Previous

Table C - 6d

Site 6: 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	110		06_DGMW69	136		06_UGMW28	1	NA	NA
BICARBONATE	MG/L	2	2	NA	134		06_DGMW69	166		06_UGMW28	1	NA	NA
CARBONATE	MG/L	2	2	NA	0		06_DGMW69	0		06_DGMW69	0	NA	NA
CHLORIDE	MG/L	2	2	2	286		06_DGMW69	541		06_UGMW28	0.65	250	3
CYANIDE	UG/L	2	0	NA	3	U	-	3	U	-	3	NA	NA
NITRATE/NITRITE-N	MG/L	2	2	2	16.3		06_DGMW69	18.8		06_UGMW28	1	10	1
SULFATE	MG/L	2	2	1	209		06_DGMW69	332		06_UGMW28	1.1	250	3
TOTAL DISSOLVED SOLIDS	MG/L	2	2	2	1080		06_DGMW69	1890		06_UGMW28	3	500	3
METALS													
ALUMINUM	UG/L	2	1	0	31	U	-	43.9	b	06_DGMW69	31	50	3
ANTIMONY	UG/L	2	2	NA	12.9	b	06_DGMW69	19.6	b	06_UGMW28	12.1	NA	NA
ARSENIC	UG/L	2	0	0	0.7	U	-	0.7	U	-	0.7	50	2
BARIUM	UG/L	2	2	0	34.4	b	06_UGMW28	48	b	06_DGMW69	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	1	5.2	U	-	15.3		06_DGMW69	5.2	5	2
CALCIUM	UG/L	2	2	NA	169000		06_DGMW69	264000		06_UGMW28	103	NA	NA
CHROMIUM	UG/L	2	0	0	3.7	U	-	3.7	U	-	3.7	50	1
COBALT	UG/L	2	1	NA	5.8	U	-	14.4	b	06_DGMW69	5.8	NA	NA
COPPER	UG/L	2	0	0	0.9	U	-	0.9	U	-	0.9	1300	2
IRON	UG/L	2	2	0	54.5	b	06_UGMW28	104		06_DGMW69	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	47800		06_DGMW69	73000		06_UGMW28	14.3	NA	NA
MANGANESE	UG/L	2	2	2	167		06_DGMW69	197		06_UGMW28	0.8	50	3
MERCURY	UG/L	2	1	0	0.1	U	-	0.13	b	06_DGMW69	0.1	2	2
NICKEL	UG/L	2	2	NA	230		06_UGMW28	866		06_DGMW69	7.7	NA	NA
POTASSIUM	UG/L	2	2	NA	3350	b	06_DGMW69	7220		06_UGMW28	191	NA	NA
SELENIUM	UG/L	2	2	2	31.4		06_DGMW69	56.2		06_UGMW28	0.5	10	1
SILVER	UG/L	2	0	0	2.1	U	-	2.1	U	-	2.1	50	1
SODIUM	UG/L	2	2	NA	76000		06_DGMW69	109000		06_UGMW28	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	5.4	b	06_UGMW28	5.7	b	06_DGMW69	1.9	NA	NA
ZINC	UG/L	2	2	0	4.4	b	06_DGMW69	10.9	b	06_UGMW28	2.2	5000	2

Table C - 6d

Site 6: 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	2	1	0	0.4	J	06_DGMW69	0.4	J	06_DGMW69	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
1,1-DICHLOROETHENE	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROETHANE	UG/L	2	0	0	1	U	-	1	U	-	1	0.5	1
1,2-DICHLOROETHENE (TOTAL)	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROPROPANE	UG/L	2	0	0	1	U	-	1	U	-	1	5	2
2-BUTANONE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
2-HEXANONE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
4-METHYL-2-PENTANONE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
ACETONE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
BENZENE	UG/L	2	0	0	1	U	-	1	U	-	1	1	1
BROMODICHLOROMETHANE	UG/L	2	0	0	1	U	-	1	U	-	1	100	2
BROMOFORM	UG/L	2	0	0	1	U	-	1	U	-	1	100	2
BROMOMETHANE (METHYL BROMIDE)	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
CARBON DISULFIDE	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
CARBON TETRACHLORIDE	UG/L	2	0	0	1	U	-	1	U	-	1	0.5	1
CHLOROBENZENE	UG/L	2	0	0	1	U	-	1	U	-	1	30	1
CHLORODIBROMOMETHANE	UG/L	2	0	0	1	U	-	1	U	-	1	100	2
CHLOROETHANE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
CHLOROFORM	UG/L	2	0	0	1	U	-	1	U	-	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	2	1	NA	2	U	-	2	J	06_UGMW28	2	NA	NA
CIS-1,3-DICHLOROPROPENE	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
ETHYLBENZENE	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
METHYLENE CHLORIDE	UG/L	2	0	0	1	U	-	1	U	-	1	40	4
STYRENE	UG/L	2	0	0	1	U	-	1	U	-	1	100	2
TETRACHLOROETHENE	UG/L	2	0	0	1	U	-	1	U	-	1	5	2
TOLUENE	UG/L	2	0	0	1	U	-	1	U	-	1	1000	2
TRANS-1,3-DICHLOROPROPENE	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
TRICHLOROETHYLENE	UG/L	2	0	0	1	U	-	1	U	-	1	5	2
VINYL ACETATE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA

Table C - 6d

Site 6: 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	2	0	0	2	U	-	2	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
SEMIVOLATILE ORGANIC COMPOUNDS													
1,2,4-TRICHLOROBENZENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
1,2-DICHLOROBENZENE	UG/L	2	0	0	10	U	-	10	U	-	10	600	2
1,3-DICHLOROBENZENE	UG/L	2	0	0	10	U	-	10	U	-	10	600	2
1,4-DICHLOROBENZENE	UG/L	2	0	0	10	U	-	10	U	-	10	5	1
2,4,5-TRICHLOROPHENOL	UG/L	2	0	NA	25	U	-	25	U	-	25	NA	NA
2,4,6-TRICHLOROPHENOL	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DICHLOROPHENOL	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
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

Table C - 6d

Site 6: 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	2	1	0	0.4	J	06_DGMW69	0.4	J	06_DGMW69	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
1,1-DICHLOROETHENE	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROETHANE	UG/L	2	0	0	1	U	-	1	U	-	1	0.5	1
1,2-DICHLOROETHENE (TOTAL)	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROPROPANE	UG/L	2	0	0	1	U	-	1	U	-	1	5	2
2-BUTANONE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
2-HEXANONE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
4-METHYL-2-PENTANONE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
ACETONE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
BENZENE	UG/L	2	0	0	1	U	-	1	U	-	1	1	1
BROMODICHLOROMETHANE	UG/L	2	0	0	1	U	-	1	U	-	1	100	2
BROMOFORM	UG/L	2	0	0	1	U	-	1	U	-	1	100	2
BROMOMETHANE (METHYL BROMIDE)	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
CARBON DISULFIDE	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
CARBON TETRACHLORIDE	UG/L	2	0	0	1	U	-	1	U	-	1	0.5	1
CHLOROBENZENE	UG/L	2	0	0	1	U	-	1	U	-	1	30	1
CHLORODIBROMOMETHANE	UG/L	2	0	0	1	U	-	1	U	-	1	100	2
CHLOROETHANE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
CHLOROFORM	UG/L	2	0	0	1	U	-	1	U	-	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	2	1	NA	2	U	-	2	J	06_UGMW28	2	NA	NA
CIS-1,3-DICHLOROPROPENE	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
ETHYLBENZENE	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
METHYLENE CHLORIDE	UG/L	2	0	0	1	U	-	1	U	-	1	40	4
STYRENE	UG/L	2	0	0	1	U	-	1	U	-	1	100	2
TETRACHLOROETHENE	UG/L	2	0	0	1	U	-	1	U	-	1	5	2
TOLUENE	UG/L	2	0	0	1	U	-	1	U	-	1	1000	2
TRANS-1,3-DICHLOROPROPENE	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
TRICHLOROETHYLENE	UG/L	2	0	0	1	U	-	1	U	-	1	5	2
VINYL ACETATE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA

Table C - 6d

Site 6: 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	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
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

Table C - 6d

Site 6: 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)
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 - 7d

Site 7: 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	5	5	NA	126		07_DBMW70	209		07_DGMW72	1	NA	NA
BICARBONATE	MG/L	5	5	NA	153		07_DBMW43	255		07_DGMW72	1	NA	NA
CARBONATE	MG/L	5	5	NA	0		07_DBMW43	0		07_DBMW43	0	NA	NA
CHLORIDE	MG/L	5	5	1	185		07_DBMW43	267		07_DBMW70	0.26	250	3
CYANIDE	UG/L	7	1	NA	3	U	-	5.5	B	07_DGMW72	3	NA	NA
NITRATE/NITRITE-N	MG/L	7	7	5	9.27		07_DBMW100	17.7		07_DGMW91	0.75	10	1
SULFATE	MG/L	5	5	1	112		07_DGMW72	319		07_DBMW70	0.42	250	3
TOTAL DISSOLVED SOLIDS	MG/L	5	5	5	880		07_DBMW43	1210		07_DBMW70	3	500	3
METALS													
ALUMINUM	UG/L	7	1	0	31	U	-	34.2	b	07_DBMW43	31	50	3
ANTIMONY	UG/L	7	5	NA	12.1	U	-	22.3	b	07_DGMW91	12.1	NA	NA
ARSENIC	UG/L	7	2	0	0.7	U	-	0.8	b	07_DBMW100	0.7	50	2
BARIUM	UG/L	7	7	0	32.2	b	07_DBMW70	100	b	07_DBMW100	0.1	2000	2
BERYLLIUM	UG/L	7	2	NA	0.5	U	-	0.64	b	07_DBMW100	0.5	NA	NA
CADMIUM	UG/L	7	5	1	1.2	U	-	10.2		07_DGMW91	1.2	5	2
CALCIUM	UG/L	7	7	NA	104000		07_DBMW100	181000		07_DBMW70	103	NA	NA
CHROMIUM	UG/L	7	0	0	3.7	U	-	3.7	U	-	3.7	50	1
COBALT	UG/L	7	2	NA	5.8	U	-	9.5	b	07_DGMW91	5.8	NA	NA
COPPER	UG/L	7	0	0	0.9	U	-	0.9	U	-	0.9	1300	2
IRON	UG/L	7	3	0	9	b	07_DBMW43	73.9	b	07_DBMW70	24.1	300	3
LEAD	UG/L	7	0	0	0.6	U	-	0.6	U	-	0.6	15	2
MAGNESIUM	UG/L	7	7	NA	32800		07_DBMW100	56100		07_DBMW70	14.3	NA	NA
MANGANESE	UG/L	7	7	2	8.4	b	07_DGMW72	102		07_DGMW91	0.8	50	3
MERCURY	UG/L	7	1	0	0.1	U	-	0.12	b	07_DBMW43	0.1	2	2
NICKEL	UG/L	7	7	NA	11.6	b	07_DGMW72	567		07_DGMW91	7.7	NA	NA
POTASSIUM	UG/L	7	7	NA	2250	b	07_DGMW72	3680	b	07_DBMW43	191	NA	NA
SELENIUM	UG/L	7	6	5	5.4	J	07_DGMW72	33.8		07_DBMW70	0.5	10	1
SILVER	UG/L	7	1	0	2.1	U	-	2.6	b	07_DGMW71	2.1	50	1
SODIUM	UG/L	7	7	NA	70100		07_DBMW43	88800		07_DGMW72	12.4	NA	NA
THALLIUM	UG/L	7	0	NA	0.7	U	-	1.2	U	-	0.7	NA	NA
VANADIUM	UG/L	7	7	NA	10	b	07_DBMW43	15.8	b	07_DGMW72	1.9	NA	NA
ZINC	UG/L	7	3	0	2.2	U	-	4.2	J	07_DBMW70	2.9	5000	2

