	10
TRICHLOROETHYLENE	UG/KG	18	0	10	U	-	14	U	-	14
VINYL CHLORIDE	UG/KG	18	0	10	U	-	14	U	-	14
XYLENE (TOTAL)	UG/KG	18	0	10	U	-	14	U	-	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	17	0	670	U	-	890	U	-	890
1,2-DICHLOROBENZENE	UG/KG	17	0	670	U	-	890	U	-	890
1,3-DICHLOROBENZENE	UG/KG	17	0	670	U	-	890	U	-	890
1,4-DICHLOROBENZENE	UG/KG	17	0	670	U	-	890	U	-	890
2,4,5-TRICHLOROPHENOL	UG/KG	17	0	1600	U	-	2200	U	-	2200

Table C - 10c

Site 10: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4,6-TRICHLOROPHENOL	UG/KG	17	0	670	U	-	890	U	-	890
2,4-DICHLOROPHENOL	UG/KG	17	0	670	U	-	890	U	-	890
2,4-DIMETHYLPHENOL	UG/KG	17	0	670	U	-	890	U	-	890
2,4-DINITROPHENOL	UG/KG	17	0	1600	U	-	2200	U	-	2200
2,4-DINITROTOLUENE	UG/KG	17	0	670	U	-	890	U	-	890
2,6-DINITROTOLUENE	UG/KG	17	0	670	U	-	890	U	-	890
2-CHLORONAPHTHALENE	UG/KG	17	0	670	U	-	890	U	-	890
2-CHLOROPHENOL	UG/KG	17	0	670	U	-	890	U	-	890
2-METHYLNAPHTHALENE	UG/KG	17	0	670	U	-	890	U	-	890
2-METHYLPHENOL	UG/KG	17	0	670	U	-	890	U	-	890
2-NITROANILINE	UG/KG	17	0	1600	U	-	2200	U	-	2200
2-NITROPHENOL	UG/KG	17	0	670	U	-	890	U	-	890
3,3'-DICHLOROBENZIDINE	UG/KG	17	0	670	U	-	890	U	-	890
3-NITROANILINE	UG/KG	17	0	1600	U	-	2200	U	-	2200
4,6-DINITRO-2-METHYLPHENOL	UG/KG	17	0	1600	U	-	2200	U	-	2200
4-BROMOPHENYL PHENYL ETHER	UG/KG	17	0	670	U	-	890	U	-	890
4-CHLORO-3-METHYLPHENOL	UG/KG	17	0	670	U	-	890	U	-	890
4-CHLOROANILINE	UG/KG	17	0	670	U	-	890	U	-	890
4-CHLOROPHENYL PHENYL ETHER	UG/KG	17	0	670	U	-	890	U	-	890
4-METHYLPHENOL	UG/KG	17	0	670	U	-	890	U	-	890
4-NITROANILINE	UG/KG	17	0	1600	U	-	2200	U	-	2200
4-NITROPHENOL	UG/KG	17	0	1600	U	-	2200	U	-	2200
ACENAPHTHENE	UG/KG	17	0	670	U	-	890	U	-	890
ACENAPHTHYLENE	UG/KG	17	0	670	U	-	890	U	-	890
ANTHRACENE	UG/KG	17	0	670	U	-	890	U	-	890
BENZO(A)ANTHRACENE	UG/KG	17	0	670	U	-	890	U	-	890
BENZO(A)PYRENE	UG/KG	17	0	670	U	-	890	U	-	890
BENZO(B)FLUORANTHENE	UG/KG	17	0	670	U	-	890	U	-	890
BENZO(GHI)PERYLENE	UG/KG	17	0	670	U	-	890	U	-	890
BENZO(K)FLUORANTHENE	UG/KG	17	0	670	U	-	890	U	-	890
BENZYL BUTYL PHTHALATE	UG/KG	17	0	670	U	-	890	U	-	890
BIS(2-CHLOROETHOXY) METHANE	UG/KG	17	0	670	U	-	890	U	-	890
BIS(2-CHLOROETHYL)ETHER	UG/KG	17	0	670	U	-	890	U	-	890

Table C - 10c

Site 10: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	17	0	670	U	-	890	U	-	890
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	17	0	670	U	-	890	U	-	890
CARBAZOLE	UG/KG	17	0	670	U	-	890	U	-	890
CHRYSENE	UG/KG	17	0	670	U	-	890	U	-	890
DI-N-BUTYL PHTHALATE	UG/KG	17	0	670	U	-	890	U	-	890
DI-N-OCTYL PHTHALATE	UG/KG	17	0	670	U	-	890	U	-	890
DIBENZO(A,H)ANTHRACENE	UG/KG	17	0	670	U	-	890	U	-	890
DIBENZOFURAN	UG/KG	17	0	670	U	-	890	U	-	890
DIETHYL PHTHALATE	UG/KG	17	0	670	U	-	890	U	-	890
DIMETHYL PHTHALATE	UG/KG	17	0	670	U	-	890	U	-	890
FLUORANTHENE	UG/KG	17	0	670	U	-	890	U	-	890
FLUORENE	UG/KG	17	0	670	U	-	890	U	-	890
HEXACHLOROBENZENE	UG/KG	17	0	670	U	-	890	U	-	890
HEXACHLOROBUTADIENE	UG/KG	17	0	670	U	-	890	U	-	890
HEXACHLOROCYCLOPENTADIENE	UG/KG	17	0	670	U	-	890	U	-	890
HEXACHLOROETHANE	UG/KG	17	0	670	U	-	890	U	-	890
INDENO(1,2,3-CD)PYRENE	UG/KG	17	0	670	U	-	890	U	-	890
ISOPHORONE	UG/KG	17	0	670	U	-	890	U	-	890
N-NITROSODIPHENYLAMINE	UG/KG	17	0	670	U	-	890	U	-	890
N-NITROSODIPROPYLAMINE	UG/KG	17	0	670	U	-	890	U	-	890
NAPHTHALENE	UG/KG	17	0	670	U	-	890	U	-	890
NITROBENZENE	UG/KG	17	0	670	U	-	890	U	-	890
PENTACHLOROPHENOL	UG/KG	17	0	1600	U	-	2200	U	-	2200
PHENANTHRENE	UG/KG	17	0	670	U	-	890	U	-	890
PHENOL	UG/KG	17	0	670	U	-	890	U	-	890
PYRENE	UG/KG	17	0	670	U	-	890	U	-	890
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	17	0	3.33	U	-	4.42	U	-	4.4
4,4'-DDE	UG/KG	17	0	3.33	U	-	4.42	U	-	4.4
4,4'-DDT	UG/KG	17	0	3.33	U	-	4.42	U	-	4.4
ALDRIN	UG/KG	17	0	1.72	U	-	2.28	U	-	2.3
ALPHA-CHLORDANE	UG/KG	17	0	1.72	U	-	2.28	U	-	2.3
BHC-ALPHA	UG/KG	17	0	1.72	U	-	2.28	U	-	2.3

Table C - 10c

Site 10: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BHC-BETA	UG/KG	17	0	1.72	U	-	2.28	U	-	2.3
BHC-DELTA	UG/KG	17	0	1.72	U	-	2.28	U	-	2.3
BHC-GAMMA(LINDANE)	UG/KG	17	0	1.72	U	-	2.28	U	-	2.3
DIELDRIN	UG/KG	17	0	3.33	U	-	4.42	U	-	4.4
ENDOSULFAN I	UG/KG	17	0	1.72	U	-	2.28	U	-	2.3
ENDOSULFAN II	UG/KG	17	0	3.33	U	-	4.42	U	-	4.4
ENDOSULFAN SULFATE	UG/KG	17	0	3.33	U	-	4.42	U	-	4.4
ENDRIN	UG/KG	17	0	3.33	U	-	4.42	U	-	4.4
ENDRIN ALDEHYDE	UG/KG	14	0	3.33	U	-	4.42	U	-	4.4
ENDRIN KETONE	UG/KG	17	0	3.33	U	-	4.42	U	-	4.4
GAMMA-CHLORDANE	UG/KG	17	0	1.72	U	-	2.28	U	-	2.3
HEPTACHLOR	UG/KG	17	0	1.72	U	-	2.28	U	-	2.3
HEPTACHLOR EPOXIDE	UG/KG	17	0	1.72	U	-	2.28	U	-	2.3
METHOXYCHLOR	UG/KG	17	0	17.2	U	-	22.8	U	-	22.8
PCB-1016	UG/KG	17	0	33.3	U	-	44.2	U	-	44.2
PCB-1221	UG/KG	17	0	67.6	U	-	89.7	U	-	89.7
PCB-1232	UG/KG	17	0	33.3	U	-	44.2	U	-	44.2
PCB-1242	UG/KG	17	0	33.3	U	-	44.2	U	-	44.2
PCB-1248	UG/KG	17	0	33.3	U	-	44.2	U	-	44.2
PCB-1254	UG/KG	17	0	33.3	U	-	44.2	U	-	44.2
PCB-1260	UG/KG	17	0	33.3	U	-	44.2	U	-	44.2
TOXAPHENE	UG/KG	17	0	172	U	-	228	U	-	228
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	17	0	12.4	U	-	16.7	U	-	16.7
TFH GASOLINE	MG/KG	17	5	0.05	U	-	0.36		10_25B209	0.0678
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	17	2	20	U	-	529		10_25B209	0

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 12c

Site 12: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
CYANIDE	MG/KG	4	0	0.17	U	-	0.19	U	-	3
TOTAL ORGANIC CARBON	MG/KG	2	2	100	J	12_UGMW31	418	J	12_UGMW31	100
TOTAL ORGANIC CARBON	MG/KGW	1	1	104		12_DBMW48	104		12_DBMW48	100
METALS										
ALUMINUM	MG/KG	14	14	2420		12_DBMW48	18700		12_25B210	31
ANTIMONY	MG/KG	14	2	2.6	U	-	3.9	b	12_DBMW48	12.1
ARSENIC	MG/KG	14	5	0.86	U	-	5.3		12_25B210	0.7
BARIUM	MG/KG	14	14	43	b	12_DBMW48	231		12_DBMW48	0.1
BERYLLIUM	MG/KG	14	5	0.26	U	-	0.59	b	12_25B210	0.5
CADMIUM	MG/KG	14	14	0.31	b	12_DBMW48	2		12_25B210	1.2
CALCIUM	MG/KG	14	14	1310		12_DBMW48	33400		12_DBMW48	103
CHROMIUM	MG/KG	14	14	4.1		12_DBMW48	19.3		12_25B210	3.7
COBALT	MG/KG	14	12	1.3	U	-	9.2	b	12_25B210	1.4
COPPER	MG/KG	14	14	3.1	b	12_DBMW48	17.2		12_25B210	0.9
IRON	MG/KG	14	14	4190		12_DBMW48	21700		12_25B210	2.3
LEAD	MG/KG	14	14	0.58	b	12_DBMW48	18.3		12_DBMW48	0.4
MAGNESIUM	MG/KG	14	14	1200		12_DBMW48	12500		12_DBMW48	14.3
MANGANESE	MG/KG	14	14	51.3		12_DBMW48	353		12_25B210	0.8
MERCURY	MG/KG	14	1	0.03	U	-	0.33		12_DBMW48	0.1
NICKEL	MG/KG	14	14	3.1	b	12_DBMW48	15.6		12_DBMW48	7.7
POTASSIUM	MG/KG	14	14	1060	b	12_DBMW48	5990		12_DBMW48	191
SELENIUM	MG/KG	14	0	0.1	U	-	0.38	U	-	0.5
SILVER	MG/KG	14	4	0.44	U	-	2	b	12_25B210	0.49
SODIUM	MG/KG	14	14	188	b	12_DBMW48	849	b	12_DBMW48	12.4
THALLIUM	MG/KG	14	10	0.15	U	-	0.4	b	12_25B210	0.7
VANADIUM	MG/KG	14	14	10.6	b	12_DBMW48	54.4		12_25B210	1.9
ZINC	MG/KG	14	14	15.1		12_DBMW48	82.7		12_25B210	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	16	0	11	U	-	14	U	-	11
1,1,2,2-TETRACHLOROETHANE	UG/KG	16	0	11	U	-	14	U	-	11
1,1,2-TRICHLOROETHANE	UG/KG	16	0	11	U	-	14	U	-	11
1,1-DICHLOROETHANE	UG/KG	16	0	11	U	-	14	U	-	11

Table C - 12c

Site 12: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,1-DICHLOROETHENE	UG/KG	16	0	11	U	-	14	U	-	11
1,2-DICHLOROETHANE	UG/KG	16	0	11	U	-	14	U	-	11
1,2-DICHLOROETHENE (TOTAL)	UG/KG	16	0	11	U	-	14	U	-	11
1,2-DICHLOROPROPANE	UG/KG	16	0	11	U	-	14	U	-	11
2-BUTANONE	UG/KG	16	10	2	J	12_DBMW48	6	J	12_DBMW48	11
2-HEXANONE	UG/KG	16	0	11	U	-	14	U	-	11
4-METHYL-2-PENTANONE	UG/KG	16	0	11	U	-	14	U	-	11
ACETONE	UG/KG	16	3	3	J	12_25B210	69		12_UGMW31	11
BENZENE	UG/KG	16	0	11	U	-	14	U	-	11
BROMODICHLOROMETHANE	UG/KG	16	0	11	U	-	14	U	-	11
BROMOFORM	UG/KG	16	0	11	U	-	14	U	-	11
BROMOMETHANE (METHYL BROMIDE)	UG/KG	16	0	11	U	-	14	U	-	11
CARBON DISULFIDE	UG/KG	16	0	11	U	-	14	U	-	11
CARBON TETRACHLORIDE	UG/KG	16	0	11	U	-	14	U	-	11
CHLOROBENZENE	UG/KG	16	0	11	U	-	14	U	-	11
CHLORODIBROMOMETHANE	UG/KG	16	0	11	U	-	14	U	-	11
CHLOROETHANE	UG/KG	16	0	11	U	-	14	U	-	11
CHLOROFORM	UG/KG	16	0	11	U	-	14	U	-	11
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	16	0	11	U	-	14	U	-	11
CIS-1,3-DICHLOROPROPENE	UG/KG	16	0	11	U	-	14	U	-	11
ETHYLBENZENE	UG/KG	16	0	11	U	-	14	U	-	11
METHYLENE CHLORIDE	UG/KG	16	0	11	U	-	21	U	-	11
STYRENE	UG/KG	16	0	11	U	-	14	U	-	11
TETRACHLOROETHENE	UG/KG	16	0	11	U	-	14	U	-	11
TOLUENE	UG/KG	16	0	11	U	-	14	U	-	11
TRANS-1,3-DICHLOROPROPENE	UG/KG	16	0	11	U	-	14	U	-	11
TRICHLOROETHYLENE	UG/KG	16	0	11	U	-	14	U	-	11
VINYL CHLORIDE	UG/KG	16	0	11	U	-	14	U	-	11
XYLENE (TOTAL)	UG/KG	16	0	11	U	-	14	U	-	11
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	14	0	700	U	-	940	U	-	730
1,2-DICHLOROBENZENE	UG/KG	14	0	700	U	-	940	U	-	730
1,3-DICHLOROBENZENE	UG/KG	14	0	700	U	-	940	U	-	730

Table C - 12c

Site 12: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,4-DICHLOROBENZENE	UG/KG	14	0	700	U	-	940	U	-	730
2,4,5-TRICHLOROPHENOL	UG/KG	14	0	1700	U	-	2300	U	-	1800
2,4,6-TRICHLOROPHENOL	UG/KG	14	0	700	U	-	940	U	-	730
2,4-DICHLOROPHENOL	UG/KG	14	0	700	U	-	940	U	-	730
2,4-DIMETHYLPHENOL	UG/KG	14	0	700	U	-	940	U	-	730
2,4-DINITROPHENOL	UG/KG	14	0	1700	U	-	2300	U	-	1800
2,4-DINITROTOLUENE	UG/KG	14	0	700	U	-	940	U	-	730
2,6-DINITROTOLUENE	UG/KG	14	0	700	U	-	940	U	-	730
2-CHLORONAPHTHALENE	UG/KG	14	0	700	U	-	940	U	-	730
2-CHLOROPHENOL	UG/KG	14	0	700	U	-	940	U	-	730
2-METHYLNAPHTHALENE	UG/KG	14	0	700	U	-	940	U	-	730
2-METHYLPHENOL	UG/KG	14	0	700	U	-	940	U	-	730
2-NITROANILINE	UG/KG	14	0	1700	U	-	2300	U	-	1800
2-NITROPHENOL	UG/KG	14	0	700	U	-	940	U	-	730
3,3'-DICHLOROBENZIDINE	UG/KG	14	0	700	U	-	940	U	-	730
3-NITROANILINE	UG/KG	14	0	1700	U	-	2300	U	-	1800
4,6-DINITRO-2-METHYLPHENOL	UG/KG	14	0	1700	U	-	2300	U	-	1800
4-BROMOPHENYL PHENYL ETHER	UG/KG	14	0	700	U	-	940	U	-	730
4-CHLORO-3-METHYLPHENOL	UG/KG	14	0	700	U	-	940	U	-	730
4-CHLOROANILINE	UG/KG	14	0	700	U	-	940	U	-	730
4-CHLOROPHENYL PHENYL ETHER	UG/KG	14	0	700	U	-	940	U	-	730
4-METHYLPHENOL	UG/KG	14	0	700	U	-	940	U	-	730
4-NITROANILINE	UG/KG	14	0	1700	U	-	2300	U	-	1800
4-NITROPHENOL	UG/KG	14	0	1700	U	-	2300	U	-	1800
ACENAPHTHENE	UG/KG	14	0	700	U	-	940	U	-	730
ACENAPHTHYLENE	UG/KG	14	0	700	U	-	940	U	-	730
ANTHRACENE	UG/KG	14	0	700	U	-	940	U	-	730
BENZO(A)ANTHRACENE	UG/KG	14	0	700	U	-	940	U	-	730
BENZO(A)PYRENE	UG/KG	14	0	700	U	-	940	U	-	730
BENZO(B)FLUORANTHENE	UG/KG	14	0	700	U	-	940	U	-	730
BENZO(GHI)PERYLENE	UG/KG	14	0	700	U	-	940	U	-	730
BENZO(K)FLUORANTHENE	UG/KG	14	0	700	U	-	940	U	-	730
BENZYL BUTYL PHTHALATE	UG/KG	14	0	700	U	-	940	U	-	730

Table C - 12c

Site 12: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BIS(2-CHLOROETHOXY) METHANE	UG/KG	14	0	700	U	-	940	U	-	730
BIS(2-CHLOROETHYL)ETHER	UG/KG	14	0	700	U	-	940	U	-	730
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	14	0	700	U	-	940	U	-	730
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	14	0	700	U	-	940	U	-	730
CARBAZOLE	UG/KG	14	0	700	U	-	940	U	-	730
CHRYSENE	UG/KG	14	0	700	U	-	940	U	-	730
DI-N-BUTYL PHTHALATE	UG/KG	14	0	700	U	-	940	U	-	730
DI-N-OCTYL PHTHALATE	UG/KG	14	1	330	J	12_25B210	330	J	12_25B210	730
DIBENZO(A,H)ANTHRACENE	UG/KG	14	0	700	U	-	940	U	-	730
DIBENZOFURAN	UG/KG	14	0	700	U	-	940	U	-	730
DIETHYL PHTHALATE	UG/KG	14	0	700	U	-	940	U	-	730
DIMETHYL PHTHALATE	UG/KG	14	0	700	U	-	940	U	-	730
FLUORANTHENE	UG/KG	14	0	700	U	-	940	U	-	730
FLUORENE	UG/KG	14	0	700	U	-	940	U	-	730
HEXACHLOROBENZENE	UG/KG	14	0	700	U	-	940	U	-	730
HEXACHLOROBUTADIENE	UG/KG	14	0	700	U	-	940	U	-	730
HEXACHLOROCYCLOPENTADIENE	UG/KG	14	0	700	U	-	940	U	-	730
HEXACHLOROETHANE	UG/KG	14	0	700	U	-	940	U	-	730
INDENO(1,2,3-CD)PYRENE	UG/KG	14	0	700	U	-	940	U	-	730
ISOPHORONE	UG/KG	14	0	700	U	-	940	U	-	730
N-NITROSODIPHENYLAMINE	UG/KG	14	0	700	U	-	940	U	-	730
N-NITROSODIPROPYLAMINE	UG/KG	14	0	700	U	-	940	U	-	730
NAPHTHALENE	UG/KG	14	0	700	U	-	940	U	-	730
NITROBENZENE	UG/KG	14	0	700	U	-	940	U	-	730
PENTACHLOROPHENOL	UG/KG	14	0	1700	U	-	2300	U	-	1800
PHENANTHRENE	UG/KG	14	0	700	U	-	940	U	-	730
PHENOL	UG/KG	14	0	700	U	-	940	U	-	730
PYRENE	UG/KG	14	0	700	U	-	940	U	-	730
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	13	0	3.51	U	-	4.73	U	-	3.68
4,4'-DDE	UG/KG	13	1	3.51	U	-	24.4		12_25B210	3.68
4,4'-DDT	UG/KG	13	1	3.51	U	-	29.1		12_25B210	3.68
ALDRIN	UG/KG	13	0	1.81	U	-	2.44	U	-	1.9

Table C - 12c

Site 12: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
ALPHA-CHLORDANE	UG/KG	13	0	1.81	U	-	2.44	U	-	1.9
BHC-ALPHA	UG/KG	13	0	1.81	U	-	2.44	U	-	1.9
BHC-BETA	UG/KG	13	0	1.81	U	-	2.44	U	-	1.9
BHC-DELTA	UG/KG	13	0	1.81	U	-	2.44	U	-	1.9
BHC-GAMMA(LINDANE)	UG/KG	13	0	1.81	U	-	2.44	U	-	1.9
DIELDRIN	UG/KG	13	0	3.51	U	-	4.73	U	-	3.68
ENDOSULFAN I	UG/KG	13	0	1.81	U	-	2.44	U	-	1.9
ENDOSULFAN II	UG/KG	13	0	3.51	U	-	4.73	U	-	3.68
ENDOSULFAN SULFATE	UG/KG	13	0	3.51	U	-	4.73	U	-	3.68
ENDRIN	UG/KG	13	0	3.51	U	-	4.73	U	-	3.68
ENDRIN ALDEHYDE	UG/KG	8	0	3.51	U	-	3.98	U	-	4
ENDRIN KETONE	UG/KG	13	0	3.51	U	-	4.73	U	-	3.68
GAMMA-CHLORDANE	UG/KG	13	0	1.81	U	-	2.44	U	-	1.9
HEPTACHLOR	UG/KG	13	0	1.81	U	-	2.44	U	-	1.9
HEPTACHLOR EPOXIDE	UG/KG	13	0	1.81	U	-	2.44	U	-	1.9
METHOXYCHLOR	UG/KG	13	0	18.1	U	-	24.4	U	-	19
PCB-1016	UG/KG	13	0	35.1	U	-	47.3	U	-	36.8
PCB-1221	UG/KG	13	0	71.2	U	-	96.1	U	-	74.8
PCB-1232	UG/KG	13	0	35.1	U	-	47.3	U	-	36.8
PCB-1242	UG/KG	13	0	35.1	U	-	47.3	U	-	36.8
PCB-1248	UG/KG	13	0	35.1	U	-	47.3	U	-	36.8
PCB-1254	UG/KG	13	0	35.1	U	-	47.3	U	-	36.8
PCB-1260	UG/KG	13	0	35.1	U	-	47.3	U	-	36.8
TOXAPHENE	UG/KG	13	0	181	U	-	244	U	-	190
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	14	0	13.2	U	-	17.6	U	-	13.9
TFH GASOLINE	MG/KG	14	1	0.05	U	-	0.11		12_DBMW48	0.056
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	14	3	20	U	-	192		12_DBMW48	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 13c

Site 13: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
CYANIDE	MG/KG	1	0	0.18	U	-	0.18	U	-	3
TOTAL ORGANIC CARBON	MG/KG	2	2	183		13_DBMW49	314	J	13_UGMW32	100
TOTAL ORGANIC CARBON	MG/KGW	1	0	100	U	-	100	U	-	100
METALS										
ALUMINUM	MG/KG	16	16	894		13_DGMW78	20300		13_DBMW49	7.6
ANTIMONY	MG/KG	16	2	2.4	U	-	3	b	13_DBMW49	11
ARSENIC	MG/KG	16	16	0.24	b	13_DGMW78	6		13_DBMW49	0.7
BARIUM	MG/KG	16	16	12.4	b	13_DGMW78	271	J	13_25B211	0.3
BERYLLIUM	MG/KG	16	8	0.1	U	-	0.95	J	13_25B211	0.8
CADMIUM	MG/KG	16	15	0.24	U	-	1.9	J	13_25B211	1
CALCIUM	MG/KG	16	16	755	b	13_DGMW78	20000		13_DBMW49	39.5
CHROMIUM	MG/KG	16	16	1.4	b	13_DGMW78	19.9	J	13_25B211	3.3
COBALT	MG/KG	16	14	1.2	U	-	9.3	J	13_25B211	7.8
COPPER	MG/KG	16	15	0.87	b	13_DGMW78	15.5	J	13_25B211	1.1
IRON	MG/KG	16	16	1060		13_DGMW78	25800		13_DBMW49	8.3
LEAD	MG/KG	16	16	0.35	b	13_DGMW78	15.1	J	13_DBMW49	0.5
MAGNESIUM	MG/KG	16	16	432	b	13_DGMW78	12400		13_DBMW49	11.4
MANGANESE	MG/KG	16	16	19.9		13_DGMW78	395	J	13_25B211	0.8
MERCURY	MG/KG	16	0	0.03	U	-	0.03	U	-	0.03
NICKEL	MG/KG	16	12	1.6	U	-	15.9	J	13_25B211	7.8
POTASSIUM	MG/KG	16	16	216	b	13_DGMW78	7200		13_DBMW49	148
SELENIUM	MG/KG	16	1	0.09	U	-	0.14	J	13_25B211	0.4
SILVER	MG/KG	16	5	0.3	U	-	0.91	J	13_25B211	1.4
SODIUM	MG/KG	16	16	170	b	13_DGMW78	2040		13_DBMW49	18.6
THALLIUM	MG/KG	16	10	0.14	U	-	0.42	b	13_DBMW49	0.8
VANADIUM	MG/KG	16	16	3.7	b	13_DGMW78	64.4	J	13_25B211	1.3
ZINC	MG/KG	16	16	5.9		13_DGMW78	81		13_DBMW49	1.6
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	18	0	10	U	-	13	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	18	0	10	U	-	13	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	18	0	10	U	-	13	U	-	10
1,1-DICHLOROETHANE	UG/KG	18	0	10	U	-	13	U	-	10

Table C - 13c

Site 13: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,1-DICHLOROETHENE	UG/KG	18	0	10	U	-	13	U	-	10
1,2-DICHLOROETHANE	UG/KG	18	0	10	U	-	13	U	-	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	18	0	10	U	-	13	U	-	10
1,2-DICHLOROPROPANE	UG/KG	18	0	10	U	-	13	U	-	10
2-BUTANONE	UG/KG	18	5	3	J	13_DBMW49	5	J	13_DBMW49	10
2-HEXANONE	UG/KG	18	0	10	U	-	13	U	-	10
4-METHYL-2-PENTANONE	UG/KG	18	0	10	U	-	13	U	-	10
ACETONE	UG/KG	18	7	4	J	13_25B211	120	D	13_DBMW49	10
BENZENE	UG/KG	18	1	6	J	13_UGMW32	6	J	13_UGMW32	10
BROMODICHLOROMETHANE	UG/KG	18	0	10	U	-	13	U	-	10
BROMOFORM	UG/KG	18	0	10	U	-	13	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	18	0	10	U	-	13	U	-	10
CARBON DISULFIDE	UG/KG	18	0	10	U	-	13	U	-	10
CARBON TETRACHLORIDE	UG/KG	18	0	10	U	-	13	U	-	10
CHLOROBENZENE	UG/KG	18	0	10	U	-	13	U	-	10
CHLORODIBROMOMETHANE	UG/KG	18	0	10	U	-	13	U	-	10
CHLOROETHANE	UG/KG	18	0	10	U	-	13	U	-	10
CHLOROFORM	UG/KG	18	0	10	U	-	13	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	18	0	10	U	-	13	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	18	0	10	U	-	13	U	-	10
ETHYLBENZENE	UG/KG	18	0	10	U	-	13	U	-	10
METHYLENE CHLORIDE	UG/KG	18	0	10	U	-	14	U	-	10
STYRENE	UG/KG	18	0	10	U	-	13	U	-	10
TETRACHLOROETHENE	UG/KG	18	0	10	U	-	13	U	-	10
TOLUENE	UG/KG	18	0	10	U	-	13	U	-	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	18	0	10	U	-	13	U	-	10
TRICHLOROETHYLENE	UG/KG	18	0	10	U	-	13	U	-	10
VINYL CHLORIDE	UG/KG	18	0	10	U	-	13	U	-	10
XYLENE (TOTAL)	UG/KG	18	0	10	U	-	13	U	-	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	16	0	680	U	-	870	U	-	690
1,2-DICHLOROBENZENE	UG/KG	16	0	680	U	-	870	U	-	690
1,3-DICHLOROBENZENE	UG/KG	16	0	680	U	-	870	U	-	690