Table C - 6d

Site 6: 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)
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 - 7d

Site 7: 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	7	0	0	2	U	-	2	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	7	0	NA	1	U	-	1	U	-	1	NA	NA
SEMIVOLATILE ORGANIC COMPOUNDS													
1,2,4-TRICHLOROBENZENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
1,2-DICHLOROBENZENE	UG/L	7	0	0	10	U	-	10	U	-	10	600	2
1,3-DICHLOROBENZENE	UG/L	7	0	0	10	U	-	10	U	-	10	600	2
1,4-DICHLOROBENZENE	UG/L	7	0	0	10	U	-	10	U	-	10	5	1
2,4,5-TRICHLOROPHENOL	UG/L	7	0	NA	25	U	-	25	U	-	25	NA	NA
2,4,6-TRICHLOROPHENOL	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DICHLOROPHENOL	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DIMETHYLPHENOL	UG/L	7	0	0	10	U	-	10	U	-	10	400	4
2,4-DINITROPHENOL	UG/L	7	0	NA	25	U	-	25	U	-	25	NA	NA
2,4-DINITROTOLUENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
2,6-DINITROTOLUENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLORONAPHTHALENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLOROPHENOL	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLNAPHTHALENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLPHENOL	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
2-NITROANILINE	UG/L	7	0	NA	25	U	-	25	U	-	25	NA	NA
2-NITROPHENOL	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
3,3'-DICHLOROBENZIDINE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
3-NITROANILINE	UG/L	7	0	NA	25	U	-	25	U	-	25	NA	NA
4,6-DINITRO-2-METHYLPHENOL	UG/L	7	0	NA	25	U	-	25	U	-	25	NA	NA
4-BROMOPHENYL PHENYL ETHER	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLORO-3-METHYLPHENOL	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROANILINE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROPHENYL PHENYL ETHER	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
4-METHYLPHENOL	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
4-NITROANILINE	UG/L	7	0	NA	25	U	-	25	U	-	25	NA	NA
4-NITROPHENOL	UG/L	7	0	NA	25	U	-	25	U	-	25	NA	NA
ACENAPHTHENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
ACENAPHTHYLENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
ANTHRACENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 7d

Site 7: 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	7	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHOXY) METHANE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
CARBAZOLE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
CHRYSENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-BUTYL PHTHALATE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZOFURAN	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	7	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	7	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	7	0	0	10	U	-	10	U	-	10	5	4

Table C - 7d

Site 7: 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	7	0	NA	10	U	-	10	U	-	10	NA	NA
PESTICIDES AND PCBs													
4,4'-DDD	UG/L	7	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDE	UG/L	7	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDT	UG/L	7	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ALDRIN	UG/L	7	0	0	0.05	U	-	0.05	U	-	0.1	0.05	4
ALPHA-CHLORDANE	UG/L	7	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-ALPHA	UG/L	7	0	0	0.05	U	-	0.05	U	-	0.1	0.7	4
BHC-BETA	UG/L	7	0	0	0.05	U	-	0.05	U	-	0.1	0.3	4
BHC-DELTA	UG/L	7	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-GAMMA(LINDANE)	UG/L	7	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
DIELDRIN	UG/L	7	0	0	0.1	U	-	0.1	U	-	0.1	0.05	4
ENDOSULFAN I	UG/L	7	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
ENDOSULFAN II	UG/L	7	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDOSULFAN SULFATE	UG/L	7	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN	UG/L	7	0	0	0.1	U	-	0.1	U	-	0.1	0.2	2
ENDRIN ALDEHYDE	UG/L	7	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN KETONE	UG/L	7	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
GAMMA-CHLORDANE	UG/L	7	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
HEPTACHLOR	UG/L	7	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
HEPTACHLOR EPOXIDE	UG/L	7	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
METHOXYCHLOR	UG/L	7	0	0	0.5	U	-	0.5	U	-	0.5	40	2
PCB-1016	UG/L	7	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1221	UG/L	7	0	NA	2	U	-	2	U	-	2	NA	NA
PCB-1232	UG/L	7	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1242	UG/L	7	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1248	UG/L	7	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1254	UG/L	7	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1260	UG/L	7	0	NA	1	U	-	1	U	-	1	NA	NA
TOXAPHENE	UG/L	7	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	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA

Table C - 7d

Site 7: 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	7	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHOXY) METHANE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
CARBAZOLE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
CHRYSENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-BUTYL PHTHALATE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZOFURAN	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	7	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	7	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	7	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	7	0	0	10	U	-	10	U	-	10	5	4

Table C - 8d

Site 8: 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	3	3	NA	132		08_UGMW29	447		08_DGMW73	1	NA	NA
BICARBONATE	MG/L	3	3	NA	161		08_UGMW29	545		08_DGMW73	1	NA	NA
CARBONATE	MG/L	3	3	NA	0		08_UGMW29	0		08_UGMW29	0	NA	NA
CHLORIDE	MG/L	3	3	0	162		08_DGMW73	245		08_UGMW29	0.26	250	3
CYANIDE	UG/L	3	1	NA	3	U	-	3.9	B	08_DGMW73	3	NA	NA
NITRATE/NITRITE-N	MG/L	3	3	3	11.7		08_UGMW29	15.4		08_DGMW73	1.25	10	1
SULFATE	MG/L	3	3	0	69.5		08_DGMW73	99.5		08_UGMW29	0.04	250	3
TOTAL DISSOLVED SOLIDS	MG/L	3	3	3	804		08_DGMW74	942		08_DGMW73	3	500	3
METALS													
ALUMINUM	UG/L	4	1	0	31	U	-	41.7	b	08_DGMW73	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	-	1.9	b	08_DGMW74	0.7	50	2
BARIUM	UG/L	4	4	0	54.6	b	08_UGMW29	137	b	08_DGMW73	0.1	2000	2
BERYLLIUM	UG/L	4	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
CADMIUM	UG/L	4	3	0	1.2	U	-	2.5	b	08_DGMW74	1.2	5	2
CALCIUM	UG/L	4	4	NA	95700		08_DGMW74	120000		08_DGMW73	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	-	8	U	-	5.8	NA	NA
COPPER	UG/L	4	3	0	0.9	U	-	1.4	b	08_DGMW74	0.9	1300	2
IRON	UG/L	4	4	0	21.5	b	08_DGMW73	38.2	b	08_DGMW74	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	26000		08_DGMW74	33600		08_DGMW73	14.3	NA	NA
MANGANESE	UG/L	4	4	1	24.8		08_DGMW74	110		08_UGMW29	0.8	50	3
MERCURY	UG/L	4	1	0	0.1	U	-	0.16	b	08_DGMW73	0.1	2	2
NICKEL	UG/L	4	4	NA	122		08_DGMW73	138		08_DGMW74	7.7	NA	NA
POTASSIUM	UG/L	4	4	NA	2060	b	08_DGMW74	4150	b	08_UGMW29	191	NA	NA
SELENIUM	UG/L	4	2	0	2.5	U	-	3.8	b	08_DGMW74	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	109000		08_UGMW29	163000		08_DGMW73	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	12.3	b	08_UGMW29	22.9	b	08_DGMW74	1.9	NA	NA
ZINC	UG/L	4	4	0	4.1	J	08_UGMW29	23		08_DGMW74	2.2	5000	2

Table C - 8d

Site 8: 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	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	1	0	1	U	-	2		08_DGMW73	1	32	1
1,1-DICHLOROETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	5	1
1,1-DICHLOROETHENE	UG/L	3	2	NA	1	U	-	8		08_DGMW73	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	0	NA	2	U	-	2	U	-	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	0	0.3	J	08_DGMW73	0.3	J	08_DGMW73	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	2	2	0.9	J	08_DGMW73	6		08_DGMW74	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	3	0	0.8	J	08_UGMW29	9		08_DGMW73	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	3	2	NA	0.4	J	08_DGMW73	0.9	J	08_DGMW74	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	0	0	1	U	-	1	U	-	1	40	4
STYRENE	UG/L	3	0	0	1	U	-	1	U	-	1	100	2
TETRACHLOROETHENE	UG/L	3	2	2	1	U	-	8		08_DGMW74	1	5	2
TOLUENE	UG/L	3	1	0	0.7	J	08_UGMW29	0.7	J	08_UGMW29	1	1000	2
TRANS-1,3-DICHLOROPROPENE	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
TRICHLOROETHYLENE	UG/L	3	3	3	20		08_UGMW29	140	D	08_DGMW73	1	5	2
VINYL ACETATE	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA

Table C - 8d

Site 8: 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	3	0	0	2	U	-	2	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	3	1	NA	1	U	-	1	J	08_UGMW29	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

Table C - 8d

Site 8: 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	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	1	0	1	U	-	2		08_DGMW73	1	32	1
1,1-DICHLOROETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	5	1
1,1-DICHLOROETHENE	UG/L	3	2	NA	1	U	-	8		08_DGMW73	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	0	NA	2	U	-	2	U	-	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	0	0.3	J	08_DGMW73	0.3	J	08_DGMW73	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	2	2	0.9	J	08_DGMW73	6		08_DGMW74	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	3	0	0.8	J	08_UGMW29	9		08_DGMW73	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	3	2	NA	0.4	J	08_DGMW73	0.9	J	08_DGMW74	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	0	0	1	U	-	1	U	-	1	40	4
STYRENE	UG/L	3	0	0	1	U	-	1	U	-	1	100	2
TETRACHLOROETHENE	UG/L	3	2	2	1	U	-	8		08_DGMW74	1	5	2
TOLUENE	UG/L	3	1	0	0.7	J	08_UGMW29	0.7	J	08_UGMW29	1	1000	2
TRANS-1,3-DICHLOROPROPENE	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
TRICHLOROETHYLENE	UG/L	3	3	3	20		08_UGMW29	140	D	08_DGMW73	1	5	2
VINYL ACETATE	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA

Table C - 8d

Site 8: 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	2	0	0	0.5	U	-	0.5	U	-	0.5	70	2
2,4,5-T	UG/L	2	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA

Table C - 8d

Site 8: 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	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA
2,4-DB	UG/L	2	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DALAPON	UG/L	2	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DICAMBA	UG/L	2	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DICHLOROPROP	UG/L	2	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DINOSEB	UG/L	2	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA
MCPA	UG/L	2	0	NA	250	U	-	250	U	-	250	NA	NA
MCPP	UG/L	2	0	NA	250	U	-	250	U	-	250	NA	NA
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	3	0	NA	250	U	-	250	U	-	250	NA	NA
TFH GASOLINE	UG/L	3	0	NA	50	U	-	50	U	-	50	NA	NA
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
TRPH	MG/L	3	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 - 9d