Table C - 13c

Site 13: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,4-DICHLOROBENZENE	UG/KG	16	0	680	U	-	870	U	-	690
2,4,5-TRICHLOROPHENOL	UG/KG	16	0	1600	U	-	2100	U	-	1700
2,4,6-TRICHLOROPHENOL	UG/KG	16	0	680	U	-	870	U	-	690
2,4-DICHLOROPHENOL	UG/KG	16	0	680	U	-	870	U	-	690
2,4-DIMETHYLPHENOL	UG/KG	16	0	680	U	-	870	U	-	690
2,4-DINITROPHENOL	UG/KG	16	0	1600	U	-	2100	U	-	1700
2,4-DINITROTOLUENE	UG/KG	16	0	680	U	-	870	U	-	690
2,6-DINITROTOLUENE	UG/KG	16	0	680	U	-	870	U	-	690
2-CHLORONAPHTHALENE	UG/KG	16	0	680	U	-	870	U	-	690
2-CHLOROPHENOL	UG/KG	16	0	680	U	-	870	U	-	690
2-METHYLNAPHTHALENE	UG/KG	16	0	680	U	-	870	U	-	690
2-METHYLPHENOL	UG/KG	16	0	680	U	-	870	U	-	690
2-NITROANILINE	UG/KG	16	0	1600	U	-	2100	U	-	1700
2-NITROPHENOL	UG/KG	16	0	680	U	-	870	U	-	690
3,3'-DICHLOROBENZIDINE	UG/KG	16	0	680	U	-	870	U	-	690
3-NITROANILINE	UG/KG	16	0	1600	U	-	2100	U	-	1700
4,6-DINITRO-2-METHYLPHENOL	UG/KG	16	0	1600	U	-	2100	U	-	1700
4-BROMOPHENYL PHENYL ETHER	UG/KG	16	0	680	U	-	870	U	-	690
4-CHLORO-3-METHYLPHENOL	UG/KG	16	0	680	U	-	870	U	-	690
4-CHLOROANILINE	UG/KG	16	0	680	U	-	870	U	-	690
4-CHLOROPHENYL PHENYL ETHER	UG/KG	16	0	680	U	-	870	U	-	690
4-METHYLPHENOL	UG/KG	16	0	680	U	-	870	U	-	690
4-NITROANILINE	UG/KG	16	0	1600	U	-	2100	U	-	1700
4-NITROPHENOL	UG/KG	16	0	1600	U	-	2100	U	-	1700
ACENAPHTHENE	UG/KG	16	0	680	U	-	870	U	-	690
ACENAPHTHYLENE	UG/KG	16	0	680	U	-	870	U	-	690
ANTHRACENE	UG/KG	16	0	680	U	-	870	U	-	690
BENZO(A)ANTHRACENE	UG/KG	16	0	680	U	-	870	U	-	690
BENZO(A)PYRENE	UG/KG	16	0	680	U	-	870	U	-	690
BENZO(B)FLUORANTHENE	UG/KG	16	0	680	U	-	870	U	-	690
BENZO(GHI)PERYLENE	UG/KG	16	0	680	U	-	870	U	-	690
BENZO(K)FLUORANTHENE	UG/KG	16	0	680	U	-	870	U	-	690
BENZYL BUTYL PHTHALATE	UG/KG	16	0	680	U	-	870	U	-	690

Table C - 13c

Site 13: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BIS(2-CHLOROETHOXY) METHANE	UG/KG	16	0	680	U	-	870	U	-	690
BIS(2-CHLOROETHYL)ETHER	UG/KG	16	0	680	U	-	870	U	-	690
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	16	0	680	U	-	870	U	-	690
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	16	2	200	J	13_DBMW49	260	J	13_DBMW49	690
CARBAZOLE	UG/KG	16	0	680	U	-	870	U	-	690
CHRYSENE	UG/KG	16	0	680	U	-	870	U	-	690
DI-N-BUTYL PHTHALATE	UG/KG	16	0	680	U	-	870	U	-	690
DI-N-OCTYL PHTHALATE	UG/KG	16	0	680	U	-	870	U	-	690
DIBENZO(A,H)ANTHRACENE	UG/KG	16	0	680	U	-	870	U	-	690
DIBENZOFURAN	UG/KG	16	0	680	U	-	870	U	-	690
DIETHYL PHTHALATE	UG/KG	16	0	680	U	-	870	U	-	690
DIMETHYL PHTHALATE	UG/KG	16	0	680	U	-	870	U	-	690
FLUORANTHENE	UG/KG	16	0	680	U	-	870	U	-	690
FLUORENE	UG/KG	16	0	680	U	-	870	U	-	690
HEXACHLOROBENZENE	UG/KG	16	0	680	U	-	870	U	-	690
HEXACHLOROBUTADIENE	UG/KG	16	0	680	U	-	870	U	-	690
HEXACHLOROCYCLOPENTADIENE	UG/KG	16	0	680	U	-	870	U	-	690
HEXACHLOROETHANE	UG/KG	16	0	680	U	-	870	U	-	690
INDENO(1,2,3-CD)PYRENE	UG/KG	16	0	680	U	-	870	U	-	690
ISOPHORONE	UG/KG	16	0	680	U	-	870	U	-	690
N-NITROSODIPHENYLAMINE	UG/KG	16	0	680	U	-	870	U	-	690
N-NITROSODIPROPYLAMINE	UG/KG	16	0	680	U	-	870	U	-	690
NAPHTHALENE	UG/KG	16	0	680	U	-	870	U	-	690
NITROBENZENE	UG/KG	16	0	680	U	-	870	U	-	690
PENTACHLOROPHENOL	UG/KG	16	0	1600	U	-	2100	U	-	1700
PHENANTHRENE	UG/KG	16	0	680	U	-	870	U	-	690
PHENOL	UG/KG	16	0	680	U	-	870	U	-	690
PYRENE	UG/KG	16	0	680	U	-	870	U	-	690
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	9	1	3.44	U	-	6.69		13_DBMW49	3.44
4,4'-DDE	UG/KG	9	0	3.44	U	-	4.35	U	-	3.44
4,4'-DDT	UG/KG	9	1	3.44	U	-	12.5		13_DBMW49	3.44
ALDRIN	UG/KG	9	0	1.77	U	-	2.24	U	-	1.77

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Site 13: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
ALPHA-CHLORDANE	UG/KG	9	0	1.77	U	-	2.24	U	-	1.77
BHC-ALPHA	UG/KG	9	0	1.77	U	-	2.24	U	-	1.77
BHC-BETA	UG/KG	9	0	1.77	U	-	2.24	U	-	1.77
BHC-DELTA	UG/KG	9	1	1.77	U	-	5.03		13_DBMW49	1.77
BHC-GAMMA(LINDANE)	UG/KG	9	0	1.77	U	-	2.24	U	-	1.77
DIELDRIN	UG/KG	9	0	3.44	U	-	4.35	U	-	3.44
ENDOSULFAN I	UG/KG	9	0	1.77	U	-	2.24	U	-	1.77
ENDOSULFAN II	UG/KG	9	0	3.44	U	-	4.35	U	-	3.44
ENDOSULFAN SULFATE	UG/KG	9	1	3.44	U	-	5.77		13_DBMW49	3.44
ENDRIN	UG/KG	9	0	3.44	U	-	4.35	U	-	3.44
ENDRIN KETONE	UG/KG	9	1	3.44	U	-	5.2		13_DBMW49	3.44
GAMMA-CHLORDANE	UG/KG	9	0	1.77	U	-	2.24	U	-	1.77
HEPTACHLOR	UG/KG	9	0	1.77	U	-	2.24	U	-	1.77
HEPTACHLOR EPOXIDE	UG/KG	9	0	1.77	U	-	2.24	U	-	1.77
METHOXYCHLOR	UG/KG	9	0	17.7	U	-	22.4	U	-	17.7
PCB-1016	UG/KG	9	0	34.4	U	-	43.5	U	-	34.4
PCB-1221	UG/KG	9	0	69.9	U	-	88.4	U	-	69.9
PCB-1232	UG/KG	9	0	34.4	U	-	43.5	U	-	34.4
PCB-1242	UG/KG	9	0	34.4	U	-	43.5	U	-	34.4
PCB-1248	UG/KG	9	0	34.4	U	-	43.5	U	-	34.4
PCB-1254	UG/KG	9	0	34.4	U	-	43.5	U	-	34.4
PCB-1260	UG/KG	9	0	34.4	U	-	43.5	U	-	34.4
TOXAPHENE	UG/KG	9	0	177	U	-	224	U	-	177
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	16	1	12.7	U	-	109	J	13_DBMW49	13
TFH GASOLINE	MG/KG	16	2	0.05	U	-	0.24		13_25B211	0.0523
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	16	2	20	U	-	1605		13_DBMW49	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

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Site 14: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
CYANIDE	MG/KG	1	0	0.17	U	-	0.17	U	-	3
TOTAL ORGANIC CARBON	MG/KGW	1	0	100	U	-	100	U	-	100
TOTAL ORGANIC CARBON	MG/KG	1	0	100	U	-	100	U	-	100
METALS										
ALUMINUM	MG/KG	9	9	5120		14_DBMW50	25400		14_DBMW50	31
ANTIMONY	MG/KG	9	0	2.6	U	-	3	U	-	12.1
ARSENIC	MG/KG	9	9	1.6	b	14_DBMW50	4.1		14_DBMW50	0.7
BARIUM	MG/KG	9	9	79.9		14_DBMW50	220		14_DBMW50	0.1
BERYLLIUM	MG/KG	9	9	0.14	b	14_DBMW50	0.66	b	14_DBMW50	0.5
CADMIUM	MG/KG	9	9	0.61	b	14_DBMW50	1.8		14_DGMW79	1.2
CALCIUM	MG/KG	9	9	1680		14_DBMW50	15200		14_DBMW50	103
CHROMIUM	MG/KG	9	9	5.7		14_DBMW50	22.6		14_DBMW50	3.7
COBALT	MG/KG	9	9	2.9	b	14_DBMW50	10.8	b	14_DBMW50	5.8
COPPER	MG/KG	9	9	3.3	b	14_DBMW50	13.9		14_DBMW50	0.9
IRON	MG/KG	9	9	6570		14_DBMW50	29500		14_DBMW50	2.3
LEAD	MG/KG	9	9	1.4		14_DBMW50	4.7		14_DBMW50	0.6
MAGNESIUM	MG/KG	9	9	2300		14_DBMW50	13700		14_DBMW50	14.3
MANGANESE	MG/KG	9	9	130		14_DBMW50	417		14_DBMW50	0.8
MERCURY	MG/KG	9	0	0.03	U	-	0.06	U	-	0.1
NICKEL	MG/KG	9	9	6.1	b	14_DBMW50	13.7		14_DBMW50	7.7
POTASSIUM	MG/KG	9	9	1530		14_DBMW50	8700		14_DBMW50	191
SELENIUM	MG/KG	9	1	0.11	U	-	0.28	b	14_DBMW50	0.5
SILVER	MG/KG	9	1	0.46	U	-	6.5	b	14_DBMW50	2.1
SODIUM	MG/KG	9	9	260	b	14_DBMW50	2260		14_DBMW50	12.4
THALLIUM	MG/KG	9	3	0.15	U	-	0.3	b	14_DBMW50	0.29
VANADIUM	MG/KG	9	9	18.1		14_DBMW50	71.7		14_DBMW50	1.9
ZINC	MG/KG	9	9	18.6		14_DBMW50	83.4		14_DBMW50	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	11	1	3	J	14_DBMW50	3	J	14_DBMW50	12
1,1,2,2-TETRACHLOROETHANE	UG/KG	11	0	11	U	-	13	U	-	12
1,1,2-TRICHLOROETHANE	UG/KG	11	0	11	U	-	13	U	-	12
1,1-DICHLOROETHANE	UG/KG	11	0	11	U	-	13	U	-	12

Table C - 14c

Site 14: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,1-DICHLOROETHENE	UG/KG	11	0	11	U	-	13	U	-	12
1,2-DICHLOROETHANE	UG/KG	11	0	11	U	-	13	U	-	12
1,2-DICHLOROETHENE (TOTAL)	UG/KG	11	0	11	U	-	13	U	-	12
1,2-DICHLOROPROPANE	UG/KG	11	0	11	U	-	13	U	-	12
2-BUTANONE	UG/KG	11	0	11	U	-	13	U	-	12
2-HEXANONE	UG/KG	11	0	11	U	-	13	U	-	12
4-METHYL-2-PENTANONE	UG/KG	11	0	11	U	-	13	U	-	12
ACETONE	UG/KG	11	2	10	U	-	19		14_DBMW50	12
BENZENE	UG/KG	11	0	11	U	-	13	U	-	12
BROMODICHLOROMETHANE	UG/KG	11	0	11	U	-	13	U	-	12
BROMOFORM	UG/KG	11	0	11	U	-	13	U	-	12
BROMOMETHANE (METHYL BROMIDE)	UG/KG	11	0	11	U	-	13	U	-	12
CARBON DISULFIDE	UG/KG	11	0	11	U	-	13	U	-	12
CARBON TETRACHLORIDE	UG/KG	11	0	11	U	-	13	U	-	12
CHLOROBENZENE	UG/KG	11	0	11	U	-	13	U	-	12
CHLORODIBROMOMETHANE	UG/KG	11	0	11	U	-	13	U	-	12
CHLOROETHANE	UG/KG	11	0	11	U	-	13	U	-	12
CHLOROFORM	UG/KG	11	0	11	U	-	13	U	-	12
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	11	0	11	U	-	13	U	-	12
CIS-1,3-DICHLOROPROPENE	UG/KG	11	0	11	U	-	13	U	-	12
ETHYLBENZENE	UG/KG	11	0	11	U	-	13	U	-	12
METHYLENE CHLORIDE	UG/KG	11	0	11	U	-	13	U	-	12
STYRENE	UG/KG	11	0	11	U	-	13	U	-	12
TETRACHLOROETHENE	UG/KG	11	0	11	U	-	13	U	-	12
TOLUENE	UG/KG	11	0	11	U	-	13	U	-	12
TRANS-1,3-DICHLOROPROPENE	UG/KG	11	0	11	U	-	13	U	-	12
TRICHLOROETHYLENE	UG/KG	11	0	11	U	-	13	U	-	12
VINYL CHLORIDE	UG/KG	11	0	11	U	-	13	U	-	12
XYLENE (TOTAL)	UG/KG	11	0	11	U	-	13	U	-	12
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	9	0	730	U	-	860	U	-	790
1,2-DICHLOROBENZENE	UG/KG	9	0	730	U	-	860	U	-	790
1,3-DICHLOROBENZENE	UG/KG	9	0	730	U	-	860	U	-	790

Table C - 14c

Site 14: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,4-DICHLOROBENZENE	UG/KG	9	0	730	U	-	860	U	-	790
2,4,5-TRICHLOROPHENOL	UG/KG	9	0	1800	U	-	2100	U	-	1900
2,4,6-TRICHLOROPHENOL	UG/KG	9	0	730	U	-	860	U	-	790
2,4-DICHLOROPHENOL	UG/KG	9	0	730	U	-	860	U	-	790
2,4-DIMETHYLPHENOL	UG/KG	9	0	730	U	-	860	U	-	790
2,4-DINITROPHENOL	UG/KG	9	0	1800	U	-	2100	U	-	1900
2,4-DINITROTOLUENE	UG/KG	9	0	730	U	-	860	U	-	790
2,6-DINITROTOLUENE	UG/KG	9	0	730	U	-	860	U	-	790
2-CHLORONAPHTHALENE	UG/KG	9	0	730	U	-	860	U	-	790
2-CHLOROPHENOL	UG/KG	9	0	730	U	-	860	U	-	790
2-METHYLNAPHTHALENE	UG/KG	9	0	730	U	-	860	U	-	790
2-METHYLPHENOL	UG/KG	9	0	730	U	-	860	U	-	790
2-NITROANILINE	UG/KG	9	0	1800	U	-	2100	U	-	1900
2-NITROPHENOL	UG/KG	9	0	730	U	-	860	U	-	790
3,3'-DICHLOROBENZIDINE	UG/KG	9	0	730	U	-	860	U	-	790
3-NITROANILINE	UG/KG	9	0	1800	U	-	2100	U	-	1900
4,6-DINITRO-2-METHYLPHENOL	UG/KG	9	0	1800	U	-	2100	U	-	1900
4-BROMOPHENYL PHENYL ETHER	UG/KG	9	0	730	U	-	860	U	-	790
4-CHLORO-3-METHYLPHENOL	UG/KG	9	0	730	U	-	860	U	-	790
4-CHLOROANILINE	UG/KG	9	0	730	U	-	860	U	-	790
4-CHLOROPHENYL PHENYL ETHER	UG/KG	9	0	730	U	-	860	U	-	790
4-METHYLPHENOL	UG/KG	9	0	730	U	-	860	U	-	790
4-NITROANILINE	UG/KG	9	0	1800	U	-	2100	U	-	1900
4-NITROPHENOL	UG/KG	9	0	1800	U	-	2100	U	-	1900
ACENAPHTHENE	UG/KG	9	0	730	U	-	860	U	-	790
ACENAPHTHYLENE	UG/KG	9	0	730	U	-	860	U	-	790
ANTHRACENE	UG/KG	9	0	730	U	-	860	U	-	790
BENZO(A)ANTHRACENE	UG/KG	9	0	730	U	-	860	U	-	790
BENZO(A)PYRENE	UG/KG	9	0	730	U	-	860	U	-	790
BENZO(B)FLUORANTHENE	UG/KG	9	0	730	U	-	860	U	-	790
BENZO(GHI)PERYLENE	UG/KG	9	0	730	U	-	860	U	-	790
BENZO(K)FLUORANTHENE	UG/KG	9	0	730	U	-	860	U	-	790
BENZYL BUTYL PHTHALATE	UG/KG	9	0	730	U	-	860	U	-	790

Table C - 14c

Site 14: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BIS(2-CHLOROETHOXY) METHANE	UG/KG	9	0	730	U	-	860	U	-	790
BIS(2-CHLOROETHYL)ETHER	UG/KG	9	0	730	U	-	860	U	-	790
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	9	0	730	U	-	860	U	-	790
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	9	1	730	U	-	28000		14_DBMW50	790
CARBAZOLE	UG/KG	9	0	730	U	-	860	U	-	790
CHRYSENE	UG/KG	9	0	730	U	-	860	U	-	790
DI-N-BUTYL PHTHALATE	UG/KG	9	0	730	U	-	860	U	-	790
DI-N-OCTYL PHTHALATE	UG/KG	9	0	730	U	-	860	U	-	790
DIBENZO(A,H)ANTHRACENE	UG/KG	9	0	730	U	-	860	U	-	790
DIBENZOFURAN	UG/KG	9	0	730	U	-	860	U	-	790
DIETHYL PHTHALATE	UG/KG	9	0	730	U	-	860	U	-	790
DIMETHYL PHTHALATE	UG/KG	9	0	730	U	-	860	U	-	790
FLUORANTHENE	UG/KG	9	0	730	U	-	860	U	-	790
FLUORENE	UG/KG	9	0	730	U	-	860	U	-	790
HEXACHLOROBENZENE	UG/KG	9	0	730	U	-	860	U	-	790
HEXACHLOROBUTADIENE	UG/KG	9	0	730	U	-	860	U	-	790
HEXACHLOROCYCLOPENTADIENE	UG/KG	9	0	730	U	-	860	U	-	790
HEXACHLOROETHANE	UG/KG	9	0	730	U	-	860	U	-	790
INDENO(1,2,3-CD)PYRENE	UG/KG	9	0	730	U	-	860	U	-	790
ISOPHORONE	UG/KG	9	0	730	U	-	860	U	-	790
N-NITROSODIPHENYLAMINE	UG/KG	9	0	730	U	-	860	U	-	790
N-NITROSODIPROPYLAMINE	UG/KG	9	0	730	U	-	860	U	-	790
NAPHTHALENE	UG/KG	9	0	730	U	-	860	U	-	790
NITROBENZENE	UG/KG	9	0	730	U	-	860	U	-	790
PENTACHLOROPHENOL	UG/KG	9	0	1800	U	-	2100	U	-	1900
PHENANTHRENE	UG/KG	9	0	730	U	-	860	U	-	790
PHENOL	UG/KG	9	0	730	U	-	860	U	-	790
PYRENE	UG/KG	9	0	730	U	-	860	U	-	790
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	1	0	4.25	U	-	4.25	U	-	4.2
4,4'-DDE	UG/KG	1	0	4.25	U	-	4.25	U	-	4.2
4,4'-DDT	UG/KG	1	0	4.25	U	-	4.25	U	-	4.2
ALDRIN	UG/KG	1	0	2.19	U	-	2.19	U	-	2.2

Table C - 14c

Site 14: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
ALPHA-CHLORDANE	UG/KG	1	0	2.19	U	-	2.19	U	-	2.2
BHC-ALPHA	UG/KG	1	0	2.19	U	-	2.19	U	-	2.2
BHC-BETA	UG/KG	1	0	2.19	U	-	2.19	U	-	2.2
BHC-DELTA	UG/KG	1	0	2.19	U	-	2.19	U	-	2.2
BHC-GAMMA(LINDANE)	UG/KG	1	0	2.19	U	-	2.19	U	-	2.2
DIELDRIN	UG/KG	1	0	4.25	U	-	4.25	U	-	4.2
ENDOSULFAN I	UG/KG	1	0	2.19	U	-	2.19	U	-	2.2
ENDOSULFAN II	UG/KG	1	0	4.25	U	-	4.25	U	-	4.2
ENDOSULFAN SULFATE	UG/KG	1	0	4.25	U	-	4.25	U	-	4.2
ENDRIN	UG/KG	1	0	4.25	U	-	4.25	U	-	4.2
ENDRIN KETONE	UG/KG	1	0	4.25	U	-	4.25	U	-	4.2
GAMMA-CHLORDANE	UG/KG	1	0	2.19	U	-	2.19	U	-	2.2
HEPTACHLOR	UG/KG	1	0	2.19	U	-	2.19	U	-	2.2
HEPTACHLOR EPOXIDE	UG/KG	1	0	2.19	U	-	2.19	U	-	2.2
METHOXYCHLOR	UG/KG	1	0	21.9	U	-	21.9	U	-	21.9
PCB-1016	UG/KG	1	0	42.5	U	-	42.5	U	-	42.5
PCB-1221	UG/KG	1	0	86.2	U	-	86.2	U	-	86.2
PCB-1232	UG/KG	1	0	42.5	U	-	42.5	U	-	42.5
PCB-1242	UG/KG	1	0	42.5	U	-	42.5	U	-	42.5
PCB-1248	UG/KG	1	0	42.5	U	-	42.5	U	-	42.5
PCB-1254	UG/KG	1	0	42.5	U	-	42.5	U	-	42.5
PCB-1260	UG/KG	1	0	42.5	U	-	42.5	U	-	42.5
TOXAPHENE	UG/KG	1	0	219	U	-	219	U	-	219
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	9	0	13.7	U	-	16.6	U	-	14.7
TFH GASOLINE	MG/KG	9	0	0.05	U	-	0.07	U	-	0.0596
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	10	1	16		14_DBMW50	16		14_DBMW50	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 15c

Site 15: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
CYANIDE	MG/KG	1	0	0.17	U	-	0.17	U	-	3
TOTAL ORGANIC CARBON	MG/KG	1	1	100	J	15_DBMW51	100	J	15_DBMW51	100
METALS										
ALUMINUM	MG/KG	8	8	3000		15_DBMW51	20500		15_DBMW51	31
ANTIMONY	MG/KG	8	2	2.6	U	-	3.7	b	15_DBMW51	12.1
ARSENIC	MG/KG	8	8	0.53	b	15_DBMW51	3.5		15_DBMW51	0.7
BARIUM	MG/KG	8	8	52.2		15_DBMW51	396		15_DBMW51	0.1
BERYLLIUM	MG/KG	8	6	0.11	U	-	0.71	b	15_DBMW51	0.5
CADMIUM	MG/KG	8	8	0.38	b	15_DBMW51	1.7		15_DBMW51	1.2
CALCIUM	MG/KG	8	8	877	b	15_DBMW51	10000		15_DBMW51	103
CHROMIUM	MG/KG	8	8	3.2		15_DBMW51	19.4		15_DBMW51	3.7
COBALT	MG/KG	8	8	1.4	b	15_DBMW51	9.3	b	15_DBMW51	5.8
COPPER	MG/KG	8	8	2	b	15_DBMW51	14.1		15_DBMW51	0.9
IRON	MG/KG	8	8	4280		15_DBMW51	26300		15_DBMW51	2.3
LEAD	MG/KG	8	8	0.97		15_DBMW51	4.7		15_DBMW51	0.4
MAGNESIUM	MG/KG	8	8	1150		15_DBMW51	13200		15_DBMW51	14.3
MANGANESE	MG/KG	8	8	106		15_DBMW51	416		15_DBMW51	0.8
MERCURY	MG/KG	8	0	0.03	U	-	0.06	U	-	0.04
NICKEL	MG/KG	8	8	2.1	b	15_DBMW51	14.3		15_DBMW51	7.7
POTASSIUM	MG/KG	8	8	941	b	15_DBMW51	7140		15_DBMW51	191
SELENIUM	MG/KG	8	0	0.11	U	-	0.13	U	-	0.5
SILVER	MG/KG	8	0	0.45	U	-	0.53	U	-	0.46
SODIUM	MG/KG	8	8	266	b	15_DBMW51	2350		15_DBMW51	12.4
THALLIUM	MG/KG	8	6	0.15	b	15_DBMW51	0.48	b	15_DBMW51	0.7
VANADIUM	MG/KG	8	8	11.6		15_DBMW51	54.7		15_DBMW51	1.9
ZINC	MG/KG	8	8	11.1		15_DBMW51	81.7		15_DBMW51	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	9	0	11	U	-	13	U	-	12
1,1,2,2-TETRACHLOROETHANE	UG/KG	9	0	11	U	-	13	U	-	12
1,1,2-TRICHLOROETHANE	UG/KG	9	0	11	U	-	13	U	-	12
1,1-DICHLOROETHANE	UG/KG	9	0	11	U	-	13	U	-	12
1,1-DICHLOROETHENE	UG/KG	9	0	11	U	-	13	U	-	12
1,2-DICHLOROETHANE	UG/KG	9	0	11	U	-	13	U	-	12
1,2-DICHLOROETHENE (TOTAL)	UG/KG	9	0	11	U	-	13	U	-	12

Table C - 15c

Site 15: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2-DICHLOROPROPANE	UG/KG	9	0	11	U	-	13	U	-	12
2-BUTANONE	UG/KG	9	6	4	J	15_DBMW51	6	J	15_DBMW51	12
2-HEXANONE	UG/KG	9	0	11	U	-	13	U	-	12
4-METHYL-2-PENTANONE	UG/KG	9	0	11	U	-	13	U	-	12
ACETONE	UG/KG	9	1	10	J	15_DBMW51	10	J	15_DBMW51	12
BENZENE	UG/KG	9	0	11	U	-	13	U	-	12
BROMODICHLOROMETHANE	UG/KG	9	0	11	U	-	13	U	-	12
BROMOFORM	UG/KG	9	0	11	U	-	13	U	-	12
BROMOMETHANE (METHYL BROMIDE)	UG/KG	9	0	11	U	-	13	U	-	12
CARBON DISULFIDE	UG/KG	9	3	3	J	15_DBMW51	14		15_DBMW51	12
CARBON TETRACHLORIDE	UG/KG	9	0	11	U	-	13	U	-	12
CHLOROBENZENE	UG/KG	9	0	11	U	-	13	U	-	12
CHLORODIBROMOMETHANE	UG/KG	9	0	11	U	-	13	U	-	12
CHLOROETHANE	UG/KG	9	0	11	U	-	13	U	-	12
CHLOROFORM	UG/KG	9	0	11	U	-	13	U	-	12
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	9	0	11	U	-	13	U	-	12
CIS-1,3-DICHLOROPROPENE	UG/KG	9	0	11	U	-	13	U	-	12
ETHYLBENZENE	UG/KG	9	0	11	U	-	13	U	-	12
METHYLENE CHLORIDE	UG/KG	9	0	11	U	-	14	U	-	12
STYRENE	UG/KG	9	0	11	U	-	13	U	-	12
TETRACHLOROETHENE	UG/KG	9	0	11	U	-	13	U	-	12
TOLUENE	UG/KG	9	2	3	J	15_DBMW51	4	J	15_DBMW51	12
TRANS-1,3-DICHLOROPROPENE	UG/KG	9	0	11	U	-	13	U	-	12
TRICHLOROETHYLENE	UG/KG	9	0	11	U	-	13	U	-	12
VINYL CHLORIDE	UG/KG	9	0	11	U	-	13	U	-	12
XYLENE (TOTAL)	UG/KG	9	1	3	J	15_DBMW51	3	J	15_DBMW51	12
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	8	0	690	U	-	22000	U	-	760
1,2-DICHLOROBENZENE	UG/KG	8	0	690	U	-	22000	U	-	760
1,3-DICHLOROBENZENE	UG/KG	8	0	690	U	-	22000	U	-	760
1,4-DICHLOROBENZENE	UG/KG	8	0	690	U	-	22000	U	-	760
2,4,5-TRICHLOROPHENOL	UG/KG	8	0	1700	U	-	53000	U	-	1800
2,4,6-TRICHLOROPHENOL	UG/KG	8	0	690	U	-	22000	U	-	760
2,4-DICHLOROPHENOL	UG/KG	8	0	690	U	-	22000	U	-	760
2,4-DIMETHYLPHENOL	UG/KG	8	0	690	U	-	22000	U	-	760

Table C - 15c

Site 15: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DINITROPHENOL	UG/KG	8	0	1700	U	-	53000	U	-	1800
2,4-DINITROTOLUENE	UG/KG	8	0	690	U	-	22000	U	-	760
2,6-DINITROTOLUENE	UG/KG	8	0	690	U	-	22000	U	-	760
2-CHLORONAPHTHALENE	UG/KG	8	0	690	U	-	22000	U	-	760
2-CHLOROPHENOL	UG/KG	8	0	690	U	-	22000	U	-	760
2-METHYLNAPHTHALENE	UG/KG	8	0	690	U	-	22000	U	-	760
2-METHYLPHENOL	UG/KG	8	0	690	U	-	22000	U	-	760
2-NITROANILINE	UG/KG	8	0	1700	U	-	53000	U	-	1800
2-NITROPHENOL	UG/KG	8	0	690	U	-	22000	U	-	760
3,3'-DICHLOROBENZIDINE	UG/KG	8	0	690	U	-	22000	U	-	760
3-NITROANILINE	UG/KG	8	0	1700	U	-	53000	U	-	1800
4,6-DINITRO-2-METHYLPHENOL	UG/KG	8	0	1700	U	-	53000	U	-	1800
4-BROMOPHENYL PHENYL ETHER	UG/KG	8	0	690	U	-	22000	U	-	760
4-CHLORO-3-METHYLPHENOL	UG/KG	8	0	690	U	-	22000	U	-	760
4-CHLOROANILINE	UG/KG	8	0	690	U	-	22000	U	-	760
4-CHLOROPHENYL PHENYL ETHER	UG/KG	8	0	690	U	-	22000	U	-	760
4-METHYLPHENOL	UG/KG	8	0	690	U	-	22000	U	-	760
4-NITROANILINE	UG/KG	8	0	1700	U	-	53000	U	-	1800
4-NITROPHENOL	UG/KG	8	0	1700	U	-	53000	U	-	1800
ACENAPHTHENE	UG/KG	8	0	690	U	-	22000	U	-	760
ACENAPHTHYLENE	UG/KG	8	0	690	U	-	22000	U	-	760
ANTHRACENE	UG/KG	8	0	690	U	-	22000	U	-	760
BENZO(A)ANTHRACENE	UG/KG	8	0	690	U	-	22000	U	-	760
BENZO(A)PYRENE	UG/KG	8	0	690	U	-	22000	U	-	760
BENZO(B)FLUORANTHENE	UG/KG	8	0	690	U	-	22000	U	-	760
BENZO(GHI)PERYLENE	UG/KG	8	0	690	U	-	22000	U	-	760
BENZO(K)FLUORANTHENE	UG/KG	8	0	690	U	-	22000	U	-	760
BENZYL BUTYL PHTHALATE	UG/KG	8	0	690	U	-	22000	U	-	760
BIS(2-CHLOROETHOXY) METHANE	UG/KG	8	0	690	U	-	22000	U	-	760
BIS(2-CHLOROETHYL)ETHER	UG/KG	8	0	690	U	-	22000	U	-	760
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	8	0	690	U	-	22000	U	-	760
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	8	0	690	U	-	22000	U	-	760
CARBAZOLE	UG/KG	8	0	690	U	-	22000	U	-	760
CHRYSENE	UG/KG	8	0	690	U	-	22000	U	-	760
DI-N-BUTYL PHTHALATE	UG/KG	8	0	690	U	-	22000	U	-	760

Table C - 15c

Site 15: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
DI-N-OCTYL PHTHALATE	UG/KG	8	0	690	U	-	22000	U	-	760
DIBENZO(A,H)ANTHRACENE	UG/KG	8	0	690	U	-	22000	U	-	760
DIBENZOFURAN	UG/KG	8	0	690	U	-	22000	U	-	760
DIETHYL PHTHALATE	UG/KG	8	0	690	U	-	22000	U	-	760
DIMETHYL PHTHALATE	UG/KG	8	0	690	U	-	22000	U	-	760
FLUORANTHENE	UG/KG	8	0	690	U	-	22000	U	-	760
FLUORENE	UG/KG	8	0	690	U	-	22000	U	-	760
HEXACHLOROBENZENE	UG/KG	8	0	690	U	-	22000	U	-	760
HEXACHLOROBUTADIENE	UG/KG	8	0	690	U	-	22000	U	-	760
HEXACHLOROCYCLOPENTADIENE	UG/KG	8	0	690	U	-	22000	U	-	760
HEXACHLOROETHANE	UG/KG	8	0	690	U	-	22000	U	-	760
INDENO(1,2,3-CD)PYRENE	UG/KG	8	0	690	U	-	22000	U	-	760
ISOPHORONE	UG/KG	8	0	690	U	-	22000	U	-	760
N-NITROSODIPHENYLAMINE	UG/KG	8	0	690	U	-	22000	U	-	760
N-NITROSODIPROPYLAMINE	UG/KG	8	0	690	U	-	22000	U	-	760
NAPHTHALENE	UG/KG	8	0	690	U	-	22000	U	-	760
NITROBENZENE	UG/KG	8	0	690	U	-	22000	U	-	760
PENTACHLOROPHENOL	UG/KG	8	0	1700	U	-	53000	U	-	1800
PHENANTHRENE	UG/KG	8	0	690	U	-	22000	U	-	760
PHENOL	UG/KG	8	0	690	U	-	22000	U	-	760
PYRENE	UG/KG	8	0	690	U	-	22000	U	-	760
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	8	1	13.2	U	-	2540		15_DBMW51	142
TFH GASOLINE	MG/KG	8	1	0.05	U	-	4.44		15_DBMW51	0.0567
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	8	1	20	U	-	1377		15_DBMW51	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 16c

Site 16: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KGW	2	2	106		16_DBMW52	106		16_DBMW52	100
METALS										
ALUMINUM	MG/KG	26	26	3250		16_AB213	26900		16_DBMW52	31
ANTIMONY	MG/KG	26	3	2.5	U	-	3.6	b	16_AB213	12.1
ARSENIC	MG/KG	26	24	0.7	J	16_25B212	5.6		16_UGMW33	0.7
BARIUM	MG/KG	26	26	90		16_DGMW81	308		16_DBMW52	0.1
BERYLLIUM	MG/KG	26	20	0.1	b	16_AB213	1	b	16_DBMW52	0.5
CADMIUM	MG/KG	26	21	0.33	J	16_25B212	4.3		16_DBMW52	1.2
CALCIUM	MG/KG	26	26	1870		16_AB213	18600		16_DBMW52	103
CHROMIUM	MG/KG	26	26	4	J	16_25B212	33.3		16_DBMW52	3.7
COBALT	MG/KG	26	26	2.1	b	16_AB213	12.2	b	16_DBMW52	5.8
COPPER	MG/KG	26	24	2.6	U	-	20.1		16_DBMW52	0.9
IRON	MG/KG	26	26	5090		16_AB213	33400		16_DBMW52	2.3
LEAD	MG/KG	26	26	0.6	J	16_25B212	4.7		16_AB213	0.4
MAGNESIUM	MG/KG	26	26	1380		16_AB213	15800		16_DBMW52	14.3
MANGANESE	MG/KG	26	26	97.6		16_AB213	507		16_DBMW52	0.8
MERCURY	MG/KG	26	6	0.03	U	-	0.25		16_AB213	0.1
NICKEL	MG/KG	26	26	2.4	J	16_25B212	28		16_DBMW52	7.7
POTASSIUM	MG/KG	26	26	1090		16_AB213	9540		16_DBMW52	191
SELENIUM	MG/KG	26	3	0.1	U	-	8.8	b	16_AB213	0.5
SILVER	MG/KG	26	5	0.31	U	-	0.71	b	16_AB213	0.45
SODIUM	MG/KG	26	23	223	b	16_DBMW52	2280	J	16_25B212	12.4
THALLIUM	MG/KG	26	8	0.14	U	-	0.63	J	16_25B212	0.7
VANADIUM	MG/KG	26	26	14.3		16_AB213	82.7		16_DBMW52	1.9
ZINC	MG/KG	26	26	15.4		16_AB213	104		16_DBMW52	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	27	0	10	U	-	3000	U	-	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	27	0	10	U	-	3000	U	-	10
1,1,2-TRICHLOROETHANE	UG/KG	27	0	10	U	-	3000	U	-	10
1,1-DICHLOROETHANE	UG/KG	27	0	10	U	-	3000	U	-	10
1,1-DICHLOROETHENE	UG/KG	27	0	10	U	-	3000	U	-	10
1,2-DICHLOROETHANE	UG/KG	27	0	10	U	-	3000	U	-	10

Table C - 16c

Site 16: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2-DICHLOROETHENE (TOTAL)	UG/KG	27	0	10	U	-	3000	U	-	10
1,2-DICHLOROPROPANE	UG/KG	27	0	10	U	-	3000	U	-	10
2-BUTANONE	UG/KG	27	10	3	J	16_DGMW81	14000		16_AB213	10
2-HEXANONE	UG/KG	27	0	10	U	-	3000	U	-	10
4-METHYL-2-PENTANONE	UG/KG	27	0	10	U	-	3000	U	-	10
ACETONE	UG/KG	27	7	10	U	-	2300	J	16_AB213	10
BENZENE	UG/KG	27	0	10	U	-	3000	U	-	10
BROMODICHLOROMETHANE	UG/KG	27	0	10	U	-	3000	U	-	10
BROMOFORM	UG/KG	27	0	10	U	-	3000	U	-	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	27	0	10	U	-	3000	U	-	10
CARBON DISULFIDE	UG/KG	27	0	10	U	-	3000	U	-	10
CARBON TETRACHLORIDE	UG/KG	27	0	10	U	-	3000	U	-	10
CHLOROBENZENE	UG/KG	27	0	10	U	-	3000	U	-	10
CHLORODIBROMOMETHANE	UG/KG	27	0	10	U	-	3000	U	-	10
CHLOROETHANE	UG/KG	27	0	10	U	-	3000	U	-	10
CHLOROFORM	UG/KG	27	0	10	U	-	3000	U	-	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	27	0	10	U	-	3000	U	-	10
CIS-1,3-DICHLOROPROPENE	UG/KG	27	0	10	U	-	3000	U	-	10
ETHYLBENZENE	UG/KG	27	6	10	U	-	2300	J	16_AB213	10
METHYLENE CHLORIDE	UG/KG	27	4	5	U	-	910	J	16_AB213	10
STYRENE	UG/KG	27	0	10	U	-	3000	U	-	10
TETRACHLOROETHENE	UG/KG	27	0	10	U	-	3000	U	-	10
TOLUENE	UG/KG	27	4	10	U	-	2400	J	16_AB213	10
TRANS-1,3-DICHLOROPROPENE	UG/KG	27	0	10	U	-	3000	U	-	10
TRICHLOROETHYLENE	UG/KG	27	0	10	U	-	3000	U	-	10
VINYL CHLORIDE	UG/KG	27	0	10	U	-	3000	U	-	10
XYLENE (TOTAL)	UG/KG	27	7	10	U	-	13000		16_AB213	10
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	26	0	680	U	-	24000	U	-	690
1,2-DICHLOROBENZENE	UG/KG	26	0	680	U	-	24000	U	-	690
1,3-DICHLOROBENZENE	UG/KG	26	0	680	U	-	24000	U	-	690
1,4-DICHLOROBENZENE	UG/KG	26	0	680	U	-	24000	U	-	690
2,4,5-TRICHLOROPHENOL	UG/KG	26	0	1600	U	-	57000	U	-	1700

Table C - 16c

Site 16: Summary of Analytes and Minimum / Maximum Concentrations In Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4,6-TRICHLOROPHENOL	UG/KG	26	0	680	U	-	24000	U	-	690
2,4-DICHLOROPHENOL	UG/KG	26	0	680	U	-	24000	U	-	690
2,4-DIMETHYLPHENOL	UG/KG	26	0	680	U	-	24000	U	-	690
2,4-DINITROPHENOL	UG/KG	26	0	1600	U	-	57000	U	-	1700
2,4-DINITROTOLUENE	UG/KG	26	0	680	U	-	24000	U	-	690
2,6-DINITROTOLUENE	UG/KG	26	0	680	U	-	24000	U	-	690
2-CHLORONAPHTHALENE	UG/KG	26	0	680	U	-	24000	U	-	690
2-CHLOROPHENOL	UG/KG	26	0	680	U	-	24000	U	-	690
2-METHYLNAPHTHALENE	UG/KG	26	1	680	U	-	10000	J	16_AB213	690
2-METHYLPHENOL	UG/KG	26	0	680	U	-	24000	U	-	690
2-NITROANILINE	UG/KG	26	0	1600	U	-	57000	U	-	1700
2-NITROPHENOL	UG/KG	26	0	680	U	-	24000	U	-	690
3,3'-DICHLOROBENZIDINE	UG/KG	26	0	680	U	-	24000	U	-	690
3-NITROANILINE	UG/KG	26	0	1600	U	-	57000	U	-	1700
4,6-DINITRO-2-METHYLPHENOL	UG/KG	26	0	1600	U	-	57000	U	-	1700
4-BROMOPHENYL PHENYL ETHER	UG/KG	26	0	680	U	-	24000	U	-	690
4-CHLORO-3-METHYLPHENOL	UG/KG	26	0	680	U	-	24000	U	-	690
4-CHLOROANILINE	UG/KG	26	0	680	U	-	24000	U	-	690
4-CHLOROPHENYL PHENYL ETHER	UG/KG	26	0	680	U	-	24000	U	-	690
4-METHYLPHENOL	UG/KG	26	0	680	U	-	24000	U	-	690
4-NITROANILINE	UG/KG	26	0	1600	U	-	57000	U	-	1700
4-NITROPHENOL	UG/KG	26	0	1600	U	-	57000	U	-	1700
ACENAPHTHENE	UG/KG	26	0	680	U	-	24000	U	-	690
ACENAPHTHYLENE	UG/KG	26	0	680	U	-	24000	U	-	690
ANTHRACENE	UG/KG	26	0	680	U	-	24000	U	-	690
BENZO(A)ANTHRACENE	UG/KG	26	0	680	U	-	24000	U	-	690
BENZO(A)PYRENE	UG/KG	26	0	680	U	-	24000	U	-	690
BENZO(B)FLUORANTHENE	UG/KG	26	0	680	U	-	24000	U	-	690
BENZO(GHI)PERYLENE	UG/KG	26	0	680	U	-	24000	U	-	690
BENZO(K)FLUORANTHENE	UG/KG	26	0	680	U	-	24000	U	-	690
BENZYL BUTYL PHTHALATE	UG/KG	26	0	680	U	-	24000	U	-	690
BIS(2-CHLOROETHOXY) METHANE	UG/KG	26	0	680	U	-	24000	U	-	690
BIS(2-CHLOROETHYL)ETHER	UG/KG	26	0	680	U	-	24000	U	-	690

Table C - 16c

Site 16: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	26	0	680	U	-	24000	U	-	690
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	26	0	680	U	-	24000	U	-	690
CARBAZOLE	UG/KG	26	0	680	U	-	24000	U	-	690
CHRYSENE	UG/KG	26	0	680	U	-	24000	U	-	690
DI-N-BUTYL PHTHALATE	UG/KG	26	0	680	U	-	24000	U	-	690
DI-N-OCTYL PHTHALATE	UG/KG	26	0	680	U	-	24000	U	-	690
DIBENZO(A,H)ANTHRACENE	UG/KG	26	0	680	U	-	24000	U	-	690
DIBENZOFURAN	UG/KG	26	0	680	U	-	24000	U	-	690
DIETHYL PHTHALATE	UG/KG	26	0	680	U	-	24000	U	-	690
DIMETHYL PHTHALATE	UG/KG	26	0	680	U	-	24000	U	-	690
FLUORANTHENE	UG/KG	26	0	680	U	-	24000	U	-	690
FLUORENE	UG/KG	26	0	680	U	-	24000	U	-	690
HEXACHLOROBENZENE	UG/KG	26	0	680	U	-	24000	U	-	690
HEXACHLOROBUTADIENE	UG/KG	26	0	680	U	-	24000	U	-	690
HEXACHLOROCYCLOPENTADIENE	UG/KG	26	0	680	U	-	24000	U	-	690
HEXACHLOROETHANE	UG/KG	26	0	680	U	-	24000	U	-	690
INDENO(1,2,3-CD)PYRENE	UG/KG	26	0	680	U	-	24000	U	-	690
ISOPHORONE	UG/KG	26	0	680	U	-	24000	U	-	690
N-NITROSODIPHENYLAMINE	UG/KG	26	0	680	U	-	24000	U	-	690
N-NITROSODIPROPYLAMINE	UG/KG	26	0	680	U	-	24000	U	-	690
NAPHTHALENE	UG/KG	26	3	680	U	-	26000		16_AB213	690
NITROBENZENE	UG/KG	26	0	680	U	-	24000	U	-	690
PENTACHLOROPHENOL	UG/KG	26	0	1600	U	-	57000	U	-	1700
PHENANTHRENE	UG/KG	26	0	680	U	-	24000	U	-	690
PHENOL	UG/KG	26	0	680	U	-	24000	U	-	690
PYRENE	UG/KG	26	0	680	U	-	24000	U	-	690
DIOXINS AND FURANS										
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-D	NG/G	1	0	0.06	U	-	0.06	U	-	0.06
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURA	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURA	NG/G	1	0	0.06	U	-	0.06	U	-	0.06
1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOX	NG/G	1	0	0.07	U	-	0.07	U	-	0.07
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	NG/G	1	0	0.06	U	-	0.06	U	-	0.06
1,2,3,6,7,8-HEXACHLORODIBENZO	NG/G	1	0	0.08	U	-	0.08	U	-	0.08

Table C - 16c

Site 16: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	NG/G	1	0	0.05	U	-	0.05	U	-	0.05
1,2,3,7,8,9-HEXACHLORODIBENZO-p-DIOX	NG/G	1	0	0.05	U	-	0.05	U	-	0.05
1,2,3,7,8,9-HEXACHLORODIBENZOFURANS	NG/G	1	0	0.06	U	-	0.06	U	-	0.06
1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXI	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
1,2,3,7,8-PENTACHLORODIBENZOFURAN	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
2,3,4,7,8-PENTACHLORODIBENZOFURAN	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
2,3,7,8-TETRACHLORODIBENZOFURAN	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
HEPTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.06	U	-	0.06	U	-	0.06
HEPTACHLORODIBENZOFURANS	NG/G	1	0	0.06	U	-	0.06	U	-	0.06
HEXACHLORODIBENZOFURANS	NG/G	1	0	0.06	U	-	0.06	U	-	0.06
HEXACHLORODIBENZOFURNS	NG/G	1	0	0.04	U	-	0.04	U	-	0.04
HEXACHLORODIBENZPO-P-DIOXINS	NG/G	1	0	0.08	U	-	0.08	U	-	0.08
OCTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.18	U	-	0.18	U	-	0.18
OCTACHLORODIBENZOFURAN	NG/G	1	0	0.12	U	-	0.12	U	-	0.12
PENTACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
PENTACHLORODIBENZOFURANS	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
TETRACHLORODIBENZO-P-DIOXINS	NG/G	1	0	0.03	U	-	0.03	U	-	0.03
TETRACHLORODIBENZOFURANS	NG/G	1	0	0.01	U	-	0.01	U	-	0.01
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	25	7	12.9	U	-	40000		16_AB213	7230
TFH GASOLINE	MG/KG	26	11	0.05	U	-	7040		16_AB213	0.0522
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	25	8	20	U	-	5524		16_AB213	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

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Site 17: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KG	2	1	100	U	-	107		17_DGMW82	100
METALS										
ALUMINUM	MG/KG	11	11	186		17_DGMW82	8700		17_DB053	6.4
ANTIMONY	MG/KG	11	1	2.5	U	-	5.1	b	17_DGMW82	2.5
ARSENIC	MG/KG	11	11	1.9	b	17_DB053	13.1		17_DB053	0.7
BARIUM	MG/KG	11	11	4.4	b	17_DGMW82	103		17_DB053	0.02
BERYLLIUM	MG/KG	11	7	0.11	U	-	2.1		17_DB053	0.1
CADMIUM	MG/KG	11	10	0.29	U	-	11.7		17_DB053	0.25
CALCIUM	MG/KG	11	11	1930		17_DB053	93900		17_DGMW82	21.2
CHROMIUM	MG/KG	11	10	0.88	U	-	19.2		17_DB053	0.76
COBALT	MG/KG	11	10	1.4	b	17_DGMW82	5.2	b	17_DB053	1.2
COPPER	MG/KG	11	10	1.3	U	-	12.4		17_DB053	0.19
IRON	MG/KG	11	11	445		17_DGMW82	9850		17_DB053	0.47
LEAD	MG/KG	11	11	1.4		17_DB053	29.1		17_DB053	0.6
MAGNESIUM	MG/KG	11	11	173	b	17_DGMW82	3210		17_DB053	2.9
MANGANESE	MG/KG	11	11	10.1		17_DGMW82	157		17_DB053	0.16
MERCURY	MG/KG	11	2	0.03	U	-	0.9		17_DGMW82	0.07
NICKEL	MG/KG	11	9	1.8	U	-	7.4	b	17_DB053	1.6
POTASSIUM	MG/KG	11	10	45.5	U	-	2400		17_DB053	39.3
SELENIUM	MG/KG	11	2	0.11	U	-	0.45	b	17_DB053	0.2
SILVER	MG/KG	11	0	0.43	U	-	0.5	U	-	0.43
SODIUM	MG/KG	11	11	185	b	17_DB053	1260		17_DB053	2.6
THALLIUM	MG/KG	11	0	0.14	U	-	0.17	U	-	0.7
VANADIUM	MG/KG	11	11	1.9	b	17_DGMW82	34.2		17_DB053	0.39
ZINC	MG/KG	11	11	2.7	b	17_DGMW82	76.4		17_DB053	0.45
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	12	0	10	U	-	12	U	-	12
1,1,2,2-TETRACHLOROETHANE	UG/KG	12	0	10	U	-	12	U	-	12
1,1,2-TRICHLOROETHANE	UG/KG	12	0	10	U	-	12	U	-	12
1,1-DICHLOROETHANE	UG/KG	12	0	10	U	-	12	U	-	12
1,1-DICHLOROETHENE	UG/KG	12	0	10	U	-	12	U	-	12
1,2-DICHLOROETHANE	UG/KG	12	0	10	U	-	12	U	-	12
1,2-DICHLOROETHENE (TOTAL)	UG/KG	12	0	10	U	-	12	U	-	12
1,2-DICHLOROPROPANE	UG/KG	12	0	10	U	-	12	U	-	12

Table C - 17c

Site 17: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2-BUTANONE	UG/KG	12	1	10	U	-	16		17_DGMW82	12
2-HEXANONE	UG/KG	12	0	10	U	-	12	U	-	12
4-METHYL-2-PENTANONE	UG/KG	12	0	10	U	-	12	U	-	12
ACETONE	UG/KG	12	4	10	U	-	38		17_DGMW82	12
BENZENE	UG/KG	12	0	10	U	-	12	U	-	12
BROMODICHLOROMETHANE	UG/KG	12	0	10	U	-	12	U	-	12
BROMOFORM	UG/KG	12	0	10	U	-	12	U	-	12
BROMOMETHANE (METHYL BROMIDE)	UG/KG	12	0	10	U	-	12	U	-	12
CARBON DISULFIDE	UG/KG	12	0	10	U	-	12	U	-	12
CARBON TETRACHLORIDE	UG/KG	12	0	10	U	-	12	U	-	12
CHLOROBENZENE	UG/KG	12	0	10	U	-	12	U	-	12
CHLORODIBROMOMETHANE	UG/KG	12	0	10	U	-	12	U	-	12
CHLOROETHANE	UG/KG	12	0	10	U	-	12	U	-	12
CHLOROFORM	UG/KG	12	0	10	U	-	12	U	-	12
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	12	0	10	U	-	12	U	-	12
CIS-1,3-DICHLOROPROPENE	UG/KG	12	0	10	U	-	12	U	-	12
ETHYLBENZENE	UG/KG	12	0	10	U	-	12	U	-	12
METHYLENE CHLORIDE	UG/KG	12	0	10	U	-	24	U	-	12
STYRENE	UG/KG	12	0	10	U	-	12	U	-	12
TETRACHLOROETHENE	UG/KG	12	0	10	U	-	12	U	-	12
TOLUENE	UG/KG	12	1	4	J	17_DB053	4	J	17_DB053	12
TRANS-1,3-DICHLOROPROPENE	UG/KG	12	0	10	U	-	12	U	-	12
TRICHLOROETHYLENE	UG/KG	12	0	10	U	-	12	U	-	12
VINYL CHLORIDE	UG/KG	12	0	10	U	-	12	U	-	12
XYLENE (TOTAL)	UG/KG	12	0	10	U	-	12	U	-	12
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	12	0	670	U	-	780	U	-	780
1,2-DICHLOROBENZENE	UG/KG	12	0	670	U	-	780	U	-	780
1,3-DICHLOROBENZENE	UG/KG	12	0	670	U	-	780	U	-	780
1,4-DICHLOROBENZENE	UG/KG	12	0	670	U	-	780	U	-	780
2,4,5-TRICHLOROPHENOL	UG/KG	12	0	1600	U	-	1900	U	-	1900
2,4,6-TRICHLOROPHENOL	UG/KG	12	0	670	U	-	780	U	-	780
2,4-DICHLOROPHENOL	UG/KG	12	0	670	U	-	780	U	-	780
2,4-DIMETHYLPHENOL	UG/KG	12	0	670	U	-	780	U	-	780
2,4-DINITROPHENOL	UG/KG	12	0	1600	U	-	1900	U	-	1900