Site 9: 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	3	3	NA	156		09_DGMW75	189		09_DBMW45	1	NA	NA
BICARBONATE	MG/L	3	3	NA	191		09_DGMW75	230		09_DBMW45	1	NA	NA
CARBONATE	MG/L	3	3	NA	0		09_DGMW75	0		09_DGMW75	0	NA	NA
CHLORIDE	MG/L	3	3	1	197		09_DBMW45	273		09_DGMW75	0.26	250	3
CYANIDE	UG/L	3	0	NA	3	U	-	3	U	-	3	NA	NA
NITRATE/NITRITE-N	MG/L	3	3	3	18.7		09_DBMW45	23.6		09_DGMW75	0.5	10	1
SULFATE	MG/L	3	3	1	228		09_DBMW45	423		09_DGMW75	0.42	250	3
TOTAL DISSOLVED SOLIDS	MG/L	3	3	3	1050		09_DBMW45	1370		09_DGMW75	3	500	3
METALS													
ALUMINUM	UG/L	3	2	0	31	U	-	44.3	b	09_DGMW75	31	50	3
ANTIMONY	UG/L	3	1	NA	12.1	U	-	14.6	b	09_DGMW75	12.1	NA	NA
ARSENIC	UG/L	3	0	0	0.7	U	-	0.7	U	-	0.7	50	2
BARIUM	UG/L	3	3	0	20.8	b	09_DGMW75	25.5	b	09_DBMW45	0.1	2000	2
BERYLLIUM	UG/L	3	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
CADMIUM	UG/L	3	0	0	1.2	U	-	1.2	U	-	1.2	5	2
CALCIUM	UG/L	3	3	NA	169000		09_DBMW45	216000		09_DGMW75	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	0	0	2.3	U	-	5.9	U	-	5.9	300	3
LEAD	UG/L	3	0	0	0.6	U	-	0.6	U	-	0.6	15	2
MAGNESIUM	UG/L	3	3	NA	43700		09_DBMW45	58900		09_DGMW75	14.3	NA	NA
MANGANESE	UG/L	3	3	0	3.9	b	09_DBMW45	12.1	b	09_DGMW75	0.8	50	3
MERCURY	UG/L	3	1	0	0.1	U	-	0.14	b	09_DGMW75	0.1	2	2
NICKEL	UG/L	3	3	NA	14.8	b	09_DGMW75	22.2	b	09_DBMW45	7.7	NA	NA
POTASSIUM	UG/L	3	3	NA	2300	b	09_DBMW45	2480	b	09_DGMW75	191	NA	NA
SELENIUM	UG/L	3	1	1	20.2	U	-	41.8		09_DGMW75	20.2	10	1
SILVER	UG/L	3	0	0	2.1	U	-	2.1	U	-	2.1	50	1
SODIUM	UG/L	3	3	NA	70100		09_DBMW45	116000		09_DGMW75	12.4	NA	NA
THALLIUM	UG/L	3	0	NA	0.7	U	-	0.7	U	-	0.7	NA	NA
VANADIUM	UG/L	3	3	NA	15.7	b	09_DBMW45	17.4	b	09_DGMW75	1.9	NA	NA
ZINC	UG/L	3	1	0	2.2	U	-	15	b	09_DGMW75	3.5	5000	2

Table C - 8d

Site 8: 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	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA
2,4-DB	UG/L	2	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DALAPON	UG/L	2	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DICAMBA	UG/L	2	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DICHLOROPROP	UG/L	2	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DINOSEB	UG/L	2	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA
MCPA	UG/L	2	0	NA	250	U	-	250	U	-	250	NA	NA
MCPP	UG/L	2	0	NA	250	U	-	250	U	-	250	NA	NA
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	3	0	NA	250	U	-	250	U	-	250	NA	NA
TFH GASOLINE	UG/L	3	0	NA	50	U	-	50	U	-	50	NA	NA
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
TRPH	MG/L	3	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 - 9d

Site 9: 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	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

Table C - 9d

Site 9: 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	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHOXY) METHANE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
CARBAZOLE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
CHRYSENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-BUTYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZOFURAN	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	3	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	3	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	3	0	0	10	U	-	10	U	-	10	5	4

Table C - 9d

Site 9: 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
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	3	0	NA	250	U	-	250	U	-	250	NA	NA
TFH GASOLINE	UG/L	3	2	NA	50	U	-	250		09_DBMW45	50	NA	NA

Table C - 9d

Site 9: 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	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHOXY) METHANE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
CARBAZOLE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
CHRYSENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-BUTYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZOFURAN	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	3	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	3	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	3	0	0	10	U	-	10	U	-	10	5	4

Table C - 10d

Site 10: 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	1	1	NA	189		10_DGMW77	189		10_DGMW77	1	NA	NA
BICARBONATE	MG/L	1	1	NA	230		10_DGMW77	230		10_DGMW77	1	NA	NA
CARBONATE	MG/L	1	1	NA	0		10_DGMW77	0		10_DGMW77	0	NA	NA
CHLORIDE	MG/L	1	1	0	188		10_DGMW77	188		10_DGMW77	0.26	250	3
CYANIDE	UG/L	1	0	NA	3	U	-	3	U	-	3	NA	NA
NITRATE/NITRITE-N	MG/L	1	1	1	15.8		10_DGMW77	15.8		10_DGMW77	0.5	10	1
SULFATE	MG/L	1	1	0	217		10_DGMW77	217		10_DGMW77	0.42	250	3
TOTAL DISSOLVED SOLIDS	MG/L	1	1	1	1030		10_DGMW77	1030		10_DGMW77	3	500	3
METALS													
ALUMINUM	UG/L	1	0	0	31	U	-	31	U	-	31	50	3
ANTIMONY	UG/L	1	0	NA	12.1	U	-	12.1	U	-	12.1	NA	NA
ARSENIC	UG/L	1	1	0	1.5	b	10_DGMW77	1.5	b	10_DGMW77	0.7	50	2
BARIUM	UG/L	1	1	0	32.6	b	10_DGMW77	32.6	b	10_DGMW77	0.1	2000	2
BERYLLIUM	UG/L	1	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
CADMIUM	UG/L	1	0	0	1.2	U	-	1.2	U	-	1.2	5	2
CALCIUM	UG/L	1	1	NA	158000		10_DGMW77	158000		10_DGMW77	103	NA	NA
CHROMIUM	UG/L	1	0	0	3.7	U	-	3.7	U	-	3.7	50	1
COBALT	UG/L	1	0	NA	5.8	U	-	5.8	U	-	5.8	NA	NA
COPPER	UG/L	1	1	0	1.2	b	10_DGMW77	1.2	b	10_DGMW77	0.9	1300	2
IRON	UG/L	1	0	0	28.8	U	-	28.8	U	-	28.8	300	3
LEAD	UG/L	1	0	0	0.6	U	-	0.6	U	-	0.6	15	2
MAGNESIUM	UG/L	1	1	NA	41400		10_DGMW77	41400		10_DGMW77	14.3	NA	NA
MANGANESE	UG/L	1	1	0	19.3		10_DGMW77	19.3		10_DGMW77	0.8	50	3
MERCURY	UG/L	1	0	0	0.1	U	-	0.1	U	-	0.1	2	2
NICKEL	UG/L	1	1	NA	57.3		10_DGMW77	57.3		10_DGMW77	7.7	NA	NA
POTASSIUM	UG/L	1	1	NA	2210	b	10_DGMW77	2210	b	10_DGMW77	191	NA	NA
SELENIUM	UG/L	1	1	1	15.4	b	10_DGMW77	15.4	b	10_DGMW77	0.5	10	1
SILVER	UG/L	1	0	0	2.1	U	-	2.1	U	-	2.1	50	1
SODIUM	UG/L	1	1	NA	70600		10_DGMW77	70600		10_DGMW77	12.4	NA	NA
THALLIUM	UG/L	1	0	NA	0.7	U	-	0.7	U	-	0.7	NA	NA
VANADIUM	UG/L	1	1	NA	16.7	b	10_DGMW77	16.7	b	10_DGMW77	1.9	NA	NA
ZINC	UG/L	1	1	0	11.3	b	10_DGMW77	11.3	b	10_DGMW77	2.2	5000	2
VOLATILE ORGANIC COMPOUNDS													
1,1,1-TRICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	200	2

Table C - 10d

Site 10: 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)
1,1,2,2-TETRACHLOROETHANE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
1,1,2-TRICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	32	1
1,1-DICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	5	1
1,1-DICHLOROETHENE	UG/L	1	1	NA	0.6	J	10_DGMW77	0.6	J	10_DGMW77	1	NA	NA
1,2-DICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	0.5	1
1,2-DICHLOROETHENE (TOTAL)	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROPROPANE	UG/L	1	0	0	1	U	-	1	U	-	1	5	2
2-BUTANONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
2-HEXANONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
4-METHYL-2-PENTANONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
ACETONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
BENZENE	UG/L	1	0	0	1	U	-	1	U	-	1	1	1
BROMODICHLOROMETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
BROMOFORM	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
BROMOMETHANE (METHYL BROMIDE)	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
CARBON DISULFIDE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
CARBON TETRACHLORIDE	UG/L	1	1	1	2		10_DGMW77	2		10_DGMW77	1	0.5	1
CHLOROBENZENE	UG/L	1	0	0	1	U	-	1	U	-	1	30	1
CHLORODIBROMOMETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
CHLOROETHANE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
CHLOROFORM	UG/L	1	1	0	1		10_DGMW77	1		10_DGMW77	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	1	1	NA	1	J	10_DGMW77	1	J	10_DGMW77	2	NA	NA
CIS-1,3-DICHLOROPROPENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
ETHYLBENZENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
METHYLENE CHLORIDE	UG/L	1	0	0	1	U	-	1	U	-	1	40	4
STYRENE	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
TETRACHLOROETHENE	UG/L	1	1	1	8		10_DGMW77	8		10_DGMW77	1	5	2
TOLUENE	UG/L	1	0	0	1	U	-	1	U	-	1	1000	2
TRANS-1,3-DICHLOROPROPENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
TRICHLOROETHYLENE	UG/L	1	1	1	35	D	10_DGMW77	35	D	10_DGMW77	1	5	2
VINYL ACETATE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
VINYL CHLORIDE	UG/L	1	0	0	2	U	-	2	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
SEMIVOLATILE ORGANIC COMPOUNDS													
1,2,4-TRICHLOROBENZENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 10d

Site 10: 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)
1,2-DICHLOROBENZENE	UG/L	1	0	0	10	U	-	10	U	-	10	600	2
1,3-DICHLOROBENZENE	UG/L	1	0	0	10	U	-	10	U	-	10	600	2
1,4-DICHLOROBENZENE	UG/L	1	0	0	10	U	-	10	U	-	10	5	1
2,4,5-TRICHLOROPHENOL	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
2,4,6-TRICHLOROPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DICHLOROPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DIMETHYLPHENOL	UG/L	1	0	0	10	U	-	10	U	-	10	400	4
2,4-DINITROPHENOL	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
2,4-DINITROTOLUENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2,6-DINITROTOLUENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLORONAPHTHALENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLOROPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLNAPHTHALENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-NITROANILINE	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
2-NITROPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
3,3'-DICHLOROBENZIDINE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
3-NITROANILINE	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
4,6-DINITRO-2-METHYLPHENOL	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
4-BROMOPHENYL PHENYL ETHER	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLORO-3-METHYLPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROANILINE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROPHENYL PHENYL ETHER	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-METHYLPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-NITROANILINE	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
4-NITROPHENOL	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
ACENAPHTHENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
ACENAPHTHYLENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
ANTHRACENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)ANTHRACENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	1	1	NA	19		10_DGMW77	19		10_DGMW77	10	NA	NA

Table C - 10d

Site 10: 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)
1,1,2,2-TETRACHLOROETHANE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
1,1,2-TRICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	32	1
1,1-DICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	5	1
1,1-DICHLOROETHENE	UG/L	1	1	NA	0.6	J	10_DGMW77	0.6	J	10_DGMW77	1	NA	NA
1,2-DICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	0.5	1
1,2-DICHLOROETHENE (TOTAL)	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROPROPANE	UG/L	1	0	0	1	U	-	1	U	-	1	5	2
2-BUTANONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
2-HEXANONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
4-METHYL-2-PENTANONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
ACETONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
BENZENE	UG/L	1	0	0	1	U	-	1	U	-	1	1	1
BROMODICHLOROMETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
BROMOFORM	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
BROMOMETHANE (METHYL BROMIDE)	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
CARBON DISULFIDE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
CARBON TETRACHLORIDE	UG/L	1	1	1	2		10_DGMW77	2		10_DGMW77	1	0.5	1
CHLOROBENZENE	UG/L	1	0	0	1	U	-	1	U	-	1	30	1
CHLORODIBROMOMETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
CHLOROETHANE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
CHLOROFORM	UG/L	1	1	0	1		10_DGMW77	1		10_DGMW77	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	1	1	NA	1	J	10_DGMW77	1	J	10_DGMW77	2	NA	NA
CIS-1,3-DICHLOROPROPENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
ETHYLBENZENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
METHYLENE CHLORIDE	UG/L	1	0	0	1	U	-	1	U	-	1	40	4
STYRENE	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
TETRACHLOROETHENE	UG/L	1	1	1	8		10_DGMW77	8		10_DGMW77	1	5	2
TOLUENE	UG/L	1	0	0	1	U	-	1	U	-	1	1000	2
TRANS-1,3-DICHLOROPROPENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
TRICHLOROETHYLENE	UG/L	1	1	1	35	D	10_DGMW77	35	D	10_DGMW77	1	5	2
VINYL ACETATE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
VINYL CHLORIDE	UG/L	1	0	0	2	U	-	2	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
SEMIVOLATILE ORGANIC COMPOUNDS													
1,2,4-TRICHLOROBENZENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 10d