Table C - 17c

Site 17: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4-DINITROTOLUENE	UG/KG	12	0	670	U	-	780	U	-	780
2,6-DINITROTOLUENE	UG/KG	12	0	670	U	-	780	U	-	780
2-CHLORONAPHTHALENE	UG/KG	12	0	670	U	-	780	U	-	780
2-CHLOROPHENOL	UG/KG	12	0	670	U	-	780	U	-	780
2-METHYLNAPHTHALENE	UG/KG	12	0	670	U	-	780	U	-	780
2-METHYLPHENOL	UG/KG	12	0	670	U	-	780	U	-	780
2-NITROANILINE	UG/KG	12	0	1600	U	-	1900	U	-	1900
2-NITROPHENOL	UG/KG	12	0	670	U	-	780	U	-	780
3,3'-DICHLOROBENZIDINE	UG/KG	12	0	670	U	-	780	U	-	780
3-NITROANILINE	UG/KG	12	0	1600	U	-	1900	U	-	1900
4,6-DINITRO-2-METHYLPHENOL	UG/KG	12	0	1600	U	-	1900	U	-	1900
4-BROMOPHENYL PHENYL ETHER	UG/KG	12	0	670	U	-	780	U	-	780
4-CHLORO-3-METHYLPHENOL	UG/KG	12	0	670	U	-	780	U	-	780
4-CHLOROANILINE	UG/KG	12	0	670	U	-	780	U	-	780
4-CHLOROPHENYL PHENYL ETHER	UG/KG	12	0	670	U	-	780	U	-	780
4-METHYLPHENOL	UG/KG	12	0	670	U	-	780	U	-	780
4-NITROANILINE	UG/KG	12	0	1600	U	-	1900	U	-	1900
4-NITROPHENOL	UG/KG	12	0	1600	U	-	1900	U	-	1900
ACENAPHTHENE	UG/KG	12	0	670	U	-	780	U	-	780
ACENAPHTHYLENE	UG/KG	12	0	670	U	-	780	U	-	780
ANTHRACENE	UG/KG	12	0	670	U	-	780	U	-	780
BENZO(A)ANTHRACENE	UG/KG	12	0	670	U	-	780	U	-	780
BENZO(A)PYRENE	UG/KG	12	0	670	U	-	780	U	-	780
BENZO(B)FLUORANTHENE	UG/KG	12	0	670	U	-	780	U	-	780
BENZO(GHI)PERYLENE	UG/KG	12	0	670	U	-	780	U	-	780
BENZO(K)FLUORANTHENE	UG/KG	12	0	670	U	-	780	U	-	780
BENZYL BUTYL PHTHALATE	UG/KG	12	0	670	U	-	780	U	-	780
BIS(2-CHLOROETHOXY) METHANE	UG/KG	12	0	670	U	-	780	U	-	780
BIS(2-CHLOROETHYL)ETHER	UG/KG	12	0	670	U	-	780	U	-	780
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	12	0	670	U	-	780	U	-	780
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	12	0	670	U	-	780	U	-	780
CARBAZOLE	UG/KG	12	0	670	U	-	780	U	-	780
CHRYSENE	UG/KG	12	0	670	U	-	780	U	-	780
DI-N-BUTYL PHTHALATE	UG/KG	12	0	670	U	-	780	U	-	780
DI-N-OCTYL PHTHALATE	UG/KG	12	0	670	U	-	780	U	-	780

Table C - 17c

Site 17: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
DIBENZO(A,H)ANTHRACENE	UG/KG	12	0	670	U	-	780	U	-	780
DIBENZOFURAN	UG/KG	12	0	670	U	-	780	U	-	780
DIETHYL PHTHALATE	UG/KG	12	0	160	U	-	780	U	-	780
DIMETHYL PHTHALATE	UG/KG	12	0	670	U	-	780	U	-	780
FLUORANTHENE	UG/KG	12	0	670	U	-	780	U	-	780
FLUORENE	UG/KG	12	0	670	U	-	780	U	-	780
HEXACHLOROBENZENE	UG/KG	12	0	670	U	-	780	U	-	780
HEXACHLOROBUTADIENE	UG/KG	12	0	670	U	-	780	U	-	780
HEXACHLOROCYCLOPENTADIENE	UG/KG	12	0	670	U	-	780	U	-	780
HEXACHLOROETHANE	UG/KG	12	0	670	U	-	780	U	-	780
INDENO(1,2,3-CD)PYRENE	UG/KG	12	0	670	U	-	780	U	-	780
ISOPHORONE	UG/KG	12	0	670	U	-	780	U	-	780
N-NITROSODIPHENYLAMINE	UG/KG	12	0	670	U	-	780	U	-	780
N-NITROSODIPROPYLAMINE	UG/KG	12	0	670	U	-	780	U	-	780
NAPHTHALENE	UG/KG	12	0	670	U	-	780	U	-	780
NITROBENZENE	UG/KG	12	0	670	U	-	780	U	-	780
PENTACHLOROPHENOL	UG/KG	12	0	1600	U	-	1900	U	-	1900
PHENANTHRENE	UG/KG	12	0	670	U	-	780	U	-	780
PHENOL	UG/KG	12	0	670	U	-	780	U	-	780
PYRENE	UG/KG	12	0	670	U	-	780	U	-	780
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	11	0	3.38	U	-	3.93	U	-	3.9
4,4'-DDE	UG/KG	11	0	3.38	U	-	3.93	U	-	3.9
4,4'-DDT	UG/KG	11	0	3.38	U	-	3.93	U	-	3.9
ALDRIN	UG/KG	11	0	1.74	U	-	2.02	U	-	2
ALPHA-CHLORDANE	UG/KG	11	0	1.74	U	-	2.02	U	-	2
BHC-ALPHA	UG/KG	11	0	1.74	U	-	2.02	U	-	2
BHC-BETA	UG/KG	11	0	1.74	U	-	2.02	U	-	2
BHC-DELTA	UG/KG	11	0	1.74	U	-	2.02	U	-	2
BHC-GAMMA(LINDANE)	UG/KG	11	0	1.74	U	-	2.02	U	-	2
DIELDRIN	UG/KG	11	0	3.38	U	-	3.93	U	-	3.9
ENDOSULFAN I	UG/KG	11	0	1.74	U	-	2.02	U	-	2
ENDOSULFAN II	UG/KG	11	0	3.38	U	-	3.93	U	-	3.9
ENDOSULFAN SULFATE	UG/KG	11	1	3.4	U	-	7.29		17_DB053	3.9
ENDRIN	UG/KG	11	0	3.38	U	-	3.93	U	-	3.9

Table C - 17c

Site 17: Summary of Analytes and Minimum / Maximum Concentrations *in Vadose Zone (Subsurface) Samples*

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
ENDRIN ALDEHYDE	UG/KG	11	0	3.38	U	-	3.93	U	-	3.9
ENDRIN KETONE	UG/KG	11	1	2.9		17_DB053	2.9		17_DB053	3.9
GAMMA-CHLORDANE	UG/KG	11	0	1.74	U	-	2.02	U	-	2
HEPTACHLOR	UG/KG	11	0	1.74	U	-	2.02	U	-	2
HEPTACHLOR EPOXIDE	UG/KG	11	0	1.74	U	-	2.02	U	-	2
METHOXYCHLOR	UG/KG	11	0	17.4	U	-	20.2	U	-	20.2
PCB-1016	UG/KG	11	0	33.8	U	-	39.3	U	-	39.3
PCB-1221	UG/KG	11	0	68.6	U	-	79.7	U	-	79.7
PCB-1232	UG/KG	11	0	33.8	U	-	39.3	U	-	39.3
PCB-1242	UG/KG	11	0	33.8	U	-	39.3	U	-	39.3
PCB-1248	UG/KG	11	0	33.8	U	-	39.3	U	-	39.3
PCB-1254	UG/KG	11	0	33.8	U	-	39.3	U	-	39.3
PCB-1260	UG/KG	11	0	33.8	U	-	39.3	U	-	39.3
TOXAPHENE	UG/KG	11	0	174	U	-	202	U	-	202
HERBICIDES										
2,4 DICHLOROPHENOXY ACETIC ACID	UG/KG	9	0	102	U	-	118	U	-	118
2,4,5-T	UG/KG	9	0	25.6	U	-	29.6	U	-	29.6
2,4,5-TP (SILVEX)	UG/KG	9	0	25.6	U	-	29.6	U	-	29.6
2,4-DB	UG/KG	9	3	51.2	U	-	200		17_DB053	59.1
DALAPON	UG/KG	9	4	54.7	U	-	172		17_DB053	59.1
DICAMBA	UG/KG	9	0	51.2	U	-	59.1	U	-	59.1
DICHLOROPROP	UG/KG	9	1	102	U	-	171		17_DB053	118
DINOSEB	UG/KG	9	1	25.6	U	-	38.8		17_DB053	29.6
MCPA	UG/KG	9	2	25600	U	-	70300		17_DB053	29600
MCPP	UG/KG	9	3	25600	U	-	58300		17_DB053	29600
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	11	4	13.6	U	-	106		17_DB053	14.8
TFH GASOLINE	MG/KG	11	4	0.05	U	-	0.58		17_DB053	0.0595
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	12	3	20	U	-	1886		17_DB053	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 18c

Site 18: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KGW	16	11	100	J	18_BGMP06	310		18_BGMW16	100
TOTAL ORGANIC CARBON	MG/KG	16	9	100	U	-	420		18_BGMW02D	100
METALS										
ALUMINUM	MG/KG	74	74	1010		18_MCAB229	26300		18_BEAB226	31
ANTIMONY	MG/KG	74	1	2.5	U	-	4.6	b	18_BEAB227	12.1
ARSENIC	MG/KG	74	65	0.39	b	18_ACAB223	9.5		18_BOAB221	0.6
BARIUM	MG/KG	74	74	11.4	b	18_MCAB229	344		18_BEAB226	0.1
BERYLLIUM	MG/KG	74	38	0.07	b	18_BGMW05D	1.1	b	18_BGMW05D	0.5
CADMIUM	MG/KG	74	68	0.24	U	-	4.2		18_ACAB222	1.2
CALCIUM	MG/KG	74	74	665	b	18_MCAB228	28300		18_BEAB226	103
CHROMIUM	MG/KG	74	74	1.3	J	18_ACAB224	24.9		18_BEAB226	3.7
COBALT	MG/KG	74	64	1.2	U	-	13.4		18_BEAB226	5.8
COPPER	MG/KG	74	67	0.51	b	18_ACAB223	23.3		18_BGMW05D	0.9
IRON	MG/KG	74	74	1640	J	18_ACAB224	34100		18_BEAB226	2.3
LEAD	MG/KG	74	74	0.58	b	18_BEAB227	6.7		18_BOAB220	0.6
MAGNESIUM	MG/KG	74	74	516	J	18_ACAB224	13800		18_BEAB226	14.3
MANGANESE	MG/KG	74	74	31.2	J	18_ACAB224	660		18_ACAB225	0.8
MERCURY	MG/KG	74	15	0.02	U	-	0.47		18_BEAB226	0.04
NICKEL	MG/KG	74	56	1.6	U	-	21		18_BOAB221	7.7
POTASSIUM	MG/KG	74	73	327	J	18_ACAB224	8940		18_BEAB226	191
SELENIUM	MG/KG	74	5	0.1	U	-	0.21	b	18_ACAB225	0.5
SILVER	MG/KG	74	4	0.32	U	-	0.58	b	18_BOAB220	2.1
SODIUM	MG/KG	74	68	121	U	-	1660		18_MCAB228	12.4
THALLIUM	MG/KG	74	29	0.14	U	-	0.63	b	18_BEAB226	0.17
VANADIUM	MG/KG	74	74	5	J	18_ACAB224	84		18_BEAB226	1.9
ZINC	MG/KG	74	74	5.3	J	18_ACAB224	103		18_BEAB226	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	95	0	10	U	-	58	U	-	13
1,1,2,2-TETRACHLOROETHANE	UG/KG	95	0	10	U	-	58	U	-	13
1,1,2-TRICHLOROETHANE	UG/KG	95	0	10	U	-	58	U	-	13
1,1-DICHLOROETHANE	UG/KG	95	0	10	U	-	58	U	-	13
1,1-DICHLOROETHENE	UG/KG	95	0	10	U	-	58	U	-	13

Table C - 18c

Site 18: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2-DICHLOROETHANE	UG/KG	95	0	10	U	-	58	U	-	13
1,2-DICHLOROETHENE (TOTAL)	UG/KG	95	0	10	U	-	58	U	-	13
1,2-DICHLOROPROPANE	UG/KG	95	0	10	U	-	58	U	-	13
2-BUTANONE	UG/KG	95	4	4	J	18_ACAB224	24	J	18_ACAB224	13
2-HEXANONE	UG/KG	95	0	10	U	-	58	U	-	13
4-METHYL-2-PENTANONE	UG/KG	95	0	10	U	-	58	U	-	13
ACETONE	UG/KG	95	24	4	J	18_MCAB228	530	B	18_ACAB224	13
BENZENE	UG/KG	95	0	10	U	-	58	U	-	13
BROMODICHLOROMETHANE	UG/KG	95	0	10	U	-	58	U	-	13
BROMOFORM	UG/KG	95	0	10	U	-	58	U	-	13
BROMOMETHANE (METHYL BROMIDE)	UG/KG	95	0	10	U	-	58	U	-	13
CARBON DISULFIDE	UG/KG	95	0	10	U	-	58	U	-	13
CARBON TETRACHLORIDE	UG/KG	95	0	10	U	-	58	U	-	13
CHLOROBENZENE	UG/KG	95	0	10	U	-	58	U	-	13
CHLORODIBROMOMETHANE	UG/KG	95	0	10	U	-	58	U	-	13
CHLOROETHANE	UG/KG	95	0	10	U	-	58	U	-	13
CHLOROFORM	UG/KG	95	0	10	U	-	58	U	-	13
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	95	0	10	U	-	58	U	-	13
CIS-1,3-DICHLOROPROPENE	UG/KG	95	0	10	U	-	58	U	-	13
ETHYLBENZENE	UG/KG	95	0	10	U	-	58	U	-	13
METHYLENE CHLORIDE	UG/KG	95	7	4	J	18_BGMW05D	54	J	18_ACAB224	13
STYRENE	UG/KG	95	0	10	U	-	58	U	-	13
TETRACHLOROETHENE	UG/KG	95	0	10	U	-	58	U	-	13
TOLUENE	UG/KG	95	5	3	J	18_BGMW01C	5	J	18_BGMW19A	13
TRANS-1,3-DICHLOROPROPENE	UG/KG	95	0	10	U	-	58	U	-	13
TRICHLOROETHYLENE	UG/KG	95	1	10	U	-	19		18_BGMW03E	13
VINYL CHLORIDE	UG/KG	95	0	10	U	-	58	U	-	13
XYLENE (TOTAL)	UG/KG	95	0	10	U	-	58	U	-	13
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	74	0	670	U	-	23000	U	-	750
1,2-DICHLOROBENZENE	UG/KG	74	0	670	U	-	23000	U	-	750
1,3-DICHLOROBENZENE	UG/KG	74	0	670	U	-	23000	U	-	750
1,4-DICHLOROBENZENE	UG/KG	74	0	670	U	-	23000	U	-	750

Table C - 18c

Site 18: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4,5-TRICHLOROPHENOL	UG/KG	74	0	1600	U	-	56000	U	-	1800
2,4,6-TRICHLOROPHENOL	UG/KG	74	0	670	U	-	23000	U	-	750
2,4-DICHLOROPHENOL	UG/KG	74	0	670	U	-	23000	U	-	750
2,4-DIMETHYLPHENOL	UG/KG	74	0	670	U	-	23000	U	-	750
2,4-DINITROPHENOL	UG/KG	74	0	1600	U	-	56000	U	-	1800
2,4-DINITROTOLUENE	UG/KG	74	0	670	U	-	23000	U	-	750
2,6-DINITROTOLUENE	UG/KG	74	0	670	U	-	23000	U	-	750
2-CHLORONAPHTHALENE	UG/KG	74	0	670	U	-	23000	U	-	750
2-CHLOROPHENOL	UG/KG	74	0	670	U	-	23000	U	-	750
2-METHYLNAPHTHALENE	UG/KG	74	2	670	U	-	4300		18_BEAB226	750
2-METHYLPHENOL	UG/KG	74	0	670	U	-	23000	U	-	750
2-NITROANILINE	UG/KG	74	0	1600	U	-	56000	U	-	1800
2-NITROPHENOL	UG/KG	74	0	670	U	-	23000	U	-	750
3,3'-DICHLOROBENZIDINE	UG/KG	74	0	670	U	-	23000	U	-	750
3-NITROANILINE	UG/KG	74	0	1600	U	-	56000	U	-	1800
4,6-DINITRO-2-METHYLPHENOL	UG/KG	74	0	1600	U	-	56000	U	-	1800
4-BROMOPHENYL PHENYL ETHER	UG/KG	74	0	670	U	-	23000	U	-	750
4-CHLORO-3-METHYLPHENOL	UG/KG	74	0	670	U	-	23000	U	-	750
4-CHLOROANILINE	UG/KG	74	0	670	U	-	23000	U	-	750
4-CHLOROPHENYL PHENYL ETHER	UG/KG	74	0	670	U	-	23000	U	-	750
4-METHYLPHENOL	UG/KG	74	0	670	U	-	23000	U	-	750
4-NITROANILINE	UG/KG	74	0	1600	U	-	56000	U	-	1800
4-NITROPHENOL	UG/KG	74	0	1600	U	-	56000	U	-	1800
ACENAPHTHENE	UG/KG	74	0	670	U	-	23000	U	-	750
ACENAPHTHYLENE	UG/KG	74	0	670	U	-	23000	U	-	750
ANTHRACENE	UG/KG	74	0	670	U	-	23000	U	-	750
BENZO(A)ANTHRACENE	UG/KG	74	0	670	U	-	23000	U	-	750
BENZO(A)PYRENE	UG/KG	74	0	670	U	-	23000	U	-	750
BENZO(B)FLUORANTHENE	UG/KG	74	0	670	U	-	23000	U	-	750
BENZO(GHI)PERYLENE	UG/KG	74	0	670	U	-	23000	U	-	750
BENZO(K)FLUORANTHENE	UG/KG	74	0	670	U	-	23000	U	-	750
BENZYL BUTYL PHTHALATE	UG/KG	74	1	240	J	18_ACAB223	240	J	18_ACAB223	750
BIS(2-CHLOROETHOXY) METHANE	UG/KG	74	0	670	U	-	23000	U	-	750

Table C - 18c

Site 18: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BIS(2-CHLOROETHYL)ETHER	UG/KG	74	0	670	U	-	23000	U	-	750
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	74	0	670	U	-	23000	U	-	750
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	74	1	170	J	18_ACAB225	170	J	18_ACAB225	750
CARBAZOLE	UG/KG	74	0	670	U	-	23000	U	-	750
CHRYSENE	UG/KG	74	0	670	U	-	23000	U	-	750
DI-N-BUTYL PHTHALATE	UG/KG	74	0	670	U	-	23000	U	-	750
DI-N-OCTYL PHTHALATE	UG/KG	74	0	670	U	-	23000	U	-	750
DIBENZO(A,H)ANTHRACENE	UG/KG	74	0	670	U	-	23000	U	-	750
DIBENZOFURAN	UG/KG	74	1	180	J	18_BEAB226	180	J	18_BEAB226	750
DIETHYL PHTHALATE	UG/KG	74	0	670	U	-	23000	U	-	750
DIMETHYL PHTHALATE	UG/KG	74	0	670	U	-	23000	U	-	750
FLUORANTHENE	UG/KG	74	0	670	U	-	23000	U	-	750
FLUORENE	UG/KG	74	0	670	U	-	23000	U	-	750
HEXACHLOROBENZENE	UG/KG	74	0	670	U	-	23000	U	-	750
HEXACHLOROBUTADIENE	UG/KG	74	0	670	U	-	23000	U	-	750
HEXACHLOROCYCLOPENTADIENE	UG/KG	74	0	670	U	-	23000	U	-	750
HEXACHLOROETHANE	UG/KG	74	0	670	U	-	23000	U	-	750
INDENO(1,2,3-CD)PYRENE	UG/KG	74	0	670	U	-	23000	U	-	750
ISOPHORONE	UG/KG	74	0	670	U	-	23000	U	-	750
N-NITROSODIPHENYLAMINE	UG/KG	74	0	670	U	-	23000	U	-	750
N-NITROSODIPROPYLAMINE	UG/KG	74	0	670	U	-	23000	U	-	750
NAPHTHALENE	UG/KG	74	2	670	U	-	1800		18_BEAB226	750
NITROBENZENE	UG/KG	74	0	670	U	-	23000	U	-	750
PENTACHLOROPHENOL	UG/KG	74	0	1600	U	-	56000	U	-	1800
PHENANTHRENE	UG/KG	74	2	320	J	18_BEAB226	640	J	18_BEAB226	750
PHENOL	UG/KG	74	0	670	U	-	23000	U	-	750
PYRENE	UG/KG	74	0	670	U	-	23000	U	-	750
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	74	6	3.36	U	-	757	P	18_MCAB229	3.71
4,4'-DDE	UG/KG	74	4	3.36	U	-	514	J	18_MCAB229	3.71
4,4'-DDT	UG/KG	74	5	3.36	U	-	527	C	18_MCAB229	3.71
ALDRIN	UG/KG	74	0	1.73	U	-	9.82	U	-	1.91
ALPHA-CHLORDANE	UG/KG	74	3	1.73	U	-	9.67		18_BEAB226	1.91

Table C - 18c

Site 18: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BHC-ALPHA	UG/KG	74	0	1.73	U	-	9.82	U	-	1.91
BHC-BETA	UG/KG	74	0	1.73	U	-	9.82	U	-	1.91
BHC-DELTA	UG/KG	74	0	1.73	U	-	9.82	U	-	1.91
BHC-GAMMA(LINDANE)	UG/KG	74	0	1.73	U	-	9.82	U	-	1.91
DIELDRIN	UG/KG	74	0	3.36	U	-	19.1	U	-	3.71
ENDOSULFAN I	UG/KG	74	0	1.73	U	-	9.82	U	-	1.91
ENDOSULFAN II	UG/KG	74	0	3.36	U	-	19.1	U	-	3.71
ENDOSULFAN SULFATE	UG/KG	74	2	3.36	U	-	24.4	J	18_MCAB229	3.71
ENDRIN	UG/KG	74	1	3.36	U	-	28.9	J	18_MCAB229	3.71
ENDRIN ALDEHYDE	UG/KG	44	0	3.36	U	-	19.1	U	-	4.2
ENDRIN KETONE	UG/KG	74	1	0.63	J	18_MCAB229	0.63	J	18_MCAB229	3.71
GAMMA-CHLORDANE	UG/KG	74	3	1.73	U	-	11.1		18_BEAB226	1.91
HEPTACHLOR	UG/KG	74	0	1.73	U	-	9.82	U	-	1.91
HEPTACHLOR EPOXIDE	UG/KG	73	0	1.73	U	-	9.82	U	-	1.91
METHOXYCHLOR	UG/KG	74	0	17.3	U	-	98.2	U	-	19.1
PCB-1016	UG/KG	74	0	33.6	U	-	191	U	-	37.1
PCB-1221	UG/KG	74	0	68.1	U	-	387	U	-	75.4
PCB-1232	UG/KG	74	0	33.6	U	-	191	U	-	37.1
PCB-1242	UG/KG	74	0	33.6	U	-	191	U	-	37.1
PCB-1248	UG/KG	74	0	33.6	U	-	191	U	-	37.1
PCB-1254	UG/KG	74	0	33.6	U	-	191	U	-	37.1
PCB-1260	UG/KG	74	2	33.6	U	-	39.4	p	18_BEAB226	37.1
TOXAPHENE	UG/KG	74	0	173	U	-	982	U	-	191
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	75	9	12.9	U	-	15300		18_ACAB223	14.3
TFH GASOLINE	MG/KG	74	11	0.05	U	-	131000		18_ACAB223	0.0568
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	72	12	11	U	-	5873		18_ACAB223	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 19c

Site 19: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KGW	5	5	103		19_DGMW86	249		19_UGMW35	100
METALS										
ALUMINUM	MG/KG	49	49	1090		19_DGMW86	23700		19_DBMW54	22.2
ANTIMONY	MG/KG	49	2	2.5	U	-	3	b	19_UGMW35	2.8
ARSENIC	MG/KG	49	35	0.76	b	19_25B214	7.1		19_AB217	1
BARIUM	MG/KG	49	48	16.8	b	19_DGMW86	201		19_DGMW86	0.6
BERYLLIUM	MG/KG	49	32	0.1	U	-	0.85	b	19_DBMW54	0.2
CADMIUM	MG/KG	49	40	0.26	U	-	5.9		19_UGMW35	2.7
CALCIUM	MG/KG	49	49	1150		19_25B216	16500		19_AB217	11.5
CHROMIUM	MG/KG	49	49	1.9	b	19_DGMW86	28.3		19_AB217	1.9
COBALT	MG/KG	49	46	1.2	U	-	15.3		19_DBMW54	1.6
COPPER	MG/KG	49	49	1.6	b	19_25B214	15.9		19_AB217	1.8
IRON	MG/KG	49	49	2030		19_DGMW86	28900		19_DBMW54	5.5
LEAD	MG/KG	49	42	0.47	b	19_25B214	6		19_DBMW54	1.4
MAGNESIUM	MG/KG	49	49	608	b	19_DGMW86	10500		19_DBMW54	48.5
MANGANESE	MG/KG	49	49	14.2		19_25B215	584		19_DBMW54	1.6
MERCURY	MG/KG	49	4	0.01	U	-	0.32		19_DGMW85	0.02
NICKEL	MG/KG	49	44	1.6	U	-	22.9		19_UGMW35	10.7
POTASSIUM	MG/KG	49	49	420	b	19_25B215	6940		19_DBMW54	601.5
SELENIUM	MG/KG	49	1	0.1	U	-	0.11	b	19_25B215	2.1
SILVER	MG/KG	49	6	0.31	U	-	0.66	b	19_AB217	1.5
SODIUM	MG/KG	49	41	174	b	19_25B214	977	b	19_DBMW54	422
THALLIUM	MG/KG	49	22	0.14	U	-	0.5	b	19_DBMW54	1.6
VANADIUM	MG/KG	49	49	6.7	b	19_25B214	73		19_DBMW54	1.3
ZINC	MG/KG	49	49	7.6		19_25B215	88.4		19_DBMW54	7.6
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	50	0	10	U	-	13	U	-	11
1,1,2,2-TETRACHLOROETHANE	UG/KG	50	0	10	U	-	13	U	-	11
1,1,2-TRICHLOROETHANE	UG/KG	50	0	10	U	-	13	U	-	11
1,1-DICHLOROETHANE	UG/KG	50	0	10	U	-	13	U	-	11
1,1-DICHLOROETHENE	UG/KG	50	0	10	U	-	13	U	-	11
1,2-DICHLOROETHANE	UG/KG	50	0	10	U	-	13	U	-	11