Site 10: 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)
BHC-BETA	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.3	4
BHC-DELTA	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-GAMMA(LINDANE)	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
DIELDRIN	UG/L	1	0	0	0.1	U	-	0.1	U	-	0.1	0.05	4
ENDOSULFAN I	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
ENDOSULFAN II	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDOSULFAN SULFATE	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN	UG/L	1	0	0	0.1	U	-	0.1	U	-	0.1	0.2	2
ENDRIN ALDEHYDE	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN KETONE	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
GAMMA-CHLORDANE	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
HEPTACHLOR	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
HEPTACHLOR EPOXIDE	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
METHOXYCHLOR	UG/L	1	0	0	0.5	U	-	0.5	U	-	0.5	40	2
PCB-1016	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1221	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
PCB-1232	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1242	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1248	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1254	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1260	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
TOXAPHENE	UG/L	1	0	0	5	U	-	5	U	-	5	3	2
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	1	0	NA	250	U	-	250	U	-	250	NA	NA
TFH GASOLINE	UG/L	1	0	NA	50	U	-	50	U	-	50	NA	NA
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
TRPH	MG/L	1	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 - 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)
GENERAL CHEMISTRY													
ALKALINITY AS CACO3	MG/L	2	2	NA	163		12_DBMW48	188		12_UGMW31	1	NA	NA
BICARBONATE	MG/L	2	2	NA	199		12_DBMW48	229		12_UGMW31	1	NA	NA
CARBONATE	MG/L	1	1	NA	0		12_DBMW48	0		12_DBMW48	0	NA	NA
CHLORIDE	MG/L	2	2	1	211		12_UGMW31	401		12_DBMW48	0.65	250	3
CYANIDE	UG/L	2	0	NA	3	U	-	3	U	-	3	NA	NA
NITRATE/NITRITE-N	MG/L	2	2	2	22.5	J	12_UGMW31	22.9		12_DBMW48	2.5	10	1
SULFATE	MG/L	2	2	2	263		12_UGMW31	549		12_DBMW48	0.21	250	3
TOTAL DISSOLVED SOLIDS	MG/L	2	2	2	1100		12_UGMW31	1800		12_DBMW48	3	500	3
METALS													
ALUMINUM	UG/L	2	2	1	34.6	J	12_DBMW48	60.2	b	12_UGMW31	31	50	3
ANTIMONY	UG/L	2	2	NA	18	b	12_DBMW48	22.2	b	12_UGMW31	12.1	NA	NA
ARSENIC	UG/L	2	0	0	0.7	U	-	0.7	U	-	0.7	50	2
BARIUM	UG/L	2	2	0	26.7	b	12_DBMW48	27.6	b	12_UGMW31	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	-	2	b	12_DBMW48	1.2	5	2
CALCIUM	UG/L	2	2	NA	177000		12_UGMW31	316000		12_DBMW48	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	0	0	0.9	U	-	0.9	U	-	0.9	1300	2
IRON	UG/L	2	2	0	20.6	b	12_UGMW31	101		12_DBMW48	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	50700		12_UGMW31	79000		12_DBMW48	14.3	NA	NA
MANGANESE	UG/L	2	2	0	22.3		12_DBMW48	33.4		12_UGMW31	0.8	50	3
MERCURY	UG/L	2	1	0	0.1	U	-	0.1	b	12_DBMW48	0.1	2	2
NICKEL	UG/L	2	2	NA	12.1	b	12_UGMW31	120		12_DBMW48	7.7	NA	NA
POTASSIUM	UG/L	2	2	NA	2510	b	12_UGMW31	2940	b	12_DBMW48	191	NA	NA
SELENIUM	UG/L	2	2	2	20.5		12_UGMW31	56.7		12_DBMW48	0.5	10	1
SILVER	UG/L	2	0	0	2.1	U	-	2.1	U	-	2.1	50	1
SODIUM	UG/L	2	2	NA	77100		12_UGMW31	110000		12_DBMW48	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	14.9	b	12_UGMW31	15.3	b	12_DBMW48	1.9	NA	NA
ZINC	UG/L	2	1	0	2.5	U	-	5.4	b	12_UGMW31	2.2	5000	2

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)
VINYL CHLORIDE	UG/L	2	0	0	2	U	-	2	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
SEMIVOLATILE ORGANIC COMPOUNDS													
1,2,4-TRICHLOROBENZENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
1,2-DICHLOROBENZENE	UG/L	2	0	0	10	U	-	10	U	-	10	600	2
1,3-DICHLOROBENZENE	UG/L	2	0	0	10	U	-	10	U	-	10	600	2
1,4-DICHLOROBENZENE	UG/L	2	0	0	10	U	-	10	U	-	10	5	1
2,4,5-TRICHLOROPHENOL	UG/L	2	0	NA	25	U	-	25	U	-	25	NA	NA
2,4,6-TRICHLOROPHENOL	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DICHLOROPHENOL	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
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

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)
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
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

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)
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
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
HERBICIDES													
2,4 DICHLOROPHENOXY ACETIC ACID	UG/L	2	1	0	0.5	U	-	8.56		12_UGMW31	0.5	70	2
2,4,5-T	UG/L	2	1	NA	0.25	U	-	2.51		12_UGMW31	0.2	NA	NA

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)
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
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

Table C - 13d

Site 13: 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	3	3	NA	273		13_DGMW78	398		13_DBMW49	1	NA	NA
BICARBONATE	MG/L	3	3	NA	333		13_DGMW78	484		13_DBMW49	1	NA	NA
CARBONATE	MG/L	3	3	NA	0		13_UGMW32	0		13_UGMW32	0	NA	NA
CHLORIDE	MG/L	3	3	2	184		13_UGMW32	522		13_DGMW78	0.65	250	3
CYANIDE	UG/L	3	0	NA	3	U	-	3	U	-	3	NA	NA
NITRATE/NITRITE-N	MG/L	3	3	2	9.82		13_UGMW32	28.7		13_DGMW78	0.5	10	1
SULFATE	MG/L	3	3	3	511		13_UGMW32	1040		13_DGMW78	1.1	250	3
TOTAL DISSOLVED SOLIDS	MG/L	3	3	3	1540		13_UGMW32	2910		13_DGMW78	3	500	3
METALS													
ALUMINUM	UG/L	3	1	1	31	U	-	51.9	b	13_DGMW78	31	50	3
ANTIMONY	UG/L	3	3	NA	17.4	b	13_UGMW32	23.7	b	13_DGMW78	12.1	NA	NA
ARSENIC	UG/L	3	0	0	0.7	U	-	0.7	U	-	0.7	50	2
BARIUM	UG/L	3	3	0	23.6	b	13_DGMW78	34.3	b	13_DBMW49	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	1	1.2	U	-	8		13_DGMW78	1.2	5	2
CALCIUM	UG/L	3	3	NA	202000		13_UGMW32	383000		13_DGMW78	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	2	0	0.9	U	-	4.8	b	13_UGMW32	0.9	1300	2
IRON	UG/L	3	1	0	2.3	U	-	17.3	b	13_DGMW78	2.3	300	3
LEAD	UG/L	3	0	0	0.6	U	-	0.6	U	-	0.6	15	2
MAGNESIUM	UG/L	3	3	NA	96400		13_UGMW32	199000		13_DGMW78	14.3	NA	NA
MANGANESE	UG/L	3	3	3	85.5		13_UGMW32	1800		13_DGMW78	0.8	50	3
MERCURY	UG/L	3	1	0	0.1	U	-	0.16	b	13_DGMW78	0.1	2	2
NICKEL	UG/L	3	1	NA	7.7	U	-	27.2	b	13_DGMW78	7.7	NA	NA
POTASSIUM	UG/L	3	3	NA	4330	b	13_UGMW32	4860	b	13_DBMW49*	191	NA	NA
SELENIUM	UG/L	3	3	3	19.3		13_UGMW32	152		13_DGMW78	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	99800		13_UGMW32	177000		13_DGMW78	12.4	NA	NA
THALLIUM	UG/L	3	0	NA	0.7	U	-	0.7	U	-	0.7	NA	NA
VANADIUM	UG/L	3	3	NA	16	b	13_DGMW78	24	b	13_DBMW49	1.9	NA	NA
ZINC	UG/L	3	2	0	5	U	-	38.4		13_DGMW78	5	5000	2
VOLATILE ORGANIC COMPOUNDS													
1,1,1-TRICHLOROETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	200	2

Table C - 13d

Site 13: 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)
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	0	NA	2	U	-	2	U	-	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	3	3	23		13_DBMW49	730	D	13_UGMW32	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	1	NA	2	U	-	6		13_DBMW49	2	NA	NA
CIS-1,3-DICHLOROPROPENE	UG/L	3	0	NA	1	U	-	1	U	-	1	NA	NA
ETHYLBENZENE	UG/L	3	1	NA	1	U	-	2		13_DGMW78	1	NA	NA
METHYLENE CHLORIDE	UG/L	3	0	0	1	U	-	6	U	-	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	1	0	1	U	-	2		13_UGMW32	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
VINYL CHLORIDE	UG/L	3	0	0	2	U	-	2	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	3	3	NA	5		13_DBMW49	58		13_UGMW32	1	NA	NA
SEMIVOLATILE ORGANIC COMPOUNDS													
1,2,4-TRICHLOROBENZENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 13d

Site 13: 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)
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
BENZO(A)ANTHRACENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 13d

Site 13: 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)
BIS(2-CHLOROETHOXY) METHANE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	3	1	NA	10	U	-	26		13_UGMW32	10	NA	NA
CARBAZOLE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
CHRYSENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-BUTYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZOFURAN	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	3	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	3	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	3	0	0	10	U	-	10	U	-	10	5	4
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

Table C - 13d

Site 13: 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)
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
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	3	2	NA	250	U	-	436		13_DGMW78	250	NA	NA
TFH GASOLINE	UG/L	3	3	NA	68.1		13_DBMW49	1690		13_UGMW32	50	NA	NA
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
TRPH	MG/L	3	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 - 14d