Table C - 19c

Site 19: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2-DICHLOROETHENE (TOTAL)	UG/KG	50	0	10	U	-	13	U	-	11
1,2-DICHLOROPROPANE	UG/KG	50	0	10	U	-	13	U	-	11
2-BUTANONE	UG/KG	50	7	2	J	19_UGMW35	5	J	19_25B214	11
2-HEXANONE	UG/KG	50	0	10	U	-	13	U	-	11
4-METHYL-2-PENTANONE	UG/KG	50	0	10	U	-	13	U	-	11
ACETONE	UG/KG	50	23	6	J	19_DBMW54	47		19_DGMW85	11
BENZENE	UG/KG	50	0	10	U	-	13	U	-	11
BROMODICHLOROMETHANE	UG/KG	50	0	10	U	-	13	U	-	11
BROMOFORM	UG/KG	50	0	10	U	-	13	U	-	11
BROMOMETHANE (METHYL BROMIDE)	UG/KG	50	0	10	U	-	13	U	-	11
CARBON DISULFIDE	UG/KG	50	0	10	U	-	13	U	-	11
CARBON TETRACHLORIDE	UG/KG	50	0	10	U	-	13	U	-	11
CHLOROBENZENE	UG/KG	50	0	10	U	-	13	U	-	11
CHLORODIBROMOMETHANE	UG/KG	50	0	10	U	-	13	U	-	11
CHLOROETHANE	UG/KG	50	0	10	U	-	13	U	-	11
CHLOROFORM	UG/KG	50	0	10	U	-	13	U	-	11
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	50	0	10	U	-	13	U	-	11
CIS-1,3-DICHLOROPROPENE	UG/KG	50	0	10	U	-	13	U	-	11
ETHYLBENZENE	UG/KG	50	0	10	U	-	13	U	-	11
METHYLENE CHLORIDE	UG/KG	50	0	10	U	-	44	U	-	11
STYRENE	UG/KG	50	0	10	U	-	13	U	-	11
TETRACHLOROETHENE	UG/KG	50	0	10	U	-	13	U	-	11
TOLUENE	UG/KG	50	3	3	J	19_DBMW54	11		19_DBMW54	11
TRANS-1,3-DICHLOROPROPENE	UG/KG	50	0	10	U	-	13	U	-	11
TRICHLOROETHYLENE	UG/KG	50	0	10	U	-	13	U	-	11
VINYL CHLORIDE	UG/KG	50	0	10	U	-	13	U	-	11
XYLENE (TOTAL)	UG/KG	50	0	10	U	-	13	U	-	11
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	49	1	670	U	-	1500		19_DBMW54	710
1,2-DICHLOROBENZENE	UG/KG	49	0	670	U	-	840	U	-	710
1,3-DICHLOROBENZENE	UG/KG	49	0	670	U	-	840	U	-	710
1,4-DICHLOROBENZENE	UG/KG	49	1	670	U	-	1500		19_DBMW54	710
2,4,5-TRICHLOROPHENOL	UG/KG	49	0	1600	U	-	2000	U	-	1700

Table C - 19c

Site 19: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4,6-TRICHLOROPHENOL	UG/KG	49	0	670	U	-	840	U	-	710
2,4-DICHLOROPHENOL	UG/KG	49	0	670	U	-	840	U	-	710
2,4-DIMETHYLPHENOL	UG/KG	49	0	670	U	-	840	U	-	710
2,4-DINITROPHENOL	UG/KG	49	0	1600	U	-	2000	U	-	1700
2,4-DINITROTOLUENE	UG/KG	49	1	670	U	-	1400		19_DBMW54	710
2,6-DINITROTOLUENE	UG/KG	49	0	670	U	-	840	U	-	710
2-CHLORONAPHTHALENE	UG/KG	49	0	670	U	-	840	U	-	710
2-CHLOROPHENOL	UG/KG	49	1	670	U	-	2300		19_DBMW54	710
2-METHYLNAPHTHALENE	UG/KG	49	0	670	U	-	840	U	-	710
2-METHYLPHENOL	UG/KG	49	0	670	U	-	840	U	-	710
2-NITROANILINE	UG/KG	49	0	1600	U	-	2000	U	-	1700
2-NITROPHENOL	UG/KG	49	0	670	U	-	840	U	-	710
3,3'-DICHLOROBENZIDINE	UG/KG	49	0	670	U	-	840	U	-	710
3-NITROANILINE	UG/KG	49	0	1600	U	-	2000	U	-	1700
4,6-DINITRO-2-METHYLPHENOL	UG/KG	49	0	1600	U	-	2000	U	-	1700
4-BROMOPHENYL PHENYL ETHER	UG/KG	49	0	670	U	-	840	U	-	710
4-CHLORO-3-METHYLPHENOL	UG/KG	49	1	670	U	-	1800		19_DBMW54	710
4-CHLOROANILINE	UG/KG	49	0	670	U	-	840	U	-	710
4-CHLOROPHENYL PHENYL ETHER	UG/KG	49	0	670	U	-	840	U	-	710
4-METHYLPHENOL	UG/KG	49	0	670	U	-	840	U	-	710
4-NITROANILINE	UG/KG	49	0	1600	U	-	2000	U	-	1700
4-NITROPHENOL	UG/KG	49	1	1500	J	19_DBMW54	1500	J	19_DBMW54	1700
ACENAPHTHENE	UG/KG	49	2	280	J	19_DGMW85	1700		19_DBMW54	710
ACENAPHTHYLENE	UG/KG	49	0	670	U	-	840	U	-	710
ANTHRACENE	UG/KG	49	1	670	U	-	1200		19_DGMW85	710
BENZO(A)ANTHRACENE	UG/KG	49	0	670	U	-	840	U	-	710
BENZO(A)PYRENE	UG/KG	49	1	670	U	-	3000		19_DGMW85	710
BENZO(B)FLUORANTHENE	UG/KG	49	1	670	U	-	2700		19_DGMW85	710
BENZO(GHI)PERYLENE	UG/KG	49	1	670	U	-	940		19_DGMW85	710
BENZO(K)FLUORANTHENE	UG/KG	49	1	670	U	-	2500		19_DGMW85	710
BENZYL BUTYL PHTHALATE	UG/KG	49	0	670	U	-	840	U	-	710
BIS(2-CHLOROETHOXY) METHANE	UG/KG	49	0	670	U	-	840	U	-	710
BIS(2-CHLOROETHYL)ETHER	UG/KG	49	0	670	U	-	840	U	-	710

Table C - 19c

Site 19: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	49	0	670	U	-	840	U	-	710
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	49	2	370	J	19_25B216	580	J	19_25B214	710
CARBAZOLE	UG/KG	49	1	670	U	-	990		19_DGMW85	710
CHRYSENE	UG/KG	49	1	670	U	-	3500		19_DGMW85	710
DI-N-BUTYL PHTHALATE	UG/KG	49	0	670	U	-	840	U	-	710
DI-N-OCTYL PHTHALATE	UG/KG	49	1	670	U	-	1900		19_DBMW54	710
DIBENZO(A,H)ANTHRACENE	UG/KG	49	1	670	U	-	740		19_DGMW85	710
DIBENZOFURAN	UG/KG	49	0	670	U	-	840	U	-	710
DIETHYL PHTHALATE	UG/KG	49	1	180	J	19_DBMW54	180	J	19_DBMW54	710
DIMETHYL PHTHALATE	UG/KG	49	0	670	U	-	840	U	-	710
FLUORANTHENE	UG/KG	49	1	670	U	-	8000		19_DGMW85	710
FLUORENE	UG/KG	49	0	670	U	-	840	U	-	710
HEXACHLOROBENZENE	UG/KG	49	0	670	U	-	840	U	-	710
HEXACHLOROBUTADIENE	UG/KG	49	0	670	U	-	840	U	-	710
HEXACHLOROCYCLOPENTADIENE	UG/KG	49	0	670	U	-	840	U	-	710
HEXACHLOROETHANE	UG/KG	49	0	670	U	-	840	U	-	710
INDENO(1,2,3-CD)PYRENE	UG/KG	49	1	670	U	-	1500		19_DGMW85	710
ISOPHORONE	UG/KG	49	0	670	U	-	840	U	-	710
N-NITROSODIPHENYLAMINE	UG/KG	49	0	670	U	-	840	U	-	710
N-NITROSODIPROPYLAMINE	UG/KG	49	1	670	U	-	1300		19_DBMW54	710
NAPHTHALENE	UG/KG	49	0	670	U	-	840	U	-	710
NITROBENZENE	UG/KG	49	0	670	U	-	840	U	-	710
PENTACHLOROPHENOL	UG/KG	49	1	1200	J	19_DBMW54	1200	J	19_DBMW54	1700
PHENANTHRENE	UG/KG	49	1	670	U	-	4800		19_DGMW85	710
PHENOL	UG/KG	49	1	670	U	-	2200		19_DBMW54	710
PYRENE	UG/KG	49	2	670	U	-	6800		19_DGMW85	710
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	2	0	3.52	U	-	3.85	U	-	3.5
4,4'-DDE	UG/KG	2	0	3.52	U	-	3.85	U	-	3.5
4,4'-DDT	UG/KG	2	0	3.52	U	-	3.85	U	-	3.5
ALDRIN	UG/KG	2	0	1.81	U	-	1.98	U	-	1.8
ALPHA-CHLORDANE	UG/KG	2	0	1.81	U	-	1.98	U	-	1.8
BHC-ALPHA	UG/KG	2	0	1.81	U	-	1.98	U	-	1.8

Table C - 19c

Site 19: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BHC-BETA	UG/KG	2	0	1.81	U	-	1.98	U	-	1.8
BHC-DELTA	UG/KG	2	0	1.81	U	-	1.98	U	-	1.8
BHC-GAMMA(LINDANE)	UG/KG	2	0	1.81	U	-	1.98	U	-	1.8
DIELDRIN	UG/KG	2	0	3.52	U	-	3.85	U	-	3.5
ENDOSULFAN I	UG/KG	2	0	1.81	U	-	1.98	U	-	1.8
ENDOSULFAN II	UG/KG	2	0	3.52	U	-	3.85	U	-	3.5
ENDOSULFAN SULFATE	UG/KG	2	0	3.52	U	-	3.85	U	-	3.5
ENDRIN	UG/KG	2	0	3.52	U	-	3.85	U	-	3.5
ENDRIN ALDEHYDE	UG/KG	2	0	3.52	U	-	3.85	U	-	3.5
ENDRIN KETONE	UG/KG	2	0	3.52	U	-	3.85	U	-	3.5
GAMMA-CHLORDANE	UG/KG	2	0	1.81	U	-	1.98	U	-	1.8
HEPTACHLOR	UG/KG	2	0	1.81	U	-	1.98	U	-	1.8
HEPTACHLOR EPOXIDE	UG/KG	2	0	1.81	U	-	1.98	U	-	1.8
METHOXYCHLOR	UG/KG	2	0	18.1	U	-	19.8	U	-	18.1
PCB-1016	UG/KG	2	0	35.2	U	-	38.5	U	-	35.2
PCB-1221	UG/KG	2	0	71.5	U	-	78.1	U	-	71.5
PCB-1232	UG/KG	2	0	35.2	U	-	38.5	U	-	35.2
PCB-1242	UG/KG	2	0	35.2	U	-	38.5	U	-	35.2
PCB-1248	UG/KG	2	0	35.2	U	-	38.5	U	-	35.2
PCB-1254	UG/KG	2	0	35.2	U	-	38.5	U	-	35.2
PCB-1260	UG/KG	2	0	35.2	U	-	38.5	U	-	35.2
TOXAPHENE	UG/KG	2	0	181	U	-	198	U	-	181
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	49	3	12.5	U	-	31.4		19_DGMW85	13.2
TFH GASOLINE	MG/KG	47	15	0.05	U	-	1.68		19_25B215	0.0535
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	48	2	20	U	-	200		19_DBMW54	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 20c

Site 20: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KG	1	1	122		20_UGMW36	122		20_UGMW36	100
TOTAL ORGANIC CARBON	MG/KGW	1	0	100	U	-	100	U	-	100
METALS										
ALUMINUM	MG/KG	12	12	2730		20_UGMW36	21700		20_DBMW55	7.6
ANTIMONY	MG/KG	12	2	2.3	U	-	3.7	b	20_DBMW55	11
ARSENIC	MG/KG	12	12	1.7	b	20_DBMW55	7.2		20_DBMW55	0.7
BARIUM	MG/KG	12	12	44.8		20_UGMW36	229		20_DBMW55	0.3
BERYLLIUM	MG/KG	12	7	0.17	U	-	0.84	b	20_DBMW55	0.8
CADMIUM	MG/KG	12	12	0.44	b	20_UGMW36	2.9		20_DGMW88	1
CALCIUM	MG/KG	12	12	2040		20_DBMW55	16600		20_DBMW55	39.5
CHROMIUM	MG/KG	12	12	2.8		20_UGMW36	19.7		20_DBMW55	3.3
COBALT	MG/KG	12	11	1.7	U	-	10	b	20_DBMW55	7.8
COPPER	MG/KG	12	12	3.3	b	20_UGMW36	13.3		20_DBMW55	1.1
IRON	MG/KG	12	12	4470		20_UGMW36	26000		20_DBMW55	8.3
LEAD	MG/KG	12	12	1.3		20_UGMW36	3.7		20_DBMW55	0.5
MAGNESIUM	MG/KG	12	12	1830		20_UGMW36	13000		20_DBMW55	11.4
MANGANESE	MG/KG	12	12	108		20_UGMW36	359		20_DBMW55	0.8
MERCURY	MG/KG	12	7	0.03	J	20_UGMW36	0.34		20_DBMW55	0.1
NICKEL	MG/KG	12	12	3.4	b	20_UGMW36	18.1		20_DGMW88	7.8
POTASSIUM	MG/KG	12	12	1140		20_UGMW36	5710		20_DBMW55	148
SELENIUM	MG/KG	12	2	0.08	U	-	0.12	b	20_DGMW88	0.4
SILVER	MG/KG	12	1	0.3	U	-	0.64	b	20_DBMW55	1.4
SODIUM	MG/KG	12	12	231	b	20_UGMW36	1030	b	20_DBMW55	18.6
THALLIUM	MG/KG	12	8	0.15	U	-	0.34	b	20_DBMW55	0.8
VANADIUM	MG/KG	12	12	13.2		20_UGMW36	69.2		20_DBMW55	1.3
ZINC	MG/KG	12	12	14.4		20_UGMW36	77.3		20_DBMW55	1.6
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	14	0	11	U	-	12	U	-	11
1,1,2,2-TETRACHLOROETHANE	UG/KG	14	0	11	U	-	12	U	-	11
1,1,2-TRICHLOROETHANE	UG/KG	14	0	11	U	-	12	U	-	11
1,1-DICHLOROETHANE	UG/KG	14	0	11	U	-	12	U	-	11
1,1-DICHLOROETHENE	UG/KG	14	0	11	U	-	12	U	-	11

Table C - 20c

Site 20: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2-DICHLOROETHANE	UG/KG	14	0	11	U	-	12	U	-	11
1,2-DICHLOROETHENE (TOTAL)	UG/KG	14	0	11	U	-	12	U	-	11
1,2-DICHLOROPROPANE	UG/KG	14	0	11	U	-	12	U	-	11
2-BUTANONE	UG/KG	14	1	3	J	20_DBMW55	3	J	20_DBMW55	11
2-HEXANONE	UG/KG	14	0	11	U	-	12	U	-	11
4-METHYL-2-PENTANONE	UG/KG	14	0	11	U	-	12	U	-	11
ACETONE	UG/KG	14	4	6	J	20_UGMW36	22		20_UGMW36	11
BENZENE	UG/KG	14	0	11	U	-	12	U	-	11
BROMODICHLOROMETHANE	UG/KG	14	0	11	U	-	12	U	-	11
BROMOFORM	UG/KG	14	0	11	U	-	12	U	-	11
BROMOMETHANE (METHYL BROMIDE)	UG/KG	14	0	11	U	-	12	U	-	11
CARBON DISULFIDE	UG/KG	14	1	3	J	20_DBMW55	3	J	20_DBMW55	11
CARBON TETRACHLORIDE	UG/KG	14	0	11	U	-	12	U	-	11
CHLOROBENZENE	UG/KG	14	0	11	U	-	12	U	-	11
CHLORODIBROMOMETHANE	UG/KG	14	0	11	U	-	12	U	-	11
CHLOROETHANE	UG/KG	14	0	11	U	-	12	U	-	11
CHLOROFORM	UG/KG	14	0	11	U	-	12	U	-	11
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	14	0	11	U	-	12	U	-	11
CIS-1,3-DICHLOROPROPENE	UG/KG	14	0	11	U	-	12	U	-	11
ETHYLBENZENE	UG/KG	14	0	11	U	-	12	U	-	11
METHYLENE CHLORIDE	UG/KG	14	1	6	U	-	6	J	20_DGMW88	11
STYRENE	UG/KG	14	0	11	U	-	12	U	-	11
TETRACHLOROETHENE	UG/KG	14	0	11	U	-	12	U	-	11
TOLUENE	UG/KG	14	2	2	J	20_UGMW36	2	J	20_UGMW36	11
TRANS-1,3-DICHLOROPROPENE	UG/KG	14	0	11	U	-	12	U	-	11
TRICHLOROETHYLENE	UG/KG	14	0	11	U	-	12	U	-	11
VINYL CHLORIDE	UG/KG	14	0	11	U	-	12	U	-	11
XYLENE (TOTAL)	UG/KG	14	0	11	U	-	12	U	-	11
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	12	0	700	U	-	820	U	-	700
1,2-DICHLOROBENZENE	UG/KG	12	0	700	U	-	820	U	-	700
1,3-DICHLOROBENZENE	UG/KG	12	0	700	U	-	820	U	-	700
1,4-DICHLOROBENZENE	UG/KG	12	0	700	U	-	820	U	-	700

Table C - 20c

Site 20: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4,5-TRICHLOROPHENOL	UG/KG	12	0	1700	U	-	2000	U	-	1700
2,4,6-TRICHLOROPHENOL	UG/KG	12	0	700	U	-	820	U	-	700
2,4-DICHLOROPHENOL	UG/KG	12	0	700	U	-	820	U	-	700
2,4-DIMETHYLPHENOL	UG/KG	12	0	700	U	-	820	U	-	700
2,4-DINITROPHENOL	UG/KG	12	0	1700	U	-	2000	U	-	1700
2,4-DINITROTOLUENE	UG/KG	12	0	700	U	-	820	U	-	700
2,6-DINITROTOLUENE	UG/KG	12	0	700	U	-	820	U	-	700
2-CHLORONAPHTHALENE	UG/KG	12	0	700	U	-	820	U	-	700
2-CHLOROPHENOL	UG/KG	12	0	700	U	-	820	U	-	700
2-METHYLNAPHTHALENE	UG/KG	12	0	700	U	-	820	U	-	700
2-METHYLPHENOL	UG/KG	12	0	700	U	-	820	U	-	700
2-NITROANILINE	UG/KG	12	0	1700	U	-	2000	U	-	1700
2-NITROPHENOL	UG/KG	12	0	700	U	-	820	U	-	700
3,3'-DICHLOROBENZIDINE	UG/KG	12	0	700	U	-	820	U	-	700
3-NITROANILINE	UG/KG	12	0	1700	U	-	2000	U	-	1700
4,6-DINITRO-2-METHYLPHENOL	UG/KG	12	0	1700	U	-	2000	U	-	1700
4-BROMOPHENYL PHENYL ETHER	UG/KG	12	0	700	U	-	820	U	-	700
4-CHLORO-3-METHYLPHENOL	UG/KG	12	0	700	U	-	820	U	-	700
4-CHLOROANILINE	UG/KG	12	0	700	U	-	820	U	-	700
4-CHLOROPHENYL PHENYL ETHER	UG/KG	12	0	700	U	-	820	U	-	700
4-METHYLPHENOL	UG/KG	12	0	700	U	-	820	U	-	700
4-NITROANILINE	UG/KG	12	0	1700	U	-	2000	U	-	1700
4-NITROPHENOL	UG/KG	12	0	1700	U	-	2000	U	-	1700
ACENAPHTHENE	UG/KG	12	0	700	U	-	820	U	-	700
ACENAPHTHYLENE	UG/KG	12	0	700	U	-	820	U	-	700
ANTHRACENE	UG/KG	12	0	700	U	-	820	U	-	700
BENZO(A)ANTHRACENE	UG/KG	12	0	700	U	-	820	U	-	700
BENZO(A)PYRENE	UG/KG	12	0	700	U	-	820	U	-	700
BENZO(B)FLUORANTHENE	UG/KG	12	0	700	U	-	820	U	-	700
BENZO(GHI)PERYLENE	UG/KG	12	0	700	U	-	820	U	-	700
BENZO(K)FLUORANTHENE	UG/KG	12	0	700	U	-	820	U	-	700
BENZYL BUTYL PHTHALATE	UG/KG	12	0	700	U	-	820	U	-	700
BIS(2-CHLOROETHOXY) METHANE	UG/KG	12	0	700	U	-	820	U	-	700

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Site 20: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BIS(2-CHLOROETHYL)ETHER	UG/KG	12	0	700	U	-	820	U	-	700
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	12	0	700	U	-	820	U	-	700
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	12	0	700	U	-	820	U	-	700
CARBAZOLE	UG/KG	12	0	700	U	-	820	U	-	700
CHRYSENE	UG/KG	12	0	700	U	-	820	U	-	700
DI-N-BUTYL PHTHALATE	UG/KG	12	0	700	U	-	820	U	-	700
DI-N-OCTYL PHTHALATE	UG/KG	12	0	700	U	-	820	U	-	700
DIBENZO(A,H)ANTHRACENE	UG/KG	12	0	700	U	-	820	U	-	700
DIBENZOFURAN	UG/KG	12	0	700	U	-	820	U	-	700
DIETHYL PHTHALATE	UG/KG	12	0	700	U	-	820	U	-	700
DIMETHYL PHTHALATE	UG/KG	12	0	700	U	-	820	U	-	700
FLUORANTHENE	UG/KG	12	0	700	U	-	820	U	-	700
FLUORENE	UG/KG	12	0	700	U	-	820	U	-	700
HEXACHLOROBENZENE	UG/KG	12	0	700	U	-	820	U	-	700
HEXACHLOROBUTADIENE	UG/KG	12	0	700	U	-	820	U	-	700
HEXACHLOROCYCLOPENTADIENE	UG/KG	12	0	700	U	-	820	U	-	700
HEXACHLOROETHANE	UG/KG	12	0	700	U	-	820	U	-	700
INDENO(1,2,3-CD)PYRENE	UG/KG	12	0	700	U	-	820	U	-	700
ISOPHORONE	UG/KG	12	0	700	U	-	820	U	-	700
N-NITROSODIPHENYLAMINE	UG/KG	12	0	700	U	-	820	U	-	700
N-NITROSODIPROPYLAMINE	UG/KG	12	0	700	U	-	820	U	-	700
NAPHTHALENE	UG/KG	12	0	700	U	-	820	U	-	700
NITROBENZENE	UG/KG	12	0	700	U	-	820	U	-	700
PENTACHLOROPHENOL	UG/KG	12	0	1700	U	-	2000	U	-	1700
PHENANTHRENE	UG/KG	12	0	700	U	-	820	U	-	700
PHENOL	UG/KG	12	0	700	U	-	820	U	-	700
PYRENE	UG/KG	12	0	700	U	-	820	U	-	700
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	1	0	3.5	U	-	3.5	U	-	3.5
4,4'-DDE	UG/KG	1	0	3.5	U	-	3.5	U	-	3.5
4,4'-DDT	UG/KG	1	0	3.5	U	-	3.5	U	-	3.5
ALDRIN	UG/KG	1	0	1.8	U	-	1.8	U	-	1.8
ALPHA-CHLORDANE	UG/KG	1	0	1.8	U	-	1.8	U	-	1.8

Table C - 20c

Site 20: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BHC-ALPHA	UG/KG	1	0	1.8	U	-	1.8	U	-	1.8
BHC-BETA	UG/KG	1	0	1.8	U	-	1.8	U	-	1.8
BHC-DELTA	UG/KG	1	0	1.8	U	-	1.8	U	-	1.8
BHC-GAMMA(LINDANE)	UG/KG	1	0	1.8	U	-	1.8	U	-	1.8
DIELDRIN	UG/KG	1	0	3.5	U	-	3.5	U	-	3.5
ENDOSULFAN I	UG/KG	1	0	1.8	U	-	1.8	U	-	1.8
ENDOSULFAN II	UG/KG	1	0	3.5	U	-	3.5	U	-	3.5
ENDOSULFAN SULFATE	UG/KG	1	0	3.5	U	-	3.5	U	-	3.5
ENDRIN	UG/KG	1	0	3.5	U	-	3.5	U	-	3.5
ENDRIN KETONE	UG/KG	1	0	3.5	U	-	3.5	U	-	3.5
GAMMA-CHLORDANE	UG/KG	1	0	1.8	U	-	1.8	U	-	1.8
HEPTACHLOR	UG/KG	1	0	1.8	U	-	1.8	U	-	1.8
HEPTACHLOR EPOXIDE	UG/KG	1	0	1.8	U	-	1.8	U	-	1.8
METHOXYCHLOR	UG/KG	1	0	18	U	-	18	U	-	18
PCB-1016	UG/KG	1	0	35	U	-	35	U	-	35
PCB-1221	UG/KG	1	0	71	U	-	71	U	-	71
PCB-1232	UG/KG	1	0	35	U	-	35	U	-	35
PCB-1242	UG/KG	1	0	35	U	-	35	U	-	35
PCB-1248	UG/KG	1	0	35	U	-	35	U	-	35
PCB-1254	UG/KG	1	0	35	U	-	35	U	-	35
PCB-1260	UG/KG	1	0	35	U	-	35	U	-	35
TOXAPHENE	UG/KG	1	0	180	U	-	180	U	-	180
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	12	0	13.2	U	-	15.4	U	-	13.2
TFH GASOLINE	MG/KG	12	0	0.05	U	-	0.06	U	-	0.0529
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	12	1	18		20_DBMW55	18		20_DBMW55	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 21c

Site 21: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KGW	3	2	100	U	-	318		21_DGMW90	100
TOTAL ORGANIC CARBON	MG/KG	1	1	100	J	21_UGMW37	100	J	21_UGMW37	100
METALS										
ALUMINUM	MG/KG	12	12	1940		21_DBMW56	22900		21_DBMW56	31
ANTIMONY	MG/KG	12	0	2.5	U	-	2.9	U	-	12.1
ARSENIC	MG/KG	12	12	0.5	b	21_DBMW56	5.2		21_UGMW37	0.7
BARIUM	MG/KG	12	12	25.7	b	21_DBMW56	253		21_DBMW56	0.1
BERYLLIUM	MG/KG	12	10	0.12	U	-	1.4		21_DBMW56	0.5
CADMIUM	MG/KG	12	11	0.28	b	21_DBMW56	8.1		21_DBMW56	1.2
CALCIUM	MG/KG	12	12	929	b	21_DBMW56	14100		21_DBMW56	103
CHROMIUM	MG/KG	12	12	2.6		21_DBMW56	20.2		21_DBMW56	3.7
COBALT	MG/KG	12	10	1.2	U	-	8.5	b	21_DBMW56	5.8
COPPER	MG/KG	12	12	2.2	b	21_DBMW56	13.6		21_DBMW56	0.9
IRON	MG/KG	12	12	3260		21_DBMW56	26600		21_DBMW56	2.3
LEAD	MG/KG	12	12	0.92		21_DBMW56	5.5		21_UGMW37	0.6
MAGNESIUM	MG/KG	12	12	1100		21_DBMW56	13100		21_DBMW56	14.3
MANGANESE	MG/KG	12	12	78.8		21_DBMW56	828		21_UGMW37	0.8
MERCURY	MG/KG	12	3	0.03	U	-	1.5		21_DGMW90	0.1
NICKEL	MG/KG	12	12	2.2	b	21_DBMW56	12.3		21_UGMW37	7.7
POTASSIUM	MG/KG	12	12	690	b	21_DBMW56	5910		21_DBMW56	191
SELENIUM	MG/KG	12	1	0.1	U	-	0.13	b	21_DGMW90	0.5
SILVER	MG/KG	12	9	0.48	U	-	2.4	b	21_DBMW56	2.1
SODIUM	MG/KG	12	12	195	b	21_DBMW56	900	b	21_DBMW56	12.4
THALLIUM	MG/KG	12	6	0.15	U	-	0.43	b	21_DBMW56	0.7
VANADIUM	MG/KG	12	12	9	b	21_DBMW56	64.8		21_DBMW56	1.9
ZINC	MG/KG	12	12	12.5		21_DBMW56	76.1		21_DBMW56	2.2
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	15	0	10	U	-	13	U	-	12
1,1,2,2-TETRACHLOROETHANE	UG/KG	15	0	10	U	-	13	U	-	12
1,1,2-TRICHLOROETHANE	UG/KG	15	0	10	U	-	13	U	-	12
1,1-DICHLOROETHANE	UG/KG	15	0	10	U	-	13	U	-	12
1,1-DICHLOROETHENE	UG/KG	15	0	10	U	-	13	U	-	12

Table C - 21c

Site 21: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2-DICHLOROETHANE	UG/KG	15	0	10	U	-	13	U	-	12
1,2-DICHLOROETHENE (TOTAL)	UG/KG	15	0	10	U	-	13	U	-	12
1,2-DICHLOROPROPANE	UG/KG	15	0	10	U	-	13	U	-	12
2-BUTANONE	UG/KG	15	0	10	U	-	13	U	-	12
2-HEXANONE	UG/KG	15	0	10	U	-	13	U	-	12
4-METHYL-2-PENTANONE	UG/KG	15	0	10	U	-	13	U	-	12
ACETONE	UG/KG	15	1	7	J	21_UGMW37	7	J	21_UGMW37	12
BENZENE	UG/KG	15	0	10	U	-	13	U	-	12
BROMODICHLOROMETHANE	UG/KG	15	0	10	U	-	13	U	-	12
BROMOFORM	UG/KG	15	0	10	U	-	13	U	-	12
BROMOMETHANE (METHYL BROMIDE)	UG/KG	15	0	10	U	-	13	U	-	12
CARBON DISULFIDE	UG/KG	15	0	10	U	-	13	U	-	12
CARBON TETRACHLORIDE	UG/KG	15	0	10	U	-	13	U	-	12
CHLOROBENZENE	UG/KG	15	0	10	U	-	13	U	-	12
CHLORODIBROMOMETHANE	UG/KG	15	0	10	U	-	13	U	-	12
CHLOROETHANE	UG/KG	15	0	10	U	-	13	U	-	12
CHLOROFORM	UG/KG	15	0	10	U	-	13	U	-	12
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	15	0	10	U	-	13	U	-	12
CIS-1,3-DICHLOROPROPENE	UG/KG	15	0	10	U	-	13	U	-	12
ETHYLBENZENE	UG/KG	15	0	10	U	-	13	U	-	12
METHYLENE CHLORIDE	UG/KG	15	0	11	U	-	30	U	-	12
STYRENE	UG/KG	15	0	10	U	-	13	U	-	12
TETRACHLOROETHENE	UG/KG	15	0	10	U	-	13	U	-	12
TOLUENE	UG/KG	15	0	10	U	-	13	U	-	12
TRANS-1,3-DICHLOROPROPENE	UG/KG	15	0	10	U	-	13	U	-	12
TRICHLOROETHYLENE	UG/KG	15	0	10	U	-	13	U	-	12
VINYL CHLORIDE	UG/KG	15	0	10	U	-	13	U	-	12
XYLENE (TOTAL)	UG/KG	15	0	10	U	-	13	U	-	12
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	12	0	670	U	-	830	U	-	780
1,2-DICHLOROBENZENE	UG/KG	12	0	670	U	-	830	U	-	780
1,3-DICHLOROBENZENE	UG/KG	12	0	670	U	-	830	U	-	780
1,4-DICHLOROBENZENE	UG/KG	12	0	670	U	-	830	U	-	780

Table C - 21c

Site 21: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4,5-TRICHLOROPHENOL	UG/KG	12	0	1600	U	-	2000	U	-	1900
2,4,6-TRICHLOROPHENOL	UG/KG	12	0	670	U	-	830	U	-	780
2,4-DICHLOROPHENOL	UG/KG	12	0	670	U	-	830	U	-	780
2,4-DIMETHYLPHENOL	UG/KG	12	0	670	U	-	830	U	-	780
2,4-DINITROPHENOL	UG/KG	12	0	1600	U	-	2000	U	-	1900
2,4-DINITROTOLUENE	UG/KG	12	0	670	U	-	830	U	-	780
2,6-DINITROTOLUENE	UG/KG	12	0	670	U	-	830	U	-	780
2-CHLORONAPHTHALENE	UG/KG	12	0	670	U	-	830	U	-	780
2-CHLOROPHENOL	UG/KG	12	0	670	U	-	830	U	-	780
2-METHYLNAPHTHALENE	UG/KG	12	0	670	U	-	830	U	-	780
2-METHYLPHENOL	UG/KG	12	0	670	U	-	830	U	-	780
2-NITROANILINE	UG/KG	12	0	1600	U	-	2000	U	-	1900
2-NITROPHENOL	UG/KG	12	0	670	U	-	830	U	-	780
3,3'-DICHLOROBENZIDINE	UG/KG	12	0	670	U	-	830	U	-	780
3-NITROANILINE	UG/KG	12	0	1600	U	-	2000	U	-	1900
4,6-DINITRO-2-METHYLPHENOL	UG/KG	12	0	1600	U	-	2000	U	-	1900
4-BROMOPHENYL PHENYL ETHER	UG/KG	12	0	670	U	-	830	U	-	780
4-CHLORO-3-METHYLPHENOL	UG/KG	12	0	670	U	-	830	U	-	780
4-CHLOROANILINE	UG/KG	12	0	670	U	-	830	U	-	780
4-CHLOROPHENYL PHENYL ETHER	UG/KG	12	0	670	U	-	830	U	-	780
4-METHYLPHENOL	UG/KG	12	0	670	U	-	830	U	-	780
4-NITROANILINE	UG/KG	12	0	1600	U	-	2000	U	-	1900
4-NITROPHENOL	UG/KG	12	0	1600	U	-	2000	U	-	1900
ACENAPHTHENE	UG/KG	12	0	670	U	-	830	U	-	780
ACENAPHTHYLENE	UG/KG	12	0	670	U	-	830	U	-	780
ANTHRACENE	UG/KG	12	0	670	U	-	830	U	-	780
BENZO(A)ANTHRACENE	UG/KG	12	0	670	U	-	830	U	-	780
BENZO(A)PYRENE	UG/KG	12	0	670	U	-	830	U	-	780
BENZO(B)FLUORANTHENE	UG/KG	12	0	670	U	-	830	U	-	780
BENZO(GHI)PERYLENE	UG/KG	12	0	670	U	-	830	U	-	780
BENZO(K)FLUORANTHENE	UG/KG	12	0	670	U	-	830	U	-	780
BENZYL BUTYL PHTHALATE	UG/KG	12	0	670	U	-	830	U	-	780
BIS(2-CHLOROETHOXY) METHANE	UG/KG	12	0	670	U	-	830	U	-	780

Table C - 21c

Site 21: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BIS(2-CHLOROETHYL)ETHER	UG/KG	12	0	670	U	-	830	U	-	780
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	12	0	670	U	-	830	U	-	780
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	12	0	670	U	-	830	U	-	780
CARBAZOLE	UG/KG	12	0	670	U	-	830	U	-	780
CHRYSENE	UG/KG	12	0	670	U	-	830	U	-	780
DI-N-BUTYL PHTHALATE	UG/KG	12	0	670	U	-	830	U	-	780
DI-N-OCTYL PHTHALATE	UG/KG	12	0	670	U	-	830	U	-	780
DIBENZO(A,H)ANTHRACENE	UG/KG	12	0	670	U	-	830	U	-	780
DIBENZOFURAN	UG/KG	12	0	670	U	-	830	U	-	780
DIETHYL PHTHALATE	UG/KG	12	0	670	U	-	830	U	-	780
DIMETHYL PHTHALATE	UG/KG	12	0	670	U	-	830	U	-	780
FLUORANTHENE	UG/KG	12	0	670	U	-	830	U	-	780
FLUORENE	UG/KG	12	0	670	U	-	830	U	-	780
HEXACHLOROBENZENE	UG/KG	12	0	670	U	-	830	U	-	780
HEXACHLOROBUTADIENE	UG/KG	12	0	670	U	-	830	U	-	780
HEXACHLOROCYCLOPENTADIENE	UG/KG	12	0	670	U	-	830	U	-	780
HEXACHLOROETHANE	UG/KG	12	0	670	U	-	830	U	-	780
INDENO(1,2,3-CD)PYRENE	UG/KG	12	0	670	U	-	830	U	-	780
ISOPHORONE	UG/KG	12	0	670	U	-	830	U	-	780
N-NITROSODIPHENYLAMINE	UG/KG	12	0	670	U	-	830	U	-	780
N-NITROSODIPROPYLAMINE	UG/KG	12	0	670	U	-	830	U	-	780
NAPHTHALENE	UG/KG	12	0	670	U	-	830	U	-	780
NITROBENZENE	UG/KG	12	0	670	U	-	830	U	-	780
PENTACHLOROPHENOL	UG/KG	12	0	1600	U	-	2000	U	-	1900
PHENANTHRENE	UG/KG	12	0	670	U	-	830	U	-	780
PHENOL	UG/KG	12	0	670	U	-	830	U	-	780
PYRENE	UG/KG	12	0	670	U	-	830	U	-	780
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	12	0	3.33	U	-	4.14	U	-	3.84
4,4'-DDE	UG/KG	12	0	3.33	U	-	4.14	U	-	3.84
4,4'-DDT	UG/KG	12	0	3.33	U	-	4.14	U	-	3.84
ALDRIN	UG/KG	12	0	1.71	U	-	2.13	U	-	1.98
ALPHA-CHLORDANE	UG/KG	12	0	1.71	U	-	2.13	U	-	1.98

Table C - 21c

Site 21: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BHC-ALPHA	UG/KG	12	0	1.71	U	-	2.13	U	-	1.98
BHC-BETA	UG/KG	12	0	1.71	U	-	2.13	U	-	1.98
BHC-DELTA	UG/KG	12	0	1.71	U	-	2.13	U	-	1.98
BHC-GAMMA(LINDANE)	UG/KG	12	0	1.71	U	-	2.13	U	-	1.98
DIELDRIN	UG/KG	12	0	3.33	U	-	4.14	U	-	3.84
ENDOSULFAN I	UG/KG	12	0	1.71	U	-	2.13	U	-	1.98
ENDOSULFAN II	UG/KG	12	0	3.33	U	-	4.14	U	-	3.84
ENDOSULFAN SULFATE	UG/KG	12	0	3.33	U	-	4.14	U	-	3.84
ENDRIN	UG/KG	12	0	3.33	U	-	4.14	U	-	3.84
ENDRIN ALDEHYDE	UG/KG	11	0	3.33	U	-	4.14	U	-	3.4
ENDRIN KETONE	UG/KG	12	0	3.33	U	-	4.14	U	-	3.84
GAMMA-CHLORDANE	UG/KG	12	0	1.71	U	-	2.13	U	-	1.98
HEPTACHLOR	UG/KG	12	0	1.71	U	-	2.13	U	-	1.98
HEPTACHLOR EPOXIDE	UG/KG	12	0	1.71	U	-	2.13	U	-	1.98
METHOXYCHLOR	UG/KG	12	2	17.1	U	-	25.4		21_DBMW56	19.8
PCB-1016	UG/KG	12	0	33.3	U	-	41.4	U	-	38.4
PCB-1221	UG/KG	12	0	67.5	U	-	84	U	-	78
PCB-1232	UG/KG	12	0	33.3	U	-	41.4	U	-	38.4
PCB-1242	UG/KG	12	0	33.3	U	-	41.4	U	-	38.4
PCB-1248	UG/KG	12	0	33.3	U	-	41.4	U	-	38.4
PCB-1254	UG/KG	12	0	33.3	U	-	41.4	U	-	38.4
PCB-1260	UG/KG	12	0	33.3	U	-	41.4	U	-	38.4
TOXAPHENE	UG/KG	12	0	171	U	-	213	U	-	198
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	12	0	12.4	U	-	15.7	U	-	14.8
TFH GASOLINE	MG/KG	12	1	0.05	U	-	0.11		21_DBMW56	0.059
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	12	0	20	U	-	20	U	-	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

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Site 22: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
GENERAL CHEMISTRY										
TOTAL ORGANIC CARBON	MG/KG	1	0	100	U	-	100	U	-	100
METALS										
ALUMINUM	MG/KG	13	13	3120		22_25B219	16800		22_25B219	7.6
ANTIMONY	MG/KG	13	1	2.3	U	-	4	b	22_25B219	2.5
ARSENIC	MG/KG	13	8	1.1	U	-	3.3		22_DBMW47	0.7
BARIUM	MG/KG	13	13	43		22_25B219	203		22_DBMW47	0.3
BERYLLIUM	MG/KG	13	8	0.17	b	22_DBMW47	0.46	b	22_DBMW47	0.8
CADMIUM	MG/KG	13	12	0.26	U	-	1.9		22_DBMW47	1
CALCIUM	MG/KG	13	13	2180		22_25B219	12700		22_25B219	39.5
CHROMIUM	MG/KG	13	13	6		22_DBMW47	16.3		22_25B219	3.3
COBALT	MG/KG	13	13	2	b	22_25B219	8.7	b	22_25B219	7.8
COPPER	MG/KG	13	13	3.4	b	22_25B219	11.4		22_DBMW47	1.1
IRON	MG/KG	13	13	4330		22_25B219	21200		22_25B219	8.3
LEAD	MG/KG	13	13	0.93		22_25B219	5.1		22_DBMW47	0.5
MAGNESIUM	MG/KG	13	13	1380		22_25B219	10100		22_25B219	11.4
MANGANESE	MG/KG	13	13	64.8		22_DBMW47	315		22_25B219	0.8
MERCURY	MG/KG	13	1	0.03	U	-	0.39		22_25B219	0.1
NICKEL	MG/KG	13	13	4.1	b	22_DBMW47	13.4		22_25B219	7.8
POTASSIUM	MG/KG	13	13	701	b	22_25B219	5190		22_DBMW47	148
SELENIUM	MG/KG	13	0	0.08	U	-	0.22	U	-	0.09
SILVER	MG/KG	13	0	0.3	U	-	0.5	U	-	0.32
SODIUM	MG/KG	13	13	227	b	22_DBMW47	1200		22_DBMW47	18.6
THALLIUM	MG/KG	13	8	0.16	U	-	0.4	b	22_25B219	0.8
VANADIUM	MG/KG	13	13	9.7	b	22_25B219	52.8		22_25B219	1.3
ZINC	MG/KG	13	13	12.6		22_25B219	63.5		22_25B219	1.6
VOLATILE ORGANIC COMPOUNDS										
1,1,1-TRICHLOROETHANE	UG/KG	14	0	11	U	-	12	U	-	11
1,1,2,2-TETRACHLOROETHANE	UG/KG	14	0	11	U	-	12	U	-	11
1,1,2-TRICHLOROETHANE	UG/KG	14	0	11	U	-	12	U	-	11
1,1-DICHLOROETHANE	UG/KG	14	0	11	U	-	12	U	-	11
1,1-DICHLOROETHENE	UG/KG	14	0	11	U	-	12	U	-	11
1,2-DICHLOROETHANE	UG/KG	14	0	11	U	-	12	U	-	11

Table C - 22c

Site 22: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
1,2-DICHLOROETHENE (TOTAL)	UG/KG	14	0	11	U	-	12	U	-	11
1,2-DICHLOROPROPANE	UG/KG	14	0	11	U	-	12	U	-	11
2-BUTANONE	UG/KG	14	5	2	J	22_25B219	3	J	22_25B219	11
2-HEXANONE	UG/KG	14	0	11	U	-	12	U	-	11
4-METHYL-2-PENTANONE	UG/KG	14	0	11	U	-	12	U	-	11
ACETONE	UG/KG	14	6	11	U	-	73		22_DBMW47	11
BENZENE	UG/KG	14	0	11	U	-	12	U	-	11
BROMODICHLOROMETHANE	UG/KG	14	0	11	U	-	12	U	-	11
BROMOFORM	UG/KG	14	0	11	U	-	12	U	-	11
BROMOMETHANE (METHYL BROMIDE)	UG/KG	14	0	11	U	-	12	U	-	11
CARBON DISULFIDE	UG/KG	14	0	11	U	-	12	U	-	11
CARBON TETRACHLORIDE	UG/KG	14	0	11	U	-	12	U	-	11
CHLOROBENZENE	UG/KG	14	0	11	U	-	12	U	-	11
CHLORODIBROMOMETHANE	UG/KG	14	0	11	U	-	12	U	-	11
CHLOROETHANE	UG/KG	14	0	11	U	-	12	U	-	11
CHLOROFORM	UG/KG	14	0	11	U	-	12	U	-	11
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	14	0	11	U	-	12	U	-	11
CIS-1,3-DICHLOROPROPENE	UG/KG	14	0	11	U	-	12	U	-	11
ETHYLBENZENE	UG/KG	14	0	11	U	-	12	U	-	11
METHYLENE CHLORIDE	UG/KG	14	3	8	J	22_DBMW47	39	B	22_25B219	11
STYRENE	UG/KG	14	0	11	U	-	12	U	-	11
TETRACHLOROETHENE	UG/KG	14	0	11	U	-	12	U	-	11
TOLUENE	UG/KG	14	4	3	J	22_DBMW47	5	J	22_DBMW47	11
TRANS-1,3-DICHLOROPROPENE	UG/KG	14	0	11	U	-	12	U	-	11
TRICHLOROETHYLENE	UG/KG	14	1	6	J	22_DBMW47	6	J	22_DBMW47	11
VINYL CHLORIDE	UG/KG	14	0	11	U	-	12	U	-	11
XYLENE (TOTAL)	UG/KG	14	0	11	U	-	12	U	-	11
SEMIVOLATILE ORGANIC COMPOUNDS										
1,2,4-TRICHLOROBENZENE	UG/KG	13	0	700	U	-	800	U	-	710
1,2-DICHLOROBENZENE	UG/KG	13	0	700	U	-	800	U	-	730
1,3-DICHLOROBENZENE	UG/KG	13	0	700	U	-	800	U	-	710
1,4-DICHLOROBENZENE	UG/KG	13	0	700	U	-	800	U	-	710
2,4,5-TRICHLOROPHENOL	UG/KG	13	0	1700	U	-	1900	U	-	1800

Table C - 22c

Site 22: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
2,4,6-TRICHLOROPHENOL	UG/KG	13	0	700	U	-	800	U	-	730
2,4-DICHLOROPHENOL	UG/KG	13	0	700	U	-	800	U	-	710
2,4-DIMETHYLPHENOL	UG/KG	13	0 -	700	U	-	800	U	-	710
2,4-DINITROPHENOL	UG/KG	13	0	1700	U	-	1900	U	-	1700
2,4-DINITROTOLUENE	UG/KG	13	0	700	U	-	800	U	-	710
2,6-DINITROTOLUENE	UG/KG	13	0	700	U	-	800	U	-	730
2-CHLORONAPHTHALENE	UG/KG	13	0	700	U	-	800	U	-	730
2-CHLOROPHENOL	UG/KG	13	0	700	U	-	800	U	-	730
2-METHYLNAPHTHALENE	UG/KG	13	0	700	U	-	800	U	-	730
2-METHYLPHENOL	UG/KG	13	0	700	U	-	800	U	-	730
2-NITROANILINE	UG/KG	13	0	1700	U	-	1900	U	-	1800
2-NITROPHENOL	UG/KG	13	0	700	U	-	800	U	-	730
3,3'-DICHLOROBENZIDINE	UG/KG	13	0	700	U	-	800	U	-	730
3-NITROANILINE	UG/KG	13	0	1700	U	-	1900	U	-	1800
4,6-DINITRO-2-METHYLPHENOL	UG/KG	13	0	1700	U	-	1900	U	-	1700
4-BROMOPHENYL PHENYL ETHER	UG/KG	13	0	700	U	-	800	U	-	710
4-CHLORO-3-METHYLPHENOL	UG/KG	13	0	700	U	-	800	U	-	730
4-CHLOROANILINE	UG/KG	13	0	700	U	-	800	U	-	710
4-CHLOROPHENYL PHENYL ETHER	UG/KG	13	0	700	U	-	800	U	-	730
4-METHYLPHENOL	UG/KG	13	0	700	U	-	800	U	-	710
4-NITROANILINE	UG/KG	13	0	1700	U	-	1900	U	-	1800
4-NITROPHENOL	UG/KG	13	0	1700	U	-	1900	U	-	1700
ACENAPHTHENE	UG/KG	13	0	700	U	-	800	U	-	730
ACENAPHTHYLENE	UG/KG	13	0	700	U	-	800	U	-	710
ANTHRACENE	UG/KG	13	0	700	U	-	800	U	-	710
BENZO(A)ANTHRACENE	UG/KG	13	0	700	U	-	800	U	-	710
BENZO(A)PYRENE	UG/KG	13	0	700	U	-	800	U	-	710
BENZO(B)FLUORANTHENE	UG/KG	13	0	700	U	-	800	U	-	710
BENZO(GHI)PERYLENE	UG/KG	13	0	700	U	-	800	U	-	710
BENZO(K)FLUORANTHENE	UG/KG	13	0	700	U	-	800	U	-	710
BENZYL BUTYL PHTHALATE	UG/KG	13	1	700	U	-	710	J	22_DBMW47	730
BIS(2-CHLOROETHOXY) METHANE	UG/KG	13	0	700	U	-	800	U	-	710
BIS(2-CHLOROETHYL)ETHER	UG/KG	13	0	700	U	-	800	U	-	710

Table C - 22c

Site 22: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	13	0	700	U	-	800	U	-	710
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	13	2	700	U	-	1800		22_DBMW47	710
CARBAZOLE	UG/KG	13	0	700	U	-	800	U	-	730
CHRYSENE	UG/KG	13	0	700	U	-	800	U	-	710
DI-N-BUTYL PHTHALATE	UG/KG	13	0	700	U	-	800	U	-	730
DI-N-OCTYL PHTHALATE	UG/KG	13	0	700	U	-	800	U	-	710
DIBENZO(A,H)ANTHRACENE	UG/KG	13	0	700	U	-	800	U	-	710
DIBENZOFURAN	UG/KG	13	0	700	U	-	800	U	-	710
DIETHYL PHTHALATE	UG/KG	13	0	700	U	-	800	U	-	730
DIMETHYL PHTHALATE	UG/KG	13	0	700	U	-	800	U	-	710
FLUORANTHENE	UG/KG	13	0	700	U	-	800	U	-	710
FLUORENE	UG/KG	13	0	700	U	-	800	U	-	730
HEXACHLOROBENZENE	UG/KG	13	0	700	U	-	800	U	-	710
HEXACHLOROBUTADIENE	UG/KG	13	0	700	U	-	800	U	-	730
HEXACHLOROCYCLOPENTADIENE	UG/KG	13	0	700	U	-	800	U	-	730
HEXACHLOROETHANE	UG/KG	13	0	700	U	-	800	U	-	730
INDENO(1,2,3-CD)PYRENE	UG/KG	13	0	700	U	-	800	U	-	710
ISOPHORONE	UG/KG	13	0	700	U	-	800	U	-	730
N-NITROSODIPHENYLAMINE	UG/KG	13	0	700	U	-	800	U	-	730
N-NITROSODIPROPYLAMINE	UG/KG	13	0	700	U	-	800	U	-	730
NAPHTHALENE	UG/KG	13	0	700	U	-	800	U	-	730
NITROBENZENE	UG/KG	13	0	700	U	-	800	U	-	730
PENTACHLOROPHENOL	UG/KG	13	0	1700	U	-	1900	U	-	1800
PHENANTHRENE	UG/KG	13	0	700	U	-	800	U	-	730
PHENOL	UG/KG	13	0	700	U	-	800	U	-	710
PYRENE	UG/KG	13	0	700	U	-	800	U	-	710
PESTICIDES AND PCBs										
4,4'-DDD	UG/KG	13	1	3.5	U	-	5.71		22_DBMW47	3.67
4,4'-DDE	UG/KG	13	1	3.5	U	-	7.46		22_DBMW47	3.67
4,4'-DDT	UG/KG	13	1	3.5	U	-	4.37		22_DBMW47	3.67
ALDRIN	UG/KG	13	0	1.8	U	-	2.05	U	-	1.89
ALPHA-CHLORDANE	UG/KG	13	0	1.8	U	-	2.05	U	-	1.89
BHC-ALPHA	UG/KG	13	0	1.8	U	-	2.05	U	-	1.89

Table C - 22c

Site 22: Summary of Analytes and Minimum / Maximum Concentrations in Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Minimum Detected Conc.(a)	DVF(b)	Station with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Station with Maximum Detected Conc.	Detection Limit
BHC-BETA	UG/KG	13	0	1.8	U	-	2.05	U	-	1.89
BHC-DELTA	UG/KG	13	0	1.8	U	-	2.05	U	-	1.89
BHC-GAMMA(LINDANE)	UG/KG	13	0	1.8	U	-	2.05	U	-	1.89
DIELDRIN	UG/KG	13	0	3.5	U	-	3.98	U	-	3.67
ENDOSULFAN I	UG/KG	13	0	1.8	U	-	2.05	U	-	1.89
ENDOSULFAN II	UG/KG	13	0	3.5	U	-	3.98	U	-	3.67
ENDOSULFAN SULFATE	UG/KG	13	0	3.5	U	-	3.98	U	-	3.67
ENDRIN	UG/KG	13	0	3.5	U	-	3.98	U	-	3.67
ENDRIN ALDEHYDE	UG/KG	5	0	3.5	U	-	3.84	U	-	3.8
ENDRIN KETONE	UG/KG	13	0	3.5	U	-	3.98	U	-	3.67
GAMMA-CHLORDANE	UG/KG	13	0	1.8	U	-	2.05	U	-	1.89
HEPTACHLOR	UG/KG	13	0	1.8	U	-	2.05	U	-	1.89
HEPTACHLOR EPOXIDE	UG/KG	13	0	1.8	U	-	2.05	U	-	1.89
METHOXYCHLOR	UG/KG	13	0	18	U	-	20.5	U	-	18.9
PCB-1016	UG/KG	13	0	35	U	-	39.8	U	-	36.7
PCB-1221	UG/KG	13	0	71.1	U	-	80.8	U	-	74.6
PCB-1232	UG/KG	13	0	35	U	-	39.8	U	-	36.7
PCB-1242	UG/KG	13	0	35	U	-	39.8	U	-	36.7
PCB-1248	UG/KG	13	0	35	U	-	39.8	U	-	36.7
PCB-1254	UG/KG	13	0	35	U	-	39.8	U	-	36.7
PCB-1260	UG/KG	13	0	35	U	-	39.8	U	-	36.7
TOXAPHENE	UG/KG	13	0	180	U	-	205	U	-	189
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)										
TFH DIESEL	MG/KG	13	0	13.1	U	-	15.1	U	-	13.9
TFH GASOLINE	MG/KG	13	4	0.05	U	-	0.39		22_DBMW47	0.0557
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)										
TRPH	MG/KG	13	0	20	U	-	20	U	-	20

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C - 1d

Site 1: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
GENERAL CHEMISTRY													
ALKALINITY AS CACO3	MG/L	2	2	NA	234		01_DGMW58	235		01_DGMW57	1	NA	NA
BICARBONATE	MG/L	2	2	NA	285		01_DGMW58	287		01_DGMW57	1	NA	NA
CARBONATE	MG/L	2	2	NA	0		01_DGMW58	0		01_DGMW58	0	NA	NA
CHLORIDE	MG/L	2	2	0	61.2		01_DGMW58	91.6		01_DGMW57	0.26	250	3
CYANIDE	UG/L	2	0	NA	3	U	-	3	U	-	3	NA	NA
NITRATE/NITRITE-N	MG/L	2	2	0	1.66		01_DGMW57	5.77		01_DGMW58	0.05	10	1
SULFATE	MG/L	2	2	1	21.1		01_DGMW58	250		01_DGMW57	0.42	250	3
TOTAL DISSOLVED SOLIDS	MG/L	2	2	1	429		01_DGMW58	808		01_DGMW57	3	500	3
METALS													
ALUMINUM	UG/L	2	0	0	31	U	-	31	U	-	31	50	3
ANTIMONY	UG/L	2	0	NA	12.1	U	-	12.1	U	-	12.1	NA	NA
ARSENIC	UG/L	2	2	0	0.7	b	01_DGMW57	1.4	b	01_DGMW58	0.7	50	2
BARIUM	UG/L	2	2	0	16.8	b	01_DGMW58	18.2	b	01_DGMW57	0.1	2000	2
BERYLLIUM	UG/L	2	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
CADMIUM	UG/L	2	1	0	1.2	U	-	1.9	b	01_DGMW58	1.2	5	2
CALCIUM	UG/L	2	2	NA	87000		01_DGMW58	94600		01_DGMW57	103	NA	NA
CHROMIUM	UG/L	2	0	0	3.7	U	-	3.7	U	-	3.7	50	1
COBALT	UG/L	2	0	NA	5.8	U	-	5.8	U	-	5.8	NA	NA
COPPER	UG/L	2	2	0	0.96	b	01_DGMW58	1.4	b	01_DGMW57	0.9	1300	2
IRON	UG/L	2	0	0	2.3	U	-	17.2	U	-	2.3	300	3
LEAD	UG/L	2	0	0	0.6	U	-	0.6	U	-	0.6	15	2
MAGNESIUM	UG/L	2	2	NA	13200		01_DGMW58	37800		01_DGMW57	14.3	NA	NA
MANGANESE	UG/L	2	2	1	45.4		01_DGMW58	74.7		01_DGMW57	0.8	50	3
MERCURY	UG/L	2	0	0	0.1	U	-	0.1	U	-	0.1	2	2
NICKEL	UG/L	2	2	NA	12.6	b	01_DGMW57	110		01_DGMW58	7.7	NA	NA
POTASSIUM	UG/L	2	2	NA	2040	b	01_DGMW58	4860	b	01_DGMW57	191	NA	NA
SELENIUM	UG/L	2	1	0	2.7	U	-	7.7		01_DGMW57	0.5	10	1
SILVER	UG/L	2	1	0	2.1	U	-	2.3	b	01_DGMW58	2.1	50	1
SODIUM	UG/L	2	2	NA	36400		01_DGMW58	99600		01_DGMW57	12.4	NA	NA
THALLIUM	UG/L	2	0	NA	0.7	U	-	0.7	U	-	0.7	NA	NA
VANADIUM	UG/L	2	2	NA	4.3	b	01_DGMW57	9.1	b	01_DGMW58	1.9	NA	NA
ZINC	UG/L	2	0	0	2.4	U	-	3.8	U	-	3.8	5000	2
VOLATILE ORGANIC COMPOUNDS													
1,1,1-TRICHLOROETHANE	UG/L	2	0	0	1	U	-	1	U	-	1	200	2
1,1,2,2-TETRACHLOROETHANE	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
1,1,2-TRICHLOROETHANE	UG/L	2	0	0	1	U	-	1	U	-	1	32	1
1,1-DICHLOROETHANE	UG/L	2	0	0	1	U	-	1	U	-	1	5	1

Table C - 12d

Site 12: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
2,4,5-TP (SILVEX)	UG/L	2	1	NA	0.25	U	-	2.67		12_UGMW31	0.2	NA	NA
2,4-DB	UG/L	2	1	NA	0.5	U	-	2.88	J	12_UGMW31	0.5	NA	NA
DALAPON	UG/L	2	1	NA	0.5	U	-	2.46	J	12_UGMW31	0.5	NA	NA
DICAMBA	UG/L	2	1	NA	0.5	U	-	4.39		12_UGMW31	0.5	NA	NA
DICHLOROPROP	UG/L	2	1	NA	0.5	U	-	6.41		12_UGMW31	0.5	NA	NA
DINOSEB	UG/L	2	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA
MCPA	UG/L	2	1	NA	250	U	-	3490		12_UGMW31	250	NA	NA
MCPP	UG/L	2	1	NA	250	U	-	3530		12_UGMW31	250	NA	NA
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	2	0	NA	250	U	-	250	U	-	250	NA	NA
TFH GASOLINE	UG/L	2	0	NA	50	U	-	50	U	-	50	NA	NA
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
TRPH	MG/L	2	0	NA	0.44	U	-	0.44	U	-	0.44	NA	NA

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.
(c) The given concentration represents the California MCL, the EPA primary MCL, the EPA secondary MCL, or the California DTSC Action Level, whichever is most stringent.