Site 14: 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	246		14_DBMW50	328		14_DGMW79	1	NA	NA
BICARBONATE	MG/L	2	2	NA	300		14_DBMW50	400		14_DGMW79	1	NA	NA
CARBONATE	MG/L	2	2	NA	0		14_DBMW50	0		14_DBMW50	0	NA	NA
CHLORIDE	MG/L	2	2	2	304		14_DBMW50	313		14_DGMW79	0.65	250	3
CYANIDE	UG/L	2	1	NA	3	B	14_DGMW79	3	B	14_DGMW79	3	NA	NA
NITRATE/NITRITE-N	MG/L	2	2	2	10.9		14_DGMW79	22.2		14_DBMW50	0.38	10	1
SULFATE	MG/L	2	2	2	670		14_DBMW50	907		14_DGMW79	1.1	250	3
TOTAL DISSOLVED SOLIDS	MG/L	2	2	2	1920		14_DBMW50	2330		14_DGMW79	6	500	3
METALS													
ALUMINUM	UG/L	2	1	1	31	U	-	68.4	b	14_DBMW50	31	50	3
ANTIMONY	UG/L	2	2	NA	19	b	14_DGMW79	28	b	14_DBMW50	12.1	NA	NA
ARSENIC	UG/L	2	0	0	0.7	U	-	0.7	U	-	0.7	50	2
BARIUM	UG/L	2	2	0	21.1	b	14_DGMW79	32.4	b	14_DBMW50	0.1	2000	2
BERYLLIUM	UG/L	2	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
CADMIUM	UG/L	2	2	0	1.4	b	14_DGMW79	3.9	b	14_DBMW50	1.2	5	2
CALCIUM	UG/L	2	2	NA	275000		14_DBMW50	307000		14_DGMW79	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	1.3	b	14_DGMW79	2.9	b	14_DBMW50	0.9	1300	2
IRON	UG/L	2	1	0	2.3	U	-	5.9	b	14_DGMW79	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	102000		14_DBMW50	127000		14_DGMW79	14.3	NA	NA
MANGANESE	UG/L	2	2	2	119		14_DGMW79	542		14_DBMW50	0.8	50	3
MERCURY	UG/L	2	1	0	0.1	U	-	0.12	b	14_DBMW50	0.1	2	2
NICKEL	UG/L	2	2	NA	10.5	b	14_DGMW79	27.2	b	14_DBMW50	7.7	NA	NA
POTASSIUM	UG/L	2	2	NA	4450	b	14_DBMW50	4580	b	14_DGMW79	191	NA	NA
SELENIUM	UG/L	2	2	1	6	J	14_DGMW79	38.4		14_DBMW50	0.5	10	1
SILVER	UG/L	2	1	0	2.1	U	-	2.4	b	14_DBMW50	2.1	50	1
SODIUM	UG/L	2	2	NA	139000		14_DBMW50	172000		14_DGMW79	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	16.7	b	14_DGMW79	18.5	b	14_DBMW50	1.9	NA	NA
ZINC	UG/L	2	2	0	69.1		14_DGMW79	72.2		14_DBMW50	2.2	5000	2
VOLATILE ORGANIC COMPOUNDS													
1,1,1-TRICHLOROETHANE	UG/L	2	0	0	1	U	-	1	U	-	1	200	2

Table C - 14d

Site 14: 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)
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
1,1-DICHLOROETHENE	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROETHANE	UG/L	2	0	0	1	U	-	1	U	-	1	0.5	1
1,2-DICHLOROETHENE (TOTAL)	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROPROPANE	UG/L	2	0	0	1	U	-	1	U	-	1	5	2
2-BUTANONE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
2-HEXANONE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
4-METHYL-2-PENTANONE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
ACETONE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
BENZENE	UG/L	2	0	0	1	U	-	1	U	-	1	1	1
BROMODICHLOROMETHANE	UG/L	2	0	0	1	U	-	1	U	-	1	100	2
BROMOFORM	UG/L	2	0	0	1	U	-	1	U	-	1	100	2
BROMOMETHANE (METHYL BROMIDE)	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
CARBON DISULFIDE	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
CARBON TETRACHLORIDE	UG/L	2	2	2	5		14_DGMW79	19		14_DBMW50	1	0.5	1
CHLOROBENZENE	UG/L	2	0	0	1	U	-	1	U	-	1	30	1
CHLORODIBROMOMETHANE	UG/L	2	0	0	1	U	-	1	U	-	1	100	2
CHLOROETHANE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
CHLOROFORM	UG/L	2	2	0	9		14_DBMW50	12		14_DGMW79	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
CIS-1,3-DICHLOROPROPENE	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
ETHYLBENZENE	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
METHYLENE CHLORIDE	UG/L	2	0	0	1	U	-	1	U	-	1	40	4
STYRENE	UG/L	2	0	0	1	U	-	1	U	-	1	100	2
TETRACHLOROETHENE	UG/L	2	0	0	1	U	-	1	U	-	1	5	2
TOLUENE	UG/L	2	0	0	1	U	-	1	U	-	1	1000	2
TRANS-1,3-DICHLOROPROPENE	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
TRICHLOROETHYLENE	UG/L	2	2	0	2		14_DBMW50	2		14_DBMW50	1	5	2
VINYL ACETATE	UG/L	2	0	NA	2	U	-	2	U	-	2	NA	NA
VINYL CHLORIDE	UG/L	2	0	0	2	U	-	2	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	2	0	NA	1	U	-	1	U	-	1	NA	NA
SEMIVOLATILE ORGANIC COMPOUNDS													
1,2,4-TRICHLOROBENZENE	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 14d

Site 14: 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)
1,2-DICHLOROBENZENE	UG/L	2	0	0	10	U	-	10	U	-	10	600	2
1,3-DICHLOROBENZENE	UG/L	2	0	0	10	U	-	10	U	-	10	600	2
1,4-DICHLOROBENZENE	UG/L	2	0	0	10	U	-	10	U	-	10	5	1
2,4,5-TRICHLOROPHENOL	UG/L	2	0	NA	25	U	-	25	U	-	25	NA	NA
2,4,6-TRICHLOROPHENOL	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DICHLOROPHENOL	UG/L	2	0	NA	10	U	-	10	U	-	10	NA	NA
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

Table C - 14d

Site 14: 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)
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
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

Table C - 14d

Site 14: 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)
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
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

(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 - 15d

Site 15: 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	1	1	NA	252		15_DBMW51	252		15_DBMW51	1	NA	NA
BICARBONATE	MG/L	1	1	NA	307		15_DBMW51	307		15_DBMW51	1	NA	NA
CARBONATE	MG/L	1	1	NA	0		15_DBMW51	0		15_DBMW51	0	NA	NA
CHLORIDE	MG/L	1	1	1	1570		15_DBMW51	1570		15_DBMW51	1.3	250	3
CYANIDE	UG/L	1	0	NA	3	U	-	3	U	-	3	NA	NA
NITRATE/NITRITE-N	MG/L	1	1	1	63.4		15_DBMW51	63.4		15_DBMW51	2.5	10	1
SULFATE	MG/L	1	1	1	1470		15_DBMW51	1470		15_DBMW51	2.1	250	3
TOTAL DISSOLVED SOLIDS	MG/L	1	1	1	5260		15_DBMW51	5260		15_DBMW51	12	500	3
METALS													
ALUMINUM	UG/L	1	0	0	31	U	-	31	U	-	31	50	3
ANTIMONY	UG/L	1	1	NA	40.7	b	15_DBMW51	40.7	b	15_DBMW51	12.1	NA	NA
ARSENIC	UG/L	1	0	0	0.7	U	-	0.7	U	-	0.7	50	2
BARIUM	UG/L	1	1	0	38.3	b	15_DBMW51	38.3	b	15_DBMW51	0.1	2000	2
BERYLLIUM	UG/L	1	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
CADMIUM	UG/L	1	1	0	3.9	b	15_DBMW51	3.9	b	15_DBMW51	1.2	5	2
CALCIUM	UG/L	1	1	NA	869000		15_DBMW51	869000		15_DBMW51	103	NA	NA
CHROMIUM	UG/L	1	0	0	3.7	U	-	3.7	U	-	3.7	50	1
COBALT	UG/L	1	0	NA	5.8	U	-	5.8	U	-	5.8	NA	NA
COPPER	UG/L	1	0	0	0.9	U	-	0.9	U	-	0.9	1300	2
IRON	UG/L	1	1	0	69.8	b	15_DBMW51	69.8	b	15_DBMW51	2.3	300	3
LEAD	UG/L	1	0	0	3	U	-	3	U	-	0.6	15	2
MAGNESIUM	UG/L	1	1	NA	351000		15_DBMW51	351000		15_DBMW51	14.3	NA	NA
MANGANESE	UG/L	1	1	1	296		15_DBMW51	296		15_DBMW51	0.8	50	3
MERCURY	UG/L	1	0	0	0.1	U	-	0.1	U	-	0.1	2	2
NICKEL	UG/L	1	1	NA	13.6	b	15_DBMW51	13.6	b	15_DBMW51	7.7	NA	NA
POTASSIUM	UG/L	1	1	NA	7200		15_DBMW51	7200		15_DBMW51	191	NA	NA
SELENIUM	UG/L	1	1	1	108		15_DBMW51	108		15_DBMW51	0.5	10	1
SILVER	UG/L	1	0	0	2.1	U	-	2.1	U	-	2.1	50	1
SODIUM	UG/L	1	1	NA	244000		15_DBMW51	244000		15_DBMW51	12.4	NA	NA
THALLIUM	UG/L	1	0	NA	1.3	U	-	1.3	U	-	1.3	NA	NA
VANADIUM	UG/L	1	1	NA	18.7	b	15_DBMW51	18.7	b	15_DBMW51	1.9	NA	NA
ZINC	UG/L	1	1	0	232		15_DBMW51	232		15_DBMW51	2.2	5000	2
VOLATILE ORGANIC COMPOUNDS													
1,1,1-TRICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	200	2

Table C - 15d

Site 15: 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)
1,1,2,2-TETRACHLOROETHANE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
1,1,2-TRICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	32	1
1,1-DICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	5	1
1,1-DICHLOROETHENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	0.5	1
1,2-DICHLOROETHENE (TOTAL)	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROPROPANE	UG/L	1	0	0	1	U	-	1	U	-	1	5	2
2-BUTANONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
2-HEXANONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
4-METHYL-2-PENTANONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
ACETONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
BENZENE	UG/L	1	1	1	120	D	15_DBMW51	120	D	15_DBMW51	1	1	1
BROMODICHLOROMETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
BROMOFORM	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
BROMOMETHANE (METHYL BROMIDE)	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
CARBON DISULFIDE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
CARBON TETRACHLORIDE	UG/L	1	0	0	1	U	-	1	U	-	1	0.5	1
CHLOROBENZENE	UG/L	1	0	0	1	U	-	1	U	-	1	30	1
CHLORODIBROMOMETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
CHLOROETHANE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
CHLOROFORM	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
CIS-1,3-DICHLOROPROPENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
ETHYLBENZENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
METHYLENE CHLORIDE	UG/L	1	0	0	1	U	-	1	U	-	1	40	4
STYRENE	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
TETRACHLOROETHENE	UG/L	1	0	0	1	U	-	1	U	-	1	5	2
TOLUENE	UG/L	1	0	0	1	U	-	1	U	-	1	1000	2
TRANS-1,3-DICHLOROPROPENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
TRICHLOROETHYLENE	UG/L	1	0	0	1	U	-	1	U	-	1	5	2
VINYL ACETATE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
VINYL CHLORIDE	UG/L	1	0	0	2	U	-	2	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	1	1	NA	36		15_DBMW51	36		15_DBMW51	1	NA	NA
SEMIVOLATILE ORGANIC COMPOUNDS													
1,2,4-TRICHLOROBENZENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 15d

Site 15: 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)
1,2-DICHLOROBENZENE	UG/L	1	0	0	10	U	-	10	U	-	10	600	2
1,3-DICHLOROBENZENE	UG/L	1	0	0	10	U	-	10	U	-	10	600	2
1,4-DICHLOROBENZENE	UG/L	1	0	0	10	U	-	10	U	-	10	5	1
2,4,5-TRICHLOROPHENOL	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
2,4,6-TRICHLOROPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DICHLOROPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DIMETHYLPHENOL	UG/L	1	0	0	10	U	-	10	U	-	10	400	4
2,4-DINITROPHENOL	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
2,4-DINITROTOLUENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2,6-DINITROTOLUENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLORONAPHTHALENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLOROPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLNAPHTHALENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-NITROANILINE	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
2-NITROPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
3,3'-DICHLOROBENZIDINE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
3-NITROANILINE	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
4,6-DINITRO-2-METHYLPHENOL	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
4-BROMOPHENYL PHENYL ETHER	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLORO-3-METHYLPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROANILINE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROPHENYL PHENYL ETHER	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-METHYLPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-NITROANILINE	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
4-NITROPHENOL	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
ACENAPHTHENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
ACENAPHTHYLENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
ANTHRACENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)ANTHRACENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 15d