(d) Regulatory Codes are:
1 = California MCL
2 = EPA primary MCL
3 = EPA secondary MCL
4 = California DTSC Action Level

Table C - 1d

Site 1: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
2,4-DIMETHYLPHENOL	UG/L	2	0	0	10	U	-	10	U	-	10	400	4
2,4-DINITROPHENOL	UG/L	2	0	NA	25	U	-	25	U	-	25	NA	NA
2,4-DINITROTOLUENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
2,6-DINITROTOLUENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLORONAPHTHALENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLOROPHENOL	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLNAPHTHALENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLPHENOL	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
2-NITROANILINE	UG/L	2	0	NA	25	U	-	25	U	-	25	NA	NA
2-NITROPHENOL	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
3,3'-DICHLOROBENZIDINE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
3-NITROANILINE	UG/L	2	0	NA	25	U	-	25	U	-	25	NA	NA
4,6-DINITRO-2-METHYLPHENOL	UG/L	2	0	NA	25	U	-	25	U	-	25	NA	NA
4-BROMOPHENYL PHENYL ETHER	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLORO-3-METHYLPHENOL	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROANILINE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROPHENYL PHENYL ETHER	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
4-METHYLPHENOL	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
4-NITROANILINE	UG/L	2	0	NA	25	U	-	25	U	-	25	NA	NA
4-NITROPHENOL	UG/L	2	0	NA	25	U	-	25	U	-	25	NA	NA
ACENAPHTHENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
ACENAPHTHYLENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
ANTHRACENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)ANTHRACENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHOXY) METHANE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
CARBAZOLE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
CHRYSENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-BUTYL PHTHALATE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 1d

Site 1: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
DIBENZOFURAN	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	2	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	2	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	2	0	0	10	U	-	10	U	-	10	5	4
PYRENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
PESTICIDES AND PCBs													
4,4'-DDD	UG/L	2	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDE	UG/L	2	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDT	UG/L	2	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ALDRIN	UG/L	2	0	0	0.05	U	-	0.05	U	-	0.1	0.05	4
ALPHA-CHLORDANE	UG/L	2	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-ALPHA	UG/L	2	0	0	0.05	U	-	0.05	U	-	0.1	0.7	4
BHC-BETA	UG/L	2	0	0	0.05	U	-	0.05	U	-	0.1	0.3	4
BHC-DELTA	UG/L	2	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-GAMMA(LINDANE)	UG/L	2	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
DIELDRIN	UG/L	2	0	0	0.1	U	-	0.1	U	-	0.1	0.05	4
ENDOSULFAN I	UG/L	2	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
ENDOSULFAN II	UG/L	2	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDOSULFAN SULFATE	UG/L	2	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN	UG/L	2	0	0	0.1	U	-	0.1	U	-	0.1	0.2	2
ENDRIN ALDEHYDE	UG/L	2	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN KETONE	UG/L	2	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
GAMMA-CHLORDANE	UG/L	2	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
HEPTACHLOR	UG/L	2	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1

Table C - 1d

Site 1: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
HEPTACHLOR EPOXIDE	UG/L	2	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
METHOXYCHLOR	UG/L	2	0	0	0.5	U	-	0.5	U	-	0.5	40	2
PCB-1016	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1221	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
PCB-1232	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1242	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1248	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1254	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1260	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
TOXAPHENE	UG/L	2	0	0	5	U	-	5	U	-	5	3	2
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	2	0	NA	250	U	-	250	U	-	250	NA	NA
TFH GASOLINE	UG/L	2	0	NA	50	U	-	50	U	-	50	NA	NA
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
TRPH	MG/L	2	0	NA	0.44	U	-	0.44	U	-	0.44	NA	NA
GROSS ALPHA AND BETA													
GROSS ALPHA	PCI/L	1	1	0	5.8		01_DGMW57	5.8		01_DGMW57	0.58	15	2
GROSS BETA	PCI/L	1	1	0	12.2		01_DGMW57	12.2		01_DGMW57	0.34	50	2

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.
(c) The given concentration represents the California MCL, the EPA primary MCL, the EPA secondary MCL, or the California DTSC Action Level, whichever is most stringent.

(d) Regulatory Codes are:
1 = California MCL
2 = EPA primary MCL
3 = EPA secondary MCL
4 = California DTSC Action Level

Table C - 1d

Site 1: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
DIBENZOFURAN	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	2	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	2	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	2	0	0	10	U	-	10	U	-	10	5	4
PYRENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
PESTICIDES AND PCBs													
4,4'-DDD	UG/L	2	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDE	UG/L	2	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDT	UG/L	2	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ALDRIN	UG/L	2	0	0	0.05	U	-	0.05	U	-	0.1	0.05	4
ALPHA-CHLORDANE	UG/L	2	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-ALPHA	UG/L	2	0	0	0.05	U	-	0.05	U	-	0.1	0.7	4
BHC-BETA	UG/L	2	0	0	0.05	U	-	0.05	U	-	0.1	0.3	4
BHC-DELTA	UG/L	2	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-GAMMA(LINDANE)	UG/L	2	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
DIELDRIN	UG/L	2	0	0	0.1	U	-	0.1	U	-	0.1	0.05	4
ENDOSULFAN I	UG/L	2	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
ENDOSULFAN II	UG/L	2	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDOSULFAN SULFATE	UG/L	2	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN	UG/L	2	0	0	0.1	U	-	0.1	U	-	0.1	0.2	2
ENDRIN ALDEHYDE	UG/L	2	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN KETONE	UG/L	2	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
GAMMA-CHLORDANE	UG/L	2	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
HEPTACHLOR	UG/L	2	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1

Table C - 2d

Site 2: Summary of Analytes and Minimum / Maximum Concentrations *in Groundwater*

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
GENERAL CHEMISTRY													
ALKALINITY AS CACO3	MG/L	4	4	NA	180		02_UGMW25	430		02_DGMW60	1	NA	NA
BICARBONATE	MG/L	4	4	NA	220		02_UGMW25	525		02_DGMW60	1	NA	NA
CARBONATE	MG/L	4	4	NA	0		02_DGMW61	0		02_DGMW61	0	NA	NA
CHLORIDE	MG/L	4	4	0	25.3		02_DGMW61	119		02_DGMW59	0.26	250	3
CYANIDE	UG/L	4	0	NA	3	U	-	3	U	-	3	NA	NA
NITRATE/NITRITE-N	MG/L	4	3	0	0.05	U	-	6.29		02_UGMW25	0.5	10	1
SULFATE	MG/L	4	4	0	163		02_DGMW60	215		02_DGMW59	0.42	250	3
TOTAL DISSOLVED SOLIDS	MG/L	4	4	4	579		02_DGMW61	839		02_DGMW59	3	500	3
METALS													
ALUMINUM	UG/L	4	1	1	31	U	-	672		02_DGMW59	31	50	3
ANTIMONY	UG/L	4	0	NA	12.1	U	-	12.1	U	-	12.1	NA	NA
ARSENIC	UG/L	4	3	0	0.7	U	-	4.7	b	02_UGMW25	0.7	50	2
BARIUM	UG/L	4	4	0	34.4	b	02_UGMW25	59.8	b	02_DGMW60	0.1	2000	2
BERYLLIUM	UG/L	4	1	NA	0.5	U	-	0.64	b	02_UGMW25	0.5	NA	NA
CADMIUM	UG/L	4	0	0	1.2	U	-	1.2	U	-	1.2	5	2
CALCIUM	UG/L	4	4	NA	72400		02_DGMW60	128000		02_DGMW59	103	NA	NA
CHROMIUM	UG/L	4	0	0	3.7	U	-	3.7	U	-	3.7	50	1
COBALT	UG/L	4	0	NA	5.8	U	-	5.8	U	-	5.8	NA	NA
COPPER	UG/L	4	3	0	0.9	U	-	4.1	b	02_DGMW60	0.9	1300	2
IRON	UG/L	4	3	1	4.1	U	-	895		02_DGMW59	2.3	300	3
LEAD	UG/L	4	0	0	0.6	U	-	0.6	U	-	0.6	15	2
MAGNESIUM	UG/L	4	4	NA	20600		02_UGMW25	64000		02_DGMW60	14.3	NA	NA
MANGANESE	UG/L	4	4	3	24.1		02_DGMW60	239		02_DGMW59	0.8	50	3
MERCURY	UG/L	4	0	0	0.1	U	-	0.1	U	-	0.1	2	2
NICKEL	UG/L	4	1	NA	7.7	U	-	10.2	J	02_DGMW59	7.7	NA	NA
POTASSIUM	UG/L	4	4	NA	1280	b	02_UGMW25	7740		02_DGMW60	191	NA	NA
SELENIUM	UG/L	4	1	0	1.5	U	-	8	b	02_DGMW60	0.5	10	1
SILVER	UG/L	4	1	0	2.1	U	-	2.2	b	02_DGMW59	2.1	50	1
SODIUM	UG/L	4	4	NA	57900		02_DGMW61	129000		02_DGMW60	12.4	NA	NA
THALLIUM	UG/L	4	0	NA	0.7	U	-	0.7	U	-	0.7	NA	NA
VANADIUM	UG/L	4	4	NA	4.8	b	02_DGMW61	15	b	02_UGMW25	1.9	NA	NA
ZINC	UG/L	4	3	0	2.2	U	-	34.4		02_DGMW59	2.2	5000	2

Table C - 2d

Site 2: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
VOLATILE ORGANIC COMPOUNDS													
1,1,1-TRICHLOROETHANE	UG/L	4	0	0	1	U	-	1	U	-	1	200	2
1,1,2,2-TETRACHLOROETHANE	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
1,1,2-TRICHLOROETHANE	UG/L	4	0	0	1	U	-	1	U	-	1	32	1
1,1-DICHLOROETHANE	UG/L	4	0	0	1	U	-	1	U	-	1	5	1
1,1-DICHLOROETHENE	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROETHANE	UG/L	4	1	1	0.9	J	02_DGMW60	0.9	J	02_DGMW60	1	0.5	1
1,2-DICHLOROETHENE (TOTAL)	UG/L	4	1	NA	1	U	-	8		02_DGMW60	1	NA	NA
1,2-DICHLOROPROPANE	UG/L	4	0	0	1	U	-	1	U	-	1	5	2
2-BUTANONE	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA
2-HEXANONE	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA
4-METHYL-2-PENTANONE	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA
ACETONE	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA
BENZENE	UG/L	4	0	0	1	U	-	1	U	-	1	1	1
BROMODICHLOROMETHANE	UG/L	4	0	0	1	U	-	1	U	-	1	100	2
BROMOFORM	UG/L	4	0	0	1	U	-	1	U	-	1	100	2
BROMOMETHANE (METHYL BROMIDE)	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA
CARBON DISULFIDE	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
CARBON TETRACHLORIDE	UG/L	4	0	0	1	U	-	1	U	-	1	0.5	1
CHLOROBENZENE	UG/L	4	0	0	1	U	-	1	U	-	1	30	1
CHLORODIBROMOMETHANE	UG/L	4	0	0	1	U	-	1	U	-	1	100	2
CHLOROETHANE	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA
CHLOROFORM	UG/L	4	1	0	1	U	-	6		02_DGMW60	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA
CIS-1,3-DICHLOROPROPENE	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
ETHYLBENZENE	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
METHYLENE CHLORIDE	UG/L	4	0	0	1	U	-	1	U	-	1	40	4
STYRENE	UG/L	4	0	0	1	U	-	1	U	-	1	100	2
TETRACHLOROETHENE	UG/L	4	2	1	1	U	-	8		02_DGMW60	1	5	2
TOLUENE	UG/L	4	0	0	1	U	-	1	U	-	1	1000	2
TRANS-1,3-DICHLOROPROPENE	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
TRICHLOROETHYLENE	UG/L	4	4	1	0.6	J	02_DGMW59	82	D	02_DGMW60	1	5	2
VINYL ACETATE	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA

Table C - 2d

Site 2: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
VINYL CHLORIDE	UG/L	4	0	0	2	U	-	2	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	4	0	' NA	1	U	-	1	U	-	1	NA	NA
SEMIVOLATILE ORGANIC COMPOUNDS													
1,2,4-TRICHLOROBENZENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
1,2-DICHLOROBENZENE	UG/L	4	0	0	10	U	-	10	U	-	10	600	2
1,3-DICHLOROBENZENE	UG/L	4	0	0	10	U	-	10	U	-	10	600	2
1,4-DICHLOROBENZENE	UG/L	4	0	0	10	U	-	10	U	-	10	5	1
2,4,5-TRICHLOROPHENOL	UG/L	4	0	NA	25	U	-	25	U	-	25	NA	NA
2,4,6-TRICHLOROPHENOL	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DICHLOROPHENOL	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DIMETHYLPHENOL	UG/L	4	0	0	10	U	-	10	U	-	10	400	4
2,4-DINITROPHENOL	UG/L	4	0	NA	25	U	-	25	U	-	25	NA	NA
2,4-DINITROTOLUENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
2,6-DINITROTOLUENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLORONAPHTHALENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLOROPHENOL	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLNAPHTHALENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLPHENOL	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
2-NITROANILINE	UG/L	4	0	NA	25	U	-	25	U	-	25	NA	NA
2-NITROPHENOL	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
3,3'-DICHLOROBENZIDINE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
3-NITROANILINE	UG/L	4	0	NA	25	U	-	25	U	-	25	NA	NA
4,6-DINITRO-2-METHYLPHENOL	UG/L	4	0	NA	25	U	-	25	U	-	25	NA	NA
4-BROMOPHENYL PHENYL ETHER	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLORO-3-METHYLPHENOL	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROANILINE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROPHENYL PHENYL ETHER	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
4-METHYLPHENOL	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
4-NITROANILINE	UG/L	4	0	NA	25	U	-	25	U	-	25	NA	NA
4-NITROPHENOL	UG/L	4	0	NA	25	U	-	25	U	-	25	NA	NA
ACENAPHTHENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
ACENAPHTHYLENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
ANTHRACENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 2d

Site 2: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
VOLATILE ORGANIC COMPOUNDS													
1,1,1-TRICHLOROETHANE	UG/L	4	0	0	1	U	-	1	U	-	1	200	2
1,1,2,2-TETRACHLOROETHANE	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
1,1,2-TRICHLOROETHANE	UG/L	4	0	0	1	U	-	1	U	-	1	32	1
1,1-DICHLOROETHANE	UG/L	4	0	0	1	U	-	1	U	-	1	5	1
1,1-DICHLOROETHENE	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROETHANE	UG/L	4	1	1	0.9	J	02_DGMW60	0.9	J	02_DGMW60	1	0.5	1
1,2-DICHLOROETHENE (TOTAL)	UG/L	4	1	NA	1	U	-	8		02_DGMW60	1	NA	NA
1,2-DICHLOROPROPANE	UG/L	4	0	0	1	U	-	1	U	-	1	5	2
2-BUTANONE	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA
2-HEXANONE	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA
4-METHYL-2-PENTANONE	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA
ACETONE	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA
BENZENE	UG/L	4	0	0	1	U	-	1	U	-	1	1	1
BROMODICHLOROMETHANE	UG/L	4	0	0	1	U	-	1	U	-	1	100	2
BROMOFORM	UG/L	4	0	0	1	U	-	1	U	-	1	100	2
BROMOMETHANE (METHYL BROMIDE)	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA
CARBON DISULFIDE	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
CARBON TETRACHLORIDE	UG/L	4	0	0	1	U	-	1	U	-	1	0.5	1
CHLOROBENZENE	UG/L	4	0	0	1	U	-	1	U	-	1	30	1
CHLORODIBROMOMETHANE	UG/L	4	0	0	1	U	-	1	U	-	1	100	2
CHLOROETHANE	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA
CHLOROFORM	UG/L	4	1	0	1	U	-	6		02_DGMW60	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA
CIS-1,3-DICHLOROPROPENE	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
ETHYLBENZENE	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
METHYLENE CHLORIDE	UG/L	4	0	0	1	U	-	1	U	-	1	40	4
STYRENE	UG/L	4	0	0	1	U	-	1	U	-	1	100	2
TETRACHLOROETHENE	UG/L	4	2	1	1	U	-	8		02_DGMW60	1	5	2
TOLUENE	UG/L	4	0	0	1	U	-	1	U	-	1	1000	2
TRANS-1,3-DICHLOROPROPENE	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
TRICHLOROETHYLENE	UG/L	4	4	1	0.6	J	02_DGMW59	82	D	02_DGMW60	1	5	2
VINYL ACETATE	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA

Table C - 2d

Site 2: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
PYRENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
PESTICIDES AND PCBs													
4,4'-DDD	UG/L	4	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDE	UG/L	4	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDT	UG/L	4	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ALDRIN	UG/L	4	0	0	0.05	U	-	0.05	U	-	0.1	0.05	4
ALPHA-CHLORDANE	UG/L	4	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-ALPHA	UG/L	4	0	0	0.05	U	-	0.05	U	-	0.1	0.7	4
BHC-BETA	UG/L	4	0	0	0.05	U	-	0.05	U	-	0.1	0.3	4
BHC-DELTA	UG/L	4	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-GAMMA(LINDANE)	UG/L	4	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
DIELDRIN	UG/L	4	0	0	0.1	U	-	0.1	U	-	0.1	0.05	4
ENDOSULFAN I	UG/L	4	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
ENDOSULFAN II	UG/L	4	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDOSULFAN SULFATE	UG/L	4	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN	UG/L	4	0	0	0.1	U	-	0.1	U	-	0.1	0.2	2
ENDRIN ALDEHYDE	UG/L	4	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN KETONE	UG/L	4	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
GAMMA-CHLORDANE	UG/L	4	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
HEPTACHLOR	UG/L	4	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
HEPTACHLOR EPOXIDE	UG/L	4	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
METHOXYCHLOR	UG/L	4	0	0	0.5	U	-	0.5	U	-	0.5	40	2
PCB-1016	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1221	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA
PCB-1232	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1242	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1248	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1254	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1260	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
TOXAPHENE	UG/L	4	0	0	5	U	-	5	U	-	5	3	2
HERBICIDES													
2,4 DICHLOROPHENOXY ACETIC ACID	UG/L	4	0	0	0.5	U	-	0.5	U	-	0.5	70	2
2,4,5-T	UG/L	4	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA

Table C - 2d

Site 2: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
2,4,5-TP (SILVEX)	UG/L	4	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA
2,4-DB	UG/L	4	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DALAPON	UG/L	4	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DICAMBA	UG/L	4	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DICHLOROPROP	UG/L	4	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DINOSEB	UG/L	4	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA
MCPA	UG/L	4	0	NA	250	U	-	250	U	-	250	NA	NA
MCPP	UG/L	4	0	NA	250	U	-	250	U	-	250	NA	NA
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	4	0	NA	250	U	-	250	U	-	250	NA	NA
TFH GASOLINE	UG/L	4	0	NA	50	U	-	50	U	-	50	NA	NA
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
TRPH	MG/L	4	0	NA	0.44	U	-	0.44	U	-	0.44	NA	NA
GROSS ALPHA AND BETA													
GROSS ALPHA	PCI/L	4	4	2	6.5		02_DGMW61	20.9		02_DGMW60	1	15	2
GROSS BETA	PCI/L	4	4	0	5.2		02_UGMW25	14.1		02_DGMW59	0.3	50	2

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.
(c) The given concentration represents the California MCL, the EPA primary MCL, the EPA secondary MCL, or the California DTSC Action Level, whichever is most stringent.

(d) Regulatory Codes are:
1 = California MCL
2 = EPA primary MCL
3 = EPA secondary MCL
4 = California DTSC Action Level

Table C - 3d

Site 3: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
GENERAL CHEMISTRY													
ALKALINITY AS CACO3	MG/L	4	4	NA	271		03_UGMW26	335		03_DBMW39	1	NA	NA
BICARBONATE	MG/L	4	4	NA	286		03_DGMW64	409		03_DBMW39	1	NA	NA
CARBONATE	MG/L	6	6	NA	0		03_DGMW65X	286		03_DGMW64	0	NA	NA
CHLORIDE	MG/L	5	5	0	104		03_UGMW26	152		03_DGMW64	0.13	250	3
CYANIDE	UG/L	5	0	NA	3	U	-	3	U	-	3	NA	NA
NITRATE/NITRITE-N	MG/L	5	5	3	5.73		03_DBMW39	15.3		03_UGMW26	0.02	10	1
SULFATE	MG/L	5	4	0	36.4	U	-	153		03_DGMW64	36.4	250	3
TOTAL DISSOLVED SOLIDS	MG/L	5	5	5	731		03_DBMW39	847		03_DGMW64	3	500	3
METALS													
ALUMINUM	UG/L	4	1	0	31	U	-	47.5	b	03_DGMW65X	31	50	3
ANTIMONY	UG/L	4	0	NA	12.1	U	-	12.1	U	-	12.1	NA	NA
ARSENIC	UG/L	4	4	0	2.6	b	03_DGMW65X	10.7		03_DBMW39	0.7	50	2
BARIUM	UG/L	4	4	0	35.9	b	03_DGMW64	120	b	03_UGMW26	0.1	2000	2
BERYLLIUM	UG/L	4	0	NA	0.5	U	-	2.8	U	-	0.5	NA	NA
CADMIUM	UG/L	4	2	0	1.2	U	-	3	b	03_DGMW65X	1.2	5	2
CALCIUM	UG/L	4	4	NA	27300		03_DBMW39	64500		03_UGMW26	103	NA	NA
CHROMIUM	UG/L	4	0	0	3.7	U	-	5.6	U	-	3.7	50	1
COBALT	UG/L	4	1	NA	5.8	U	-	6	b	03_DGMW65X	5.8	NA	NA
COPPER	UG/L	4	2	0	0.9	U	-	6.2	b	03_DGMW64	0.9	1300	2
IRON	UG/L	4	0	0	4.1	U	-	11	U	-	11	300	3
LEAD	UG/L	4	0	0	0.3	U	-	0.6	U	-	0.6	15	2
MAGNESIUM	UG/L	4	4	NA	14900		03_DBMW39	35300		03_DGMW64	14.3	NA	NA
MANGANESE	UG/L	4	4	2	9.9	b	03_DBMW39	238		03_DGMW65X	0.8	50	3
MERCURY	UG/L	4	0	0	0.1	U	-	0.1	U	-	0.1	2	2
NICKEL	UG/L	4	4	NA	28.5	J	03_UGMW26	166		03_DGMW65X	7.7	NA	NA
POTASSIUM	UG/L	4	4	NA	2110	b	03_UGMW26	3850	b	03_DGMW65X	191	NA	NA
SELENIUM	UG/L	4	4	3	6.8		03_DBMW39	17.4		03_DGMW64	0.5	10	1
SILVER	UG/L	4	0	0	2.1	U	-	2.1	U	-	2.1	50	1
SODIUM	UG/L	4	4	NA	133000		03_UGMW26	210000		03_DBMW39	12.4	NA	NA
THALLIUM	UG/L	4	0	NA	0.7	U	-	1	U	-	0.7	NA	NA
VANADIUM	UG/L	4	4	NA	13.8	b	03_DGMW65X	44.9	b	03_DBMW39	1.9	NA	NA
ZINC	UG/L	4	0	0	2.2	U	-	5.5	U	-	2.2	5000	2

Table C - 2d

Site 2: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
2,4,5-TP (SILVEX)	UG/L	4	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA
2,4-DB	UG/L	4	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DALAPON	UG/L	4	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DICAMBA	UG/L	4	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DICHLOROPROP	UG/L	4	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DINOSEB	UG/L	4	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA
MCPA	UG/L	4	0	NA	250	U	-	250	U	-	250	NA	NA
MCPP	UG/L	4	0	NA	250	U	-	250	U	-	250	NA	NA
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	4	0	NA	250	U	-	250	U	-	250	NA	NA
TFH GASOLINE	UG/L	4	0	NA	50	U	-	50	U	-	50	NA	NA
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
TRPH	MG/L	4	0	NA	0.44	U	-	0.44	U	-	0.44	NA	NA
GROSS ALPHA AND BETA													
GROSS ALPHA	PCI/L	4	4	2	6.5		02_DGMW61	20.9		02_DGMW60	1	15	2
GROSS BETA	PCI/L	4	4	0	5.2		02_UGMW25	14.1		02_DGMW59	0.3	50	2

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.
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Table C - 3d