Site 15: 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)
BIS(2-CHLOROETHOXY) METHANE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
CARBAZOLE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
CHRYSENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-BUTYL PHTHALATE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZOFURAN	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	1	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	1	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	1	0	0	10	U	-	10	U	-	10	5	4
PYRENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
PESTICIDES AND PCBs													
4,4'-DDD	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDE	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDT	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ALDRIN	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.05	4
ALPHA-CHLORDANE	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-ALPHA	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.7	4

Table C - 15d

Site 15: 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)
BHC-BETA	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.3	4
BHC-DELTA	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-GAMMA(LINDANE)	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
DIELDRIN	UG/L	1	0	0	0.1	U	-	0.1	U	-	0.1	0.05	4
ENDOSULFAN I	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
ENDOSULFAN II	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDOSULFAN SULFATE	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN	UG/L	1	0	0	0.1	U	-	0.1	U	-	0.1	0.2	2
ENDRIN ALDEHYDE	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN KETONE	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
GAMMA-CHLORDANE	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
HEPTACHLOR	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
HEPTACHLOR EPOXIDE	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
METHOXYCHLOR	UG/L	1	0	0	0.5	U	-	0.5	U	-	0.5	40	2
PCB-1016	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1221	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
PCB-1232	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1242	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1248	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1254	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1260	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
TOXAPHENE	UG/L	1	0	0	5	U	-	5	U	-	5	3	2
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	1	1	NA	3370		15_DBMW51	3370		15_DBMW51	250	NA	NA
TFH GASOLINE	UG/L	1	1	NA	348		15_DBMW51	348		15_DBMW51	50	NA	NA
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
TRPH	MG/L	1	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 - 16d

Site 16: 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	3	3	NA	162		16_DGMW81	265		16_UGMW33	1	NA	NA
BICARBONATE	MG/L	3	3	NA	198		16_DGMW81	323		16_UGMW33	1	NA	NA
CARBONATE	MG/L	3	3	NA	0		16_UGMW33	0		16_UGMW33	0	NA	NA
CHLORIDE	MG/L	3	3	2	19.5		16_UGMW33	412		16_DGMW81	0.32	250	3
CYANIDE	UG/L	3	0	NA	3	U	-	3	U	-	3	NA	NA
NITRATE/NITRITE-N	MG/L	3	3	2	5.21		16_UGMW33	25.1		16_DGMW81	0.05	10	1
SULFATE	MG/L	3	3	2	201		16_UGMW33	660		16_DGMW81	0.53	250	3
TOTAL DISSOLVED SOLIDS	MG/L	3	3	3	639		16_UGMW33	2040		16_DGMW81	3	500	3
METALS													
ALUMINUM	UG/L	3	2	0	31	U	-	49.1	b	16_DBMW52	31	50	3
ANTIMONY	UG/L	3	3	NA	15.6	b	16_UGMW33	20.5	b	16_DBMW52	12.1	NA	NA
ARSENIC	UG/L	3	1	0	0.7	U	-	17		16_UGMW33	0.7	50	2
BARIUM	UG/L	3	3	0	22.5	b	16_UGMW33	37.3	b	16_DGMW81	0.1	2000	2
BERYLLIUM	UG/L	3	0	NA	0.5	U	-	0.53	U	-	0.5	NA	NA
CADMIUM	UG/L	3	2	1	1.2	U	-	8.7		16_DBMW52	1.2	5	2
CALCIUM	UG/L	3	3	NA	65400		16_UGMW33	241000		16_DGMW81	103	NA	NA
CHROMIUM	UG/L	3	0	0	3.7	U	-	3.7	U	-	3.7	50	1
COBALT	UG/L	3	1	NA	5.8	U	-	6.6	b	16_DBMW52	5.8	NA	NA
COPPER	UG/L	3	1	0	0.9	U	-	2.1	b	16_UGMW33	0.9	1300	2
IRON	UG/L	3	0	0	2.3	U	-	14	U	-	2.3	300	3
LEAD	UG/L	3	0	0	0.6	U	-	0.6	U	-	0.6	15	2
MAGNESIUM	UG/L	3	3	NA	37400		16_UGMW33	112000		16_DGMW81	14.3	NA	NA
MANGANESE	UG/L	3	3	2	5.1	b	16_UGMW33	157		16_DBMW52	0.8	50	3
MERCURY	UG/L	3	1	0	0.1	U	-	0.1	b	16_DGMW81	0.1	2	2
NICKEL	UG/L	3	2	NA	7.7	U	-	497		16_DBMW52	7.7	NA	NA
POTASSIUM	UG/L	3	3	NA	3410	b	16_UGMW33	5310		16_DGMW81	191	NA	NA
SELENIUM	UG/L	3	2	2	25.2	U	-	144		16_DGMW81	25.2	10	1
SILVER	UG/L	3	1	0	2.1	U	-	2.3	b	16_DGMW81	2.1	50	1
SODIUM	UG/L	3	3	NA	88700		16_UGMW33	166000		16_DGMW81	12.4	NA	NA
THALLIUM	UG/L	3	0	NA	0.7	U	-	0.7	U	-	0.7	NA	NA
VANADIUM	UG/L	3	3	NA	8.6	b	16_DBMW52	20.8	b	16_UGMW33	1.9	NA	NA
ZINC	UG/L	3	1	0	2.2	U	-	15	J	16_UGMW33	2.2	5000	2
VOLATILE ORGANIC COMPOUNDS													
1,1,1-TRICHLOROETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	200	2

Table C - 16d

Site 16: 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)
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	0	NA	2	U	-	2	U	-	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	0	0	1	U	-	1	U	-	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	1	0	0.4	J	16_UGMW33	0.4	J	16_UGMW33	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	0.5	J	16_UGMW33	0.5	J	16_UGMW33	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
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

Table C - 16d

Site 16: 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)
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
BENZO(A)ANTHRACENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 16d

Site 16: 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)
BIS(2-CHLOROETHOXY) METHANE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
CARBAZOLE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
CHRYSENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-BUTYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZOFURAN	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	3	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	3	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	3	0	0	10	U	-	10	U	-	10	5	4
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

Table C - 16d

Site 16: 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)
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
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	3	0	NA	250	U	-	250	U	-	250	NA	NA
TFH GASOLINE	UG/L	3	0	NA	50	U	-	50	U	-	50	NA	NA
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
TRPH	MG/L	3	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 - 17d

Site 17: 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	1	1	NA	155		17_DGMW82	155		17_DGMW82	1	NA	NA
BICARBONATE	MG/L	1	1	NA	155		17_DGMW82	155		17_DGMW82	1	NA	NA
CARBONATE	MG/L	1	1	NA	0		17_DGMW82	0		17_DGMW82	0	NA	NA
CHLORIDE	MG/L	1	1	0	101		17_DGMW82	101		17_DGMW82	0.26	250	3
CYANIDE	UG/L	1	0	NA	3	U	-	3	U	-	3	NA	NA
NITRATE/NITRITE-N	MG/L	1	1	0	0.91		17_DGMW82	0.91		17_DGMW82	0.05	10	1
SULFATE	MG/L	1	1	1	315		17_DGMW82	315		17_DGMW82	0.42	250	3
TOTAL DISSOLVED SOLIDS	MG/L	1	1	1	817		17_DGMW82	817		17_DGMW82	3	500	3
METALS													
ALUMINUM	UG/L	1	1	0	40.5	b	17_DGMW82	40.5	b	17_DGMW82	31	50	3
ANTIMONY	UG/L	1	0	NA	12.1	U	-	12.1	U	-	12.1	NA	NA
ARSENIC	UG/L	1	1	0	5.6	b	17_DGMW82	5.6	b	17_DGMW82	0.7	50	2
BARIUM	UG/L	1	1	0	30.8	b	17_DGMW82	30.8	b	17_DGMW82	0.1	2000	2
BERYLLIUM	UG/L	1	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
CADMIUM	UG/L	1	0	0	1.2	U	-	1.2	U	-	1.2	5	2
CALCIUM	UG/L	1	1	NA	83700		17_DGMW82	83700		17_DGMW82	103	NA	NA
CHROMIUM	UG/L	1	0	0	3.7	U	-	3.7	U	-	3.7	50	1
COBALT	UG/L	1	0	NA	5.8	U	-	5.8	U	-	5.8	NA	NA
COPPER	UG/L	1	1	0	3.8	b	17_DGMW82	3.8	b	17_DGMW82	0.9	1300	2
IRON	UG/L	1	0	0	2.3	U	-	2.3	U	-	2.3	300	3
LEAD	UG/L	1	0	0	0.6	U	-	0.6	U	-	0.6	15	2
MAGNESIUM	UG/L	1	1	NA	32400		17_DGMW82	32400		17_DGMW82	14.3	NA	NA
MANGANESE	UG/L	1	1	1	51.3		17_DGMW82	51.3		17_DGMW82	0.8	50	3
MERCURY	UG/L	1	0	0	0.1	U	-	0.1	U	-	0.1	2	2
NICKEL	UG/L	1	0	NA	7.7	U	-	7.7	U	-	7.7	NA	NA
POTASSIUM	UG/L	1	1	NA	5830		17_DGMW82	5830		17_DGMW82	191	NA	NA
SELENIUM	UG/L	1	1	0	9	b	17_DGMW82	9	b	17_DGMW82	0.5	10	1
SILVER	UG/L	1	0	0	2.1	U	-	2.1	U	-	2.1	50	1
SODIUM	UG/L	1	1	NA	124000		17_DGMW82	124000		17_DGMW82	12.4	NA	NA
THALLIUM	UG/L	1	1	NA	0.8	b	17_DGMW82	0.8	b	17_DGMW82	0.7	NA	NA
VANADIUM	UG/L	1	1	NA	7.2	b	17_DGMW82	7.2	b	17_DGMW82	1.9	NA	NA
ZINC	UG/L	1	1	0	31.4		17_DGMW82	31.4		17_DGMW82	2.2	5000	2

Table C - 17d

Site 17: 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	1	0	0	1	U	-	1	U	-	1	200	2
1,1,2,2-TETRACHLOROETHANE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
1,1,2-TRICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	32	1
1,1-DICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	5	1
1,1-DICHLOROETHENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	0.5	1
1,2-DICHLOROETHENE (TOTAL)	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROPROPANE	UG/L	1	0	0	1	U	-	1	U	-	1	5	2
2-BUTANONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
2-HEXANONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
4-METHYL-2-PENTANONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
ACETONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
BENZENE	UG/L	1	0	0	1	U	-	1	U	-	1	1	1
BROMODICHLOROMETHANE	UG/L	1	1	0	7		17_DGMW82	7		17_DGMW82	1	100	2
BROMOFORM	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
BROMOMETHANE (METHYL BROMIDE)	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
CARBON DISULFIDE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
CARBON TETRACHLORIDE	UG/L	1	0	0	1	U	-	1	U	-	1	0.5	1
CHLOROBENZENE	UG/L	1	0	0	1	U	-	1	U	-	1	30	1
CHLORODIBROMOMETHANE	UG/L	1	1	0	6		17_DGMW82	6		17_DGMW82	1	100	2
CHLOROETHANE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
CHLOROFORM	UG/L	1	1	0	7		17_DGMW82	7		17_DGMW82	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
CIS-1,3-DICHLOROPROPENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
ETHYLBENZENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
METHYLENE CHLORIDE	UG/L	1	0	0	1	U	-	1	U	-	1	40	4
STYRENE	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
TETRACHLOROETHENE	UG/L	1	0	0	1	U	-	1	U	-	1	5	2
TOLUENE	UG/L	1	0	0	1	U	-	1	U	-	1	1000	2
TRANS-1,3-DICHLOROPROPENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
TRICHLOROETHYLENE	UG/L	1	0	0	1	U	-	1	U	-	1	5	2
VINYL ACETATE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA

Table C - 17d

Site 17: 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	1	0	0	2	U	-	2	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
SEMIVOLATILE ORGANIC COMPOUNDS													
1,2,4-TRICHLOROBENZENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
1,2-DICHLOROBENZENE	UG/L	1	0	0	10	U	-	10	U	-	10	600	2
1,3-DICHLOROBENZENE	UG/L	1	0	0	10	U	-	10	U	-	10	600	2
1,4-DICHLOROBENZENE	UG/L	1	0	0	10	U	-	10	U	-	10	5	1
2,4,5-TRICHLOROPHENOL	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
2,4,6-TRICHLOROPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DICHLOROPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DIMETHYLPHENOL	UG/L	1	0	0	10	U	-	10	U	-	10	400	4
2,4-DINITROPHENOL	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
2,4-DINITROTOLUENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2,6-DINITROTOLUENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLORONAPHTHALENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLOROPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLNAPHTHALENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-NITROANILINE	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
2-NITROPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
3,3'-DICHLOROBENZIDINE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
3-NITROANILINE	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
4,6-DINITRO-2-METHYLPHENOL	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
4-BROMOPHENYL PHENYL ETHER	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLORO-3-METHYLPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROANILINE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROPHENYL PHENYL ETHER	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-METHYLPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-NITROANILINE	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
4-NITROPHENOL	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
ACENAPHTHENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
ACENAPHTHYLENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
ANTHRACENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 17d

Site 17: 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	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHOXY) METHANE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
CARBAZOLE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
CHRYSENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-BUTYL PHTHALATE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZOFURAN	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	1	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
!NDENO(1,2,3-CD)PYRENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	1	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	1	0	0	10	U	-	10	U	-	10	5	4

Table C - 17d

Site 17: 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	1	0	NA	10	U	-	10	U	-	10	NA	NA
PESTICIDES AND PCBs													
4,4'-DDD	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDE	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDT	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ALDRIN	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.05	4
ALPHA-CHLORDANE	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-ALPHA	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.7	4
BHC-BETA	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.3	4
BHC-DELTA	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-GAMMA(LINDANE)	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
DIELDRIN	UG/L	1	0	0	0.1	U	-	0.1	U	-	0.1	0.05	4
ENDOSULFAN I	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
ENDOSULFAN II	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDOSULFAN SULFATE	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN	UG/L	1	0	0	0.1	U	-	0.1	U	-	0.1	0.2	2
ENDRIN ALDEHYDE	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN KETONE	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
GAMMA-CHLORDANE	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
HEPTACHLOR	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
HEPTACHLOR EPOXIDE	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
METHOXYCHLOR	UG/L	1	0	0	0.5	U	-	0.5	U	-	0.5	40	2
PCB-1016	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1221	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
PCB-1232	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1242	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1248	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1254	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1260	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
TOXAPHENE	UG/L	1	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	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA

Table C - 17d

Site 17: 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	1	0	NA	250	U	-	250	U	-	250	NA	NA
TFH GASOLINE	UG/L	1	0	NA	50	U	-	50	U	-	50	NA	NA
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
TRPH	MG/L	1	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 - 18d

Site 18: 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	80	80	NA	75		18_BGMW05A	414		18_BGMW01E	1	NA	NA
BICARBONATE	MG/L	78	78	NA	92		18_BGMW05A	505		18_BGMW01E	1	NA	NA
CARBONATE	MG/L	71	70	NA	0		18_BGMW17	15		18_BGMP09	0	NA	NA
CHLORIDE	MG/L	81	81	12	56.3		18_BGMW24	1580		18_BGMW05A	0.26	250	3
CYANIDE	UG/L	81	4	NA	3	U	-	3.8	B	18_PS3	3	NA	NA
NITRATE/NITRITE-N	MG/L	76	69	31	0.05	U	-	66.7		18_BGMW19D	0.05	10	1
PH	UNITS	1	1	1	7.93		18_BGMP10	7.93		18_BGMP10	0	6.5	2
SULFATE	MG/L	81	81	31	61.1		18_BGMW01E	1010		18_PS2	0.42	250	3
TOTAL DISSOLVED SOLIDS	MG/L	81	81	81	522		18_BGMW02A	3160		18_BGMW05A	3	500	3
METALS													
ALUMINUM	UG/L	83	9	5	22.2	U	-	832		18_BGMW01A	31	50	3
ANTIMONY	UG/L	85	34	NA	10.7	U	-	25.1	b	18_BGMW101	12.1	NA	NA
ARSENIC	UG/L	83	61	1	0.7	U	-	122		18_BGMW19B	0.7	50	2
BARIUM	UG/L	83	81	0	0.33	U	-	199	b	18_BGMW07	0.1	2000	2
BERYLLIUM	UG/L	83	6	NA	0.24	U	-	0.94	b	18_BGMW05B	0.5	NA	NA
CADMIUM	UG/L	83	11	3	1.2	U	-	118		18_BGMW05D	1.2	5	2
CALCIUM	UG/L	83	83	NA	107	b	18_BGMP06	337000		18_PS2	103	NA	NA
CHROMIUM	UG/L	83	4	0	2.9	U	-	12.7		18_BGMW01A	3.7	50	1
COBALT	UG/L	83	1	NA	1.7	U	-	7.2	b	18_PS6	5.8	NA	NA
COPPER	UG/L	83	21	0	0.9	U	-	19.8	b	18_PS4	0.9	1300	2
IRON	UG/L	83	32	2	2.3	U	-	2280		18_BGMW01A	7.5	300	3
LEAD	UG/L	83	2	0	0.6	U	-	1.7	b	18_BGMW02C	0.6	15	2
MAGNESIUM	UG/L	83	81	NA	14.3	U	-	140000		18_BGMW12	14.3	NA	NA
MANGANESE	UG/L	83	76	23	0.8	U	-	706		18_BGMW07	0.8	50	3
MERCURY	UG/L	83	6	0	0.07	U	-	0.48		18_DW135	0.1	2	2
NICKEL	UG/L	83	31	NA	5.3	U	-	382		18_BGMW01D	7.7	NA	NA
POTASSIUM	UG/L	83	81	NA	191	U	-	9320		18_BGMW05A	191	NA	NA
SELENIUM	UG/L	83	66	41	0.5	U	-	147		18_DW135	0.5	10	1
SILVER	UG/L	83	5	0	1.5	U	-	2.6	b	18_BGMP10	2.1	50	1
SODIUM	UG/L	83	82	NA	150	U	-	798000		18_BGMW05A	12.4	NA	NA
THALLIUM	UG/L	85	3	NA	0.7	U	-	1.2	J	18_BGMW101	0.7	NA	NA
VANADIUM	UG/L	85	75	NA	1.9	U	-	32.7	b	18_BGMW22	1.9	NA	NA

Table C - 18d

Site 18: 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)
ZINC	UG/L	85	55	0	2.2	U	-	289		18_BGMP10	2.2	5000	2
VOLATILE ORGANIC COMPOUNDS													
1,1,1-TRICHLOROETHANE	UG/L	130	0	0	1	U	-	10	U	-	1	200	2
1,1,2,2-TETRACHLOROETHANE	UG/L	130	0	NA	1	U	-	10	U	-	1	NA	NA
1,1,2-TRICHLOROETHANE	UG/L	130	2	0	0.5	J	18_BGMW05D	0.9	J	18_PS3	1	32	1
1,1-DICHLOROETHANE	UG/L	130	0	0	1	U	-	10	U	-	1	5	1
1,1-DICHLOROETHENE	UG/L	130	1	NA	0.4	J	18_PS3	0.4	J	18_PS3	1	NA	NA
1,2-DICHLOROETHANE	UG/L	130	0	0	1	U	-	10	U	-	1	0.5	1
1,2-DICHLOROETHENE (TOTAL)	UG/L	130	5	NA	1	U	-	3		18_PS4	1	NA	NA
1,2-DICHLOROPROPANE	UG/L	130	3	0	1	U	-	4		18_BGMW18	1	5	2
2-BUTANONE	UG/L	130	1	NA	1	J	18_BGMW05D	1	J	18_BGMW05D	2	NA	NA
2-HEXANONE	UG/L	130	1	NA	1	J	18_DW540	1	J	18_DW540	2	NA	NA
4-METHYL-2-PENTANONE	UG/L	130	0	NA	2	U	-	20	U	-	2	NA	NA
ACETONE	UG/L	130	5	NA	2	U	-	51		18_BGMW02A	2	NA	NA
BENZENE	UG/L	129	3	2	0.9	J	18_BGMW01D	270	D	18_BGMW01E	1	1	1
BROMODICHLOROMETHANE	UG/L	130	9	0	0.5	J	18_BGMW17	11		18_BGMW02A	1	100	2
BROMOFORM	UG/L	130	1	0	1	U	-	2		18_BGMW02A	1	100	2
BROMOMETHANE (METHYL BROMIDE)	UG/L	130	0	NA	2	U	-	20	U	-	2	NA	NA
CARBON DISULFIDE	UG/L	130	6	NA	0.5	J	18_BGMW14	8		18_BGMW05A	1	NA	NA
CARBON TETRACHLORIDE	UG/L	130	8	8	1	U	-	17		18_DW135	1	0.5	1
CHLOROBENZENE	UG/L	130	0	0	1	U	-	10	U	-	1	30	1
CHLORODIBROMOMETHANE	UG/L	130	8	0	0.5	J	18_BGMW02C	11		18_BGMW02A	1	100	2
CHLOROETHANE	UG/L	130	0	NA	2	U	-	20	U	-	2	NA	NA
CHLOROFORM	UG/L	130	21	0	0.5	J	18_BGMW04B	7		18_BGMW02A	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	130	26	NA	0.6	J	18_BGMW19E	20		18_BGMP06	2	NA	NA
CIS-1,3-DICHLOROPROPENE	UG/L	130	0	NA	1	U	-	10	U	-	1	NA	NA
ETHYLBENZENE	UG/L	130	2	NA	1	U	-	10	D	18_BGMW01E	1	NA	NA
METHYLENE CHLORIDE	UG/L	129	15	1	0.5	J	18_BGMW05A	55	D	18_BGMW03E	1	40	4
STYRENE	UG/L	130	2	0	0.6	J	18_BGMP10	1		18_BGMP10	1	100	2
TETRACHLOROETHENE	UG/L	130	14	5	0.5	J	18_BGMP08	58		18_PS3	1	5	2
TOLUENE	UG/L	130	17	0	0.5	J	18_BGMW22	15		18_BGMW05A	1	1000	2
TRANS-1,3-DICHLOROPROPENE	UG/L	130	0	NA	1	U	-	10	U	-	1	NA	NA
TRICHLOROETHYLENE	UG/L	128	25	8	0.3	J	18_MW8	370	D	18_BGMW03E	1	5	2

Table C - 18d

Site 18: 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 ACETATE	UG/L	130	0	NA	2	U	-	20	U	-	2	NA	NA
VINYL CHLORIDE	UG/L	130	0	0	2	U	-	20	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	130	10	NA	1	U	-	58		18_BGMW01E	1	NA	NA
SEMIVOLATILE ORGANIC COMPOUNDS													
1,2,4-TRICHLOROBENZENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
1,2-DICHLOROBENZENE	UG/L	83	0	0	10	U	-	20	U	-	10	600	2
1,3-DICHLOROBENZENE	UG/L	83	0	0	10	U	-	20	U	-	10	600	2
1,4-DICHLOROBENZENE	UG/L	83	0	0	10	U	-	20	U	-	10	5	1
2,4,5-TRICHLOROPHENOL	UG/L	83	1	NA	25	U	-	25	J	18_BGMW04B	25	NA	NA
2,4,6-TRICHLOROPHENOL	UG/L	83	1	NA	10	U	-	10	J	18_BGMW04B	10	NA	NA
2,4-DICHLOROPHENOL	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
2,4-DIMETHYLPHENOL	UG/L	83	0	0	10	U	-	20	U	-	10	400	4
2,4-DINITROPHENOL	UG/L	83	1	NA	25	U	-	25	J	18_BGMW04B	25	NA	NA
2,4-DINITROTOLUENE	UG/L	83	1	NA	10	U	-	10	J	18_BGMW04B	10	NA	NA
2,6-DINITROTOLUENE	UG/L	83	1	NA	10	U	-	10	J	18_BGMW04B	10	NA	NA
2-CHLORONAPHTHALENE	UG/L	83	1	NA	10	U	-	10	J	18_BGMW04B	10	NA	NA
2-CHLOROPHENOL	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
2-METHYLNAPHTHALENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
2-METHYLPHENOL	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
2-NITROANILINE	UG/L	83	1	NA	25	U	-	25	J	18_BGMW04B	25	NA	NA
2-NITROPHENOL	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
3,3'-DICHLOROBENZIDINE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
3-NITROANILINE	UG/L	83	1	NA	25	U	-	25	J	18_BGMW04B	25	NA	NA
4,6-DINITRO-2-METHYLPHENOL	UG/L	83	0	NA	25	U	-	50	U	-	25	NA	NA
4-BROMOPHENYL PHENYL ETHER	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
4-CHLORO-3-METHYLPHENOL	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
4-CHLOROANILINE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
4-CHLOROPHENYL PHENYL ETHER	UG/L	83	1	NA	10	U	-	10	J	18_BGMW04B	10	NA	NA
4-METHYLPHENOL	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
4-NITROANILINE	UG/L	83	1	NA	25	U	-	25	J	18_BGMW04B	25	NA	NA
4-NITROPHENOL	UG/L	83	1	NA	25	U	-	25	J	18_BGMW04B	25	NA	NA
ACENAPHTHENE	UG/L	83	1	NA	10	U	-	10	J	18_BGMW04B	10	NA	NA
ACENAPHTHYLENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA

Table C - 18d

Site 18: 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)
ANTHRACENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
BENZO(A)ANTHRACENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
BIS(2-CHLOROETHOXY) METHANE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	83	8	NA	2	J	18_BGMW01D	19		18_BGMW01E	10	NA	NA
CARBAZOLE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
CHRYSENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
DI-N-BUTYL PHTHALATE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
DIBENZOFURAN	UG/L	83	1	NA	10	U	-	10	J	18_BGMW04B	10	NA	NA
DIETHYL PHTHALATE	UG/L	83	2	1	3	J	18_BGMW15	10	J	18_BGMW04B	10	4	1
DIMETHYL PHTHALATE	UG/L	83	5	NA	10	U	-	220		18_DW350	10	NA	NA
FLUORANTHENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
FLUORENE	UG/L	83	1	NA	10	U	-	10	J	18_BGMW04B	10	NA	NA
HEXACHLOROBENZENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	83	1	NA	10	U	-	10	J	18_BGMW04B	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
ISOPHORONE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
NAPHTHALENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
NITROBENZENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	83	0	0	25	U	-	50	U	-	25	1	4
PHENANTHRENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA

Table C - 18d

Site 18: 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)
PHENOL	UG/L	83	0	0	10	U	-	20	U	-	10	5	4
PYRENE	UG/L	83	0	NA	10	U	-	20	U	-	10	NA	NA
PESTICIDES AND PCBs													
4,4'-DDD	UG/L	82	0	NA	0.1	U	-	0.2	U	-	0.1	NA	NA
4,4'-DDE	UG/L	82	0	NA	0.1	U	-	0.2	U	-	0.1	NA	NA
4,4'-DDT	UG/L	82	2	NA	0.01	J	18_BGMW19C	0.14		18_BGMW19E	0.1	NA	NA
ALDRIN	UG/L	82	1	1	0.05	U	-	0.06		18_BGMW19E	0.1	0.05	4
ALPHA-CHLORDANE	UG/L	82	0	NA	0.05	U	-	0.1	U	-	0.1	NA	NA
BHC-ALPHA	UG/L	82	0	0	0.05	U	-	0.1	U	-	0.1	0.7	4
BHC-BETA	UG/L	82	0	0	0.05	U	-	0.1	U	-	0.1	0.3	4
BHC-DELTA	UG/L	82	0	NA	0.05	U	-	0.1	U	-	0.1	NA	NA
BHC-GAMMA(LINDANE)	UG/L	82	3	NA	0.01		18_BGMW01E	0.06		18_BGMW19E	0.1	NA	NA
DIELDRIN	UG/L	82	1	1	0.1	U	-	0.14		18_BGMW19E	0.1	0.05	4
ENDOSULFAN I	UG/L	82	0	NA	0.05	U	-	0.1	U	-	0.1	NA	NA
ENDOSULFAN II	UG/L	82	0	NA	0.1	U	-	0.2	U	-	0.1	NA	NA
ENDOSULFAN SULFATE	UG/L	82	1	NA	0		18_PS7	0		18_PS7	0.1	NA	NA
ENDRIN	UG/L	82	0	0	0.1	U	-	0.2	U	-	0.1	0.2	2
ENDRIN ALDEHYDE	UG/L	80	0	NA	0.1	U	-	0.2	U	-	0.1	NA	NA
ENDRIN KETONE	UG/L	82	0	NA	0.1	U	-	0.2	U	-	0.1	NA	NA
GAMMA-CHLORDANE	UG/L	82	0	NA	0.05	U	-	0.1	U	-	0.1	NA	NA
HEPTACHLOR	UG/L	82	1	1	0.05	U	-	0.07		18_BGMW19E	0.1	0.01	1
HEPTACHLOR EPOXIDE	UG/L	82	0	0	0.05	U	-	0.1	U	-	0.1	0.01	1
METHOXYCHLOR	UG/L	82	0	0	0.5	U	-	1	U	-	0.5	40	2
PCB-1016	UG/L	82	0	NA	1	U	-	2	U	-	1	NA	NA
PCB-1221	UG/L	82	0	NA	2	U	-	4	U	-	2	NA	NA
PCB-1232	UG/L	82	0	NA	1	U	-	2	U	-	1	NA	NA
PCB-1242	UG/L	82	0	NA	1	U	-	2	U	-	1	NA	NA
PCB-1248	UG/L	82	0	NA	1	U	-	2	U	-	1	NA	NA
PCB-1254	UG/L	82	0	NA	1	U	-	2	U	-	1	NA	NA
PCB-1260	UG/L	82	0	NA	1	U	-	2	U	-	1	NA	NA
TOXAPHENE	UG/L	82	0	0	5	U	-	10	U	-	5	3	2
HERBICIDES													
2,4 DICHLOROPHENOXY ACETIC ACID	UG/L	77	0	0	0.5	U	-	14.3	U	-	0.5	70	2

Table C - 18d

Site 18: 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-T	UG/L	77	1	NA	0.25	U	-	11.4		18_RW1	0.2	NA	NA
2,4,5-TP (SILVEX)	UG/L	77	0	NA	0.25	U	-	7.14	U	-	0.2	NA	NA
2,4-DB	UG/L	77	0	NA	0.5	U	-	14.3	U	-	0.5	NA	NA
DALAPON	UG/L	77	1	NA	0.5	U	-	1.75		18_BGMP09	0.5	NA	NA
DICAMBA	UG/L	77	0	NA	0.5	U	-	14.3	U	-	0.5	NA	NA
DICHLOROPROP	UG/L	77	2	NA	0.5	U	-	1.01		18_BGMW05D	0.5	NA	NA
DINOSEB	UG/L	77	1	NA	0.25	U	-	0.42		18_BGMW16	0.2	NA	NA
MCPA	UG/L	77	0	NA	250	U	-	7140	U	-	250	NA	NA
MCPP	UG/L	77	1	NA	250	U	-	288		18_BGMP08	250	NA	NA
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	83	12	NA	250	U	-	2260		18_BGMW01A	250	NA	NA
TFH GASOLINE	UG/L	83	3	NA	50	U	-	1080		18_BGMW01E	50	NA	NA
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
1-PROPENE,3,3,3-TRICHLORO-	MG/L	1	0	NA	0.44	U	-	0.44	U	-	0.44	NA	NA
PHENOL,4-(2,2,3,3-TETRAMETHYLBUTYL)-	MG/L	1	0	NA	0.44	U	-	0.44	U	-	0.44	NA	NA
TRPH	MG/L	80	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 - 19d

Site 19: 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	5	5	NA	130		19_DBMW54	242		19_DGMW86	1	NA	NA
BICARBONATE	MG/L	5	5	NA	159		19_DBMW54	295		19_DGMW86	1	NA	NA
CARBONATE	MG/L	5	5	NA	0		19_DGMW86	0		19_DGMW86	0	NA	NA
CHLORIDE	MG/L	5	5	0	114		19_DGMW86	172		19_DGMW85	0.13	250	3
CYANIDE	UG/L	5	0	NA	3	U	-	3	U	-	3	NA	NA
NITRATE/NITRITE-N	MG/L	5	5	4	9.39		19_UGMW35	12.8		19_DGMW85	0.5	10	1
SULFATE	MG/L	5	5	0	148		19_UGMW35	195		19_DGMW85	0.21	250	3
TOTAL DISSOLVED SOLIDS	MG/L	5	5	5	650		19_UGMW35	823		19_DGMW85	3	500	3
METALS													
ALUMINUM	UG/L	5	1	1	31	U	-	67.4	b	19_DBMW54	31	50	3
ANTIMONY	UG/L	5	4	NA	12.1	U	-	20.2	b	19_DGMW85	12.1	NA	NA
ARSENIC	UG/L	5	4	0	0.7	U	-	1	b	19_DBMW54	0.7	50	2
BARIUM	UG/L	5	5	0	21.2	b	19_UGMW35	37.9	b	19_DGMW86	0.1	2000	2
BERYLLIUM	UG/L	5	0	NA	0.5	U	-	1.4	U	-	0.5	NA	NA
CADMIUM	UG/L	5	4	0	2.1	U	-	3.7	b	19_DGMW85	1.2	5	2
CALCIUM	UG/L	5	5	NA	94900		19_UGMW35	114000		19_DGMW85	103	NA	NA
CHROMIUM	UG/L	5	4	0	3.7	U	-	5.2	b	19_DGMW85	3.7	50	1
COBALT	UG/L	5	1	NA	5.8	U	-	9.3	b	19_DGMW85	7.4	NA	NA
COPPER	UG/L	5	3	0	0.9	U	-	2.1	b	19_DGMW85	1.2	1300	2
IRON	UG/L	5	3	0	4.5	U	-	75.6	b	19_DGMW85	2.3	300	3
LEAD	UG/L	5	0	0	0.6	U	-	0.6	U	-	0.6	15	2
MAGNESIUM	UG/L	5	5	NA	28800		19_UGMW35	38100		19_DGMW86	14.3	NA	NA
MANGANESE	UG/L	5	5	4	8.7	b	19_DBMW54	152		19_DGMW86	0.8	50	3
MERCURY	UG/L	5	0	0	0.1	U	-	0.1	U	-	0.1	2	2
NICKEL	UG/L	5	5	NA	40.8	J	19_DBMW54	178		19_UGMW35	7.7	NA	NA
POTASSIUM	UG/L	5	5	NA