Site 3: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
VINYL CHLORIDE	UG/L	4	0	0	2	U	-	2	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	4	1	NA	0.8	J	03_DGMW65X	0.8	J	03_DGMW65X	1	NA	NA
SEMIVOLATILE ORGANIC COMPOUNDS													
1,2,4-TRICHLOROBENZENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
1,2-DICHLOROBENZENE	UG/L	4	0	0	10	U	-	10	U	-	10	600	2
1,3-DICHLOROBENZENE	UG/L	4	0	0	10	U	-	10	U	-	10	600	2
1,4-DICHLOROBENZENE	UG/L	4	0	0	10	U	-	10	U	-	10	5	1
2,4,5-TRICHLOROPHENOL	UG/L	4	0	NA	25	U	-	25	U	-	25	NA	NA
2,4,6-TRICHLOROPHENOL	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DICHLOROPHENOL	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DIMETHYLPHENOL	UG/L	4	0	0	10	U	-	10	U	-	10	400	4
2,4-DINITROPHENOL	UG/L	4	0	NA	25	U	-	25	U	-	25	NA	NA
2,4-DINITROTOLUENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
2,6-DINITROTOLUENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLORONAPHTHALENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLOROPHENOL	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLNAPHTHALENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLPHENOL	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
2-NITROANILINE	UG/L	4	0	NA	25	U	-	25	U	-	25	NA	NA
2-NITROPHENOL	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
3,3'-DICHLOROBENZIDINE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
3-NITROANILINE	UG/L	4	0	NA	25	U	-	25	U	-	25	NA	NA
4,6-DINITRO-2-METHYLPHENOL	UG/L	4	0	NA	25	U	-	25	U	-	25	NA	NA
4-BROMOPHENYL PHENYL ETHER	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLORO-3-METHYLPHENOL	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROANILINE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROPHENYL PHENYL ETHER	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
4-METHYLPHENOL	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
4-NITROANILINE	UG/L	4	0	NA	25	U	-	25	U	-	25	NA	NA
4-NITROPHENOL	UG/L	4	0	NA	25	U	-	25	U	-	25	NA	NA
ACENAPHTHENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
ACENAPHTHYLENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
ANTHRACENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 3d

Site 3: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
BENZO(A)ANTHRACENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHOXY) METHANE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	4	1	NA	2	J	03_DGMW65X	2	J	03_DGMW65X	10	NA	NA
CARBAZOLE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
CHRYSENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-BUTYL PHTHALATE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZOFURAN	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	4	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	4	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	4	0	0	10	U	-	10	U	-	10	5	4

Table C - 3d

Site 3: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
PYRENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
PESTICIDES AND PCBs													
4,4'-DDD	UG/L	4	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDE	UG/L	4	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDT	UG/L	4	1	NA	0.1	U	-	0.11		03_DGMW64	0.1	NA	NA
ALDRIN	UG/L	4	0	0	0.05	U	-	0.05	U	-	0.1	0.05	4
ALPHA-CHLORDANE	UG/L	4	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-ALPHA	UG/L	4	0	0	0.05	U	-	0.05	U	-	0.1	0.7	4
BHC-BETA	UG/L	4	0	0	0.05	U	-	0.05	U	-	0.1	0.3	4
BHC-DELTA	UG/L	4	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-GAMMA(LINDANE)	UG/L	4	1	NA	0.05	U	-	0.05		03_DGMW64	0.1	NA	NA
DIELDRIN	UG/L	4	1	1	0.1	U	-	0.11		03_DGMW64	0.1	0.05	4
ENDOSULFAN I	UG/L	4	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
ENDOSULFAN II	UG/L	4	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDOSULFAN SULFATE	UG/L	4	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN	UG/L	4	0	0	0.1	U	-	0.1	U	-	0.1	0.2	2
ENDRIN ALDEHYDE	UG/L	4	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN KETONE	UG/L	4	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
GAMMA-CHLORDANE	UG/L	4	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
HEPTACHLOR	UG/L	4	1	1	0.05	U	-	0.07		03_DGMW64	0.1	0.01	1
HEPTACHLOR EPOXIDE	UG/L	4	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
METHOXYCHLOR	UG/L	4	0	0	0.5	U	-	0.5	U	-	0.5	40	2
PCB-1016	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1221	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA
PCB-1232	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1242	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1248	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1254	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1260	UG/L	4	0	NA	1	U	-	1	U	-	1	NA	NA
TOXAPHENE	UG/L	4	0	0	5	U	-	5	U	-	5	3	2
HERBICIDES													
2,4 DICHLOROPHENOXY ACETIC ACID	UG/L	4	0	0	0.5	U	-	1.67	U	-	1.7	70	2
2,4,5-T	UG/L	4	0	NA	0.25	U	-	0.83	U	-	0.8	NA	NA

Table C - 3d

Site 3: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
BENZO(A)ANTHRACENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHOXY) METHANE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	4	1	NA	2	J	03_DGMW65X	2	J	03_DGMW65X	10	NA	NA
CARBAZOLE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
CHRYSENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-BUTYL PHTHALATE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZOFURAN	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	4	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	4	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	4	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	4	0	0	10	U	-	10	U	-	10	5	4

Table C - 4d

Site 4: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
GENERAL CHEMISTRY													
ALKALINITY AS CACO3	MG/L	3	3	NA	260		04_DGMW66	438		04_DBMW40	1	NA	NA
BICARBONATE	MG/L	3	3	NA	316		04_DGMW66	535		04_DBMW40	1	NA	NA
CARBONATE	MG/L	3	3	NA	0		04_DBMW40	0		04_DBMW40	0	NA	NA
CHLORIDE	MG/L	3	3	0	128		04_DGMW66	160		04_UGMW63	0.26	250	3
CYANIDE	UG/L	3	0	NA	3	U	-	3	U	-	3	NA	NA
NITRATE/NITRITE-N	MG/L	3	3	2	6.52		04_DGMW66	12.8		04_DBMW40	0.38	10	1
SULFATE	MG/L	3	3	0	112		04_DGMW66	123		04_UGMW63	0.42	250	3
TOTAL DISSOLVED SOLIDS	MG/L	3	3	3	730		04_DGMW66	993		04_UGMW63	3	500	3
METALS													
ALUMINUM	UG/L	3	2	1	31	U	-	69	b	04_DBMW40	31	50	3
ANTIMONY	UG/L	3	1	NA	12.1	U	-	14.7	J	04_UGMW63	12.1	NA	NA
ARSENIC	UG/L	3	3	0	0.9	b	04_UGMW63	2.8	b	04_DGMW66	0.7	50	2
BARIUM	UG/L	3	3	0	41.1	b	04_DGMW66	76.8	b	04_UGMW63	0.1	2000	2
BERYLLIUM	UG/L	3	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
CADMIUM	UG/L	3	1	0	1.2	U	-	2.3	b	04_DGMW66	1.2	5	2
CALCIUM	UG/L	3	3	NA	78500		04_DBMW40	134000		04_UGMW63	103	NA	NA
CHROMIUM	UG/L	3	0	0	3.7	U	-	3.7	U	-	3.7	50	1
COBALT	UG/L	3	0	NA	5.8	U	-	5.8	U	-	5.8	NA	NA
COPPER	UG/L	3	0	0	0.9	U	-	0.9	U	-	0.9	1300	2
IRON	UG/L	3	2	0	34.1	b	04_DBMW40	142		04_UGMW63	36.5	300	3
LEAD	UG/L	3	0	0	0.6	U	-	0.6	U	-	0.6	15	2
MAGNESIUM	UG/L	3	3	NA	30600		04_DGMW66	67200		04_UGMW63	14.3	NA	NA
MANGANESE	UG/L	3	3	1	11.7	b	04_DBMW40	337		04_UGMW63	0.8	50	3
MERCURY	UG/L	3	1	0	0.1	U	-	0.13	b	04_DBMW40	0.1	2	2
NICKEL	UG/L	3	3	NA	17.1	b	04_UGMW63	107		04_DGMW66	7.7	NA	NA
POTASSIUM	UG/L	3	3	NA	2830	b	04_DGMW66	4110	b	04_DBMW40	191	NA	NA
SELENIUM	UG/L	3	3	2	8.2	b	04_UGMW63	14	J	04_DGMW66	0.5	10	1
SILVER	UG/L	3	0	0	2.1	U	-	2.1	U	-	2.1	50	1
SODIUM	UG/L	3	3	NA	77400		04_UGMW63	181000		04_DBMW40	12.4	NA	NA
THALLIUM	UG/L	3	0	NA	0.7	U	-	1.9	U	-	0.7	NA	NA
VANADIUM	UG/L	3	3	NA	20.1	b	04_UGMW63	21.2	b	04_DGMW66	1.9	NA	NA
ZINC	UG/L	3	0	0	2.2	U	-	8.3	U	-	4.2	5000	2

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Site 4: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
VOLATILE ORGANIC COMPOUNDS													
1,1,1-TRICHLOROETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	200	2
1,1,2,2-TETRACHLOROETHANE	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
1,1,2-TRICHLOROETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	32	1
1,1-DICHLOROETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	5	1
1,1-DICHLOROETHENE	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	0.5	1
1,2-DICHLOROETHENE (TOTAL)	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROPROPANE	UG/L	3	0	0	1	U	-	1	U	-	1	5	2
2-BUTANONE	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA
2-HEXANONE	UG/L	3	1	NA	2	U	-	7		04_DBMW40	2	NA	NA
4-METHYL-2-PENTANONE	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA
ACETONE	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA
BENZENE	UG/L	3	1	1	1	U	-	3		04_UGMW63	1	1	1
BROMODICHLOROMETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	100	2
BROMOFORM	UG/L	3	0	0	1	U	-	1	U	-	1	100	2
BROMOMETHANE (METHYL BROMIDE)	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA
CARBON DISULFIDE	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
CARBON TETRACHLORIDE	UG/L	3	0	0	1	U	-	1	U	-	1	0.5	1
CHLOROBENZENE	UG/L	3	0	0	1	U	-	1	U	-	1	30	1
CHLORODIBROMOMETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	100	2
CHLOROETHANE	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA
CHLOROFORM	UG/L	3	0	0	1	U	-	1	U	-	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA
CIS-1,3-DICHLOROPROPENE	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
ETHYLBENZENE	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
METHYLENE CHLORIDE	UG/L	3	1	0	1	U	-	2		04_UGMW63	1	40	4
STYRENE	UG/L	3	0	0	1	U	-	1	U	-	1	100	2
TETRACHLOROETHENE	UG/L	3	0	0	1	U	-	1	U	-	1	5	2
TOLUENE	UG/L	3	0	0	1	U	-	1	U	-	1	1000	2
TRANS-1,3-DICHLOROPROPENE	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
TRICHLOROETHYLENE	UG/L	3	0	0	1	U	-	1	U	-	1	5	2
VINYL ACETATE	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA

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Site 4: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
VINYL CHLORIDE	UG/L	3	0	0	2	U	-	2	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
SEMIVOLATILE ORGANIC COMPOUNDS													
1,2,4-TRICHLOROBENZENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
1,2-DICHLOROBENZENE	UG/L	3	0	0	10	U	-	10	U	-	10	600	2
1,3-DICHLOROBENZENE	UG/L	3	0	0	10	U	-	10	U	-	10	600	2
1,4-DICHLOROBENZENE	UG/L	3	0	0	10	U	-	10	U	-	10	5	1
2,4,5-TRICHLOROPHENOL	UG/L	3	0	NA	25	U	-	25	U	-	25	NA	NA
2,4,6-TRICHLOROPHENOL	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DICHLOROPHENOL	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DIMETHYLPHENOL	UG/L	3	0	0	10	U	-	10	U	-	10	400	4
2,4-DINITROPHENOL	UG/L	3	0	NA	25	U	-	25	U	-	25	NA	NA
2,4-DINITROTOLUENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
2,6-DINITROTOLUENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLORONAPHTHALENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLOROPHENOL	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLNAPHTHALENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLPHENOL	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
2-NITROANILINE	UG/L	3	0	NA	25	U	-	25	U	-	25	NA	NA
2-NITROPHENOL	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
3,3'-DICHLOROBENZIDINE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
3-NITROANILINE	UG/L	3	0	NA	25	U	-	25	U	-	25	NA	NA
4,6-DINITRO-2-METHYLPHENOL	UG/L	3	0	NA	25	U	-	25	U	-	25	NA	NA
4-BROMOPHENYL PHENYL ETHER	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLORO-3-METHYLPHENOL	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROANILINE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROPHENYL PHENYL ETHER	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
4-METHYLPHENOL	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
4-NITROANILINE	UG/L	3	0	NA	25	U	-	25	U	-	25	NA	NA
4-NITROPHENOL	UG/L	3	0	NA	25	U	-	25	U	-	25	NA	NA
ACENAPHTHENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
ACENAPHTHYLENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
ANTHRACENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA

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Site 4: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

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ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
VOLATILE ORGANIC COMPOUNDS													
1,1,1-TRICHLOROETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	200	2
1,1,2,2-TETRACHLOROETHANE	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
1,1,2-TRICHLOROETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	32	1
1,1-DICHLOROETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	5	1
1,1-DICHLOROETHENE	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	0.5	1
1,2-DICHLOROETHENE (TOTAL)	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROPROPANE	UG/L	3	0	0	1	U	-	1	U	-	1	5	2
2-BUTANONE	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA
2-HEXANONE	UG/L	3	1	NA	2	U	-	7		04_DBMW40	2	NA	NA
4-METHYL-2-PENTANONE	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA
ACETONE	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA
BENZENE	UG/L	3	1	1	1	U	-	3		04_UGMW63	1	1	1
BROMODICHLOROMETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	100	2
BROMOFORM	UG/L	3	0	0	1	U	-	1	U	-	1	100	2
BROMOMETHANE (METHYL BROMIDE)	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA
CARBON DISULFIDE	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
CARBON TETRACHLORIDE	UG/L	3	0	0	1	U	-	1	U	-	1	0.5	1
CHLOROBENZENE	UG/L	3	0	0	1	U	-	1	U	-	1	30	1
CHLORODIBROMOMETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	100	2
CHLOROETHANE	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA
CHLOROFORM	UG/L	3	0	0	1	U	-	1	U	-	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA
CIS-1,3-DICHLOROPROPENE	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
ETHYLBENZENE	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
METHYLENE CHLORIDE	UG/L	3	1	0	1	U	-	2		04_UGMW63	1	40	4
STYRENE	UG/L	3	0	0	1	U	-	1	U	-	1	100	2
TETRACHLOROETHENE	UG/L	3	0	0	1	U	-	1	U	-	1	5	2
TOLUENE	UG/L	3	0	0	1	U	-	1	U	-	1	1000	2
TRANS-1,3-DICHLOROPROPENE	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
TRICHLOROETHYLENE	UG/L	3	0	0	1	U	-	1	U	-	1	5	2
VINYL ACETATE	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA

Table C - 4d

Site 4: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
PYRENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
PESTICIDES AND PCBs													
4,4'-DDD	UG/L	3	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDE	UG/L	3	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDT	UG/L	3	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ALDRIN	UG/L	3	0	0	0.05	U	-	0.05	U	-	0.1	0.05	4
ALPHA-CHLORDANE	UG/L	3	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-ALPHA	UG/L	3	0	0	0.05	U	-	0.05	U	-	0.1	0.7	4
BHC-BETA	UG/L	3	0	0	0.05	U	-	0.05	U	-	0.1	0.3	4
BHC-DELTA	UG/L	3	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-GAMMA(LINDANE)	UG/L	3	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
DIELDRIN	UG/L	3	0	0	0.1	U	-	0.1	U	-	0.1	0.05	4
ENDOSULFAN I	UG/L	3	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
ENDOSULFAN II	UG/L	3	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDOSULFAN SULFATE	UG/L	3	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN	UG/L	3	0	0	0.1	U	-	0.1	U	-	0.1	0.2	2
ENDRIN ALDEHYDE	UG/L	3	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN KETONE	UG/L	3	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
GAMMA-CHLORDANE	UG/L	3	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
HEPTACHLOR	UG/L	3	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
HEPTACHLOR EPOXIDE	UG/L	3	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
METHOXYCHLOR	UG/L	3	0	0	0.5	U	-	0.5	U	-	0.5	40	2
PCB-1016	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1221	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA
PCB-1232	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1242	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1248	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1254	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1260	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
TOXAPHENE	UG/L	3	0	0	5	U	-	5	U	-	5	3	2
HERBICIDES													
2,4 DICHLOROPHENOXY ACETIC ACID	UG/L	1	0	0	0.5	U	-	0.5	U	-	0.5	70	2
2,4,5-T	UG/L	1	1	NA	0.94		04_UGMW63	0.94		04_UGMW63	0.2	NA	NA

Table C - 4d

Site 4: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
2,4,5-TP (SILVEX)	UG/L	1	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA
2,4-DB	UG/L	1	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DALAPON	UG/L	1	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DICAMBA	UG/L	1	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DICHLOROPROP	UG/L	1	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DINOSEB	UG/L	1	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA
MCPA	UG/L	1	0	NA	250	U	-	250	U	-	250	NA	NA
MCPP	UG/L	1	0	NA	250	U	-	250	U	-	250	NA	NA
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	3	1	NA	250	U	-	769		04_DBMW40	250	NA	NA
TFH GASOLINE	UG/L	3	1	NA	50	U	-	77.7		04_DBMW40	50	NA	NA
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
TRPH	MG/L	3	0	NA	0.44	U	-	0.44	U	-	0.44	NA	NA
GROSS ALPHA AND BETA													
GROSS BETA	PCI/L	1	1	0	11.3		04_UGMW63	11.3		04_UGMW63	1.5	50	2

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.
(c) The given concentration represents the California MCL, the EPA primary MCL, the EPA secondary MCL, or the California DTSC Action Level, whichever is most stringent.

(d) Regulatory Codes are:
1 = California MCL
2 = EPA primary MCL
3 = EPA secondary MCL
4 = California DTSC Action Level

Table C - 5d

Site 5: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
GENERAL CHEMISTRY													
ALKALINITY AS CACO3	MG/L	6	6	NA	228		05_DBMW41	296		05_DGMW67	1	NA	NA
BICARBONATE	MG/L	6	6	NA	279		05_DBMW41	360		05_DGMW67	1	NA	NA
CARBONATE	MG/L	6	6	NA	0		05_DGMW68	0		05_DGMW68	0	NA	NA
CHLORIDE	MG/L	6	6	0	84.5		05_UGMW27	101		05_DGMW68	0.26	250	3
CYANIDE	UG/L	6	0	NA	3	U	-	3	U	-	3	NA	NA
NITRATE/NITRITE-N	MG/L	6	6	0	6.79		05_DGMW67	8.94		05_DBMW41	0.5	10	1
SULFATE	MG/L	6	6	4	193		05_DBMW41	284		05_DGMW67	0.21	250	3
TOTAL DISSOLVED SOLIDS	MG/L	6	6	6	758		05_DBMW41	934		05_DGMW67	3	500	3
METALS													
ALUMINUM	UG/L	6	2	1	31	U	-	50.7	b	05_DGMW67	31	50	3
ANTIMONY	UG/L	6	1	NA	12.1	U	-	20.8	b	05_DGMW68	12.1	NA	NA
ARSENIC	UG/L	6	6	0	1.4	b	05_DBMW41	4	b	05_UGMW27	0.7	50	2
BARIUM	UG/L	6	6	0	22.5	b	05_DBMW41	69.6	b	05_DGMW67	0.1	2000	2
BERYLLIUM	UG/L	6	0	NA	0.5	U	-	0.55	U	-	0.5	NA	NA
CADMIUM	UG/L	6	0	0	1.2	U	-	1.2	U	-	1.2	5	2
CALCIUM	UG/L	6	6	NA	98900		05_DBMW41	131000		05_DGMW67	103	NA	NA
CHROMIUM	UG/L	6	0	0	3.7	U	-	3.7	U	-	3.7	50	1
COBALT	UG/L	6	0	NA	5.8	U	-	5.8	U	-	5.8	NA	NA
COPPER	UG/L	6	2	0	0.9	U	-	1.2	J	05_UGMW27	0.9	1300	2
IRON	UG/L	6	1	0	2.3	U	-	17.7	b	05_DGMW68	2.3	300	3
LEAD	UG/L	6	0	0	0.6	U	-	0.6	U	-	0.6	15	2
MAGNESIUM	UG/L	6	6	NA	28900		05_DBMW41	36700		05_DGMW67	14.3	NA	NA
MANGANESE	UG/L	6	6	0	1.5	b	05_DGMW67	20.6		05_DGMW68	0.8	50	3
MERCURY	UG/L	6	2	0	0.1	U	-	0.21		05_DGMW67	0.1	2	2
NICKEL	UG/L	6	3	NA	7.7	U	-	29.2	J	05_DGMW68	7.7	NA	NA
POTASSIUM	UG/L	6	6	NA	1830	b	05_UGMW27	3350	b	05_DGMW68	191	NA	NA
SELENIUM	UG/L	6	5	0	6.3		05_DGMW67	9.6	b	05_UGMW27	0.5	10	1
SILVER	UG/L	6	1	0	2.1	U	-	2.5	b	05_DGMW68	2.1	50	1
SODIUM	UG/L	6	6	NA	96900		05_DBMW41	128000		05_DGMW67	12.4	NA	NA
THALLIUM	UG/L	6	0	NA	0.7	U	-	0.7	U	-	0.7	NA	NA
VANADIUM	UG/L	6	6	NA	10.5	b	05_DBMW41	14	b	05_DGMW67	1.9	NA	NA
ZINC	UG/L	6	0	0	2.2	U	-	2.4	U	-	2.2	5000	2

Table C - 4d

Site 4: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
2,4,5-TP (SILVEX)	UG/L	1	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA
2,4-DB	UG/L	1	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DALAPON	UG/L	1	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DICAMBA	UG/L	1	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DICHLOROPROP	UG/L	1	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DINOSEB	UG/L	1	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA
MCPA	UG/L	1	0	NA	250	U	-	250	U	-	250	NA	NA
MCPP	UG/L	1	0	NA	250	U	-	250	U	-	250	NA	NA
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	3	1	NA	250	U	-	769		04_DBMW40	250	NA	NA
TFH GASOLINE	UG/L	3	1	NA	50	U	-	77.7		04_DBMW40	50	NA	NA
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
TRPH	MG/L	3	0	NA	0.44	U	-	0.44	U	-	0.44	NA	NA
GROSS ALPHA AND BETA													
GROSS BETA	PCI/L	1	1	0	11.3		04_UGMW63	11.3		04_UGMW63	1.5	50	2

(a) If the analyte concentration is below the detection limit and is not an estimated value, then the value given is the detection limit.
(b) A definition of each data validation flag (DVF) is provided in Table C-1.
(c) The given concentration represents the California MCL, the EPA primary MCL, the EPA secondary MCL, or the California DTSC Action Level, whichever is most stringent.

(d) Regulatory Codes are:
1 = California MCL
2 = EPA primary MCL
3 = EPA secondary MCL
4 = California DTSC Action Level

Table C - 5d

Site 5: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
VINYL CHLORIDE	UG/L	6	0	0	2	U	-	2	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	6	0	NA	1	U	-	1	U	-	1	NA	NA
SEMIVOLATILE ORGANIC COMPOUNDS													
1,2,4-TRICHLOROBENZENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
1,2-DICHLOROBENZENE	UG/L	6	0	0	10	U	-	10	U	-	10	600	2
1,3-DICHLOROBENZENE	UG/L	6	0	0	10	U	-	10	U	-	10	600	2
1,4-DICHLOROBENZENE	UG/L	6	0	0	10	U	-	10	U	-	10	5	1
2,4,5-TRICHLOROPHENOL	UG/L	6	0	NA	25	U	-	25	U	-	25	NA	NA
2,4,6-TRICHLOROPHENOL	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DICHLOROPHENOL	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DIMETHYLPHENOL	UG/L	6	0	0	10	U	-	10	U	-	10	400	4
2,4-DINITROPHENOL	UG/L	6	0	NA	25	U	-	25	U	-	25	NA	NA
2,4-DINITROTOLUENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
2,6-DINITROTOLUENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLORONAPHTHALENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLOROPHENOL	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLNAPHTHALENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLPHENOL	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
2-NITROANILINE	UG/L	6	0	NA	25	U	-	25	U	-	25	NA	NA
2-NITROPHENOL	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
3,3'-DICHLOROBENZIDINE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
3-NITROANILINE	UG/L	6	0	NA	25	U	-	25	U	-	25	NA	NA
4,6-DINITRO-2-METHYLPHENOL	UG/L	6	0	NA	25	U	-	25	U	-	25	NA	NA
4-BROMOPHENYL PHENYL ETHER	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLORO-3-METHYLPHENOL	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROANILINE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROPHENYL PHENYL ETHER	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
4-METHYLPHENOL	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
4-NITROANILINE	UG/L	6	0	NA	25	U	-	25	U	-	25	NA	NA
4-NITROPHENOL	UG/L	6	0	NA	25	U	-	25	U	-	25	NA	NA
ACENAPHTHENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
ACENAPHTHYLENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
ANTHRACENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 5d

Site 5: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
BENZO(A)ANTHRACENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHOXY) METHANE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
CARBAZOLE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
CHRYSENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-BUTYL PHTHALATE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZOFURAN	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	6	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	6	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	6	0	0	10	U	-	10	U	-	10	5	4

Table C - 5d

Site 5: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
PYRENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
PESTICIDES AND PCBs													
4,4'-DDD	UG/L	6	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDE	UG/L	6	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDT	UG/L	6	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ALDRIN	UG/L	6	0	0	0.05	U	-	0.05	U	-	0.1	0.05	4
ALPHA-CHLORDANE	UG/L	6	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-ALPHA	UG/L	6	0	0	0.05	U	-	0.05	U	-	0.1	0.7	4
BHC-BETA	UG/L	6	0	0	0.05	U	-	0.05	U	-	0.1	0.3	4
BHC-DELTA	UG/L	6	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-GAMMA(LINDANE)	UG/L	6	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
DIELDRIN	UG/L	6	0	0	0.1	U	-	0.1	U	-	0.1	0.05	4
ENDOSULFAN I	UG/L	6	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
ENDOSULFAN II	UG/L	6	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDOSULFAN SULFATE	UG/L	6	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN	UG/L	6	0	0	0.1	U	-	0.1	U	-	0.1	0.2	2
ENDRIN ALDEHYDE	UG/L	6	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN KETONE	UG/L	6	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
GAMMA-CHLORDANE	UG/L	6	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
HEPTACHLOR	UG/L	6	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
HEPTACHLOR EPOXIDE	UG/L	6	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
METHOXYCHLOR	UG/L	6	0	0	0.5	U	-	0.5	U	-	0.5	40	2
PCB-1016	UG/L	6	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1221	UG/L	6	0	NA	2	U	-	2	U	-	2	NA	NA
PCB-1232	UG/L	6	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1242	UG/L	6	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1248	UG/L	6	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1254	UG/L	6	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1260	UG/L	6	0	NA	1	U	-	1	U	-	1	NA	NA
TOXAPHENE	UG/L	6	0	0	5	U	-	5	U	-	5	3	2
HERBICIDES													
2,4 DICHLOROPHENOXY ACETIC ACID	UG/L	5	0	0	0.5	U	-	0.5	U	-	0.5	70	2
2,4,5-T	UG/L	5	1	NA	0.25	U	-	0.69		05_DGMW67	0.2	NA	NA

Continue

Table C - 5d

Site 5: Summary of Analytes and Minimum / Maximum Concentrations in Groundwater

MCAS El Toro Phase I RI Technical Memorandum

ANALYTE BY GROUP	Units	Number of Samples	Number of Times Detected	Number Exceeding Regulatory Limits	Minimum Detected Conc.(a)	DVF(b)	Well with Minimum Detected Conc.	Maximum Detected Conc.(a)	DVF(b)	Well with Maximum Detected Conc.	Detection Limit	Regulatory Level(c)	Regulatory Code(d)
BENZO(A)ANTHRACENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHOXY) METHANE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
CARBAZOLE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
CHRYSENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-BUTYL PHTHALATE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZOFURAN	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	6	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	6	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	6	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	6	0	0	10	U	-	10	U	-	10	5	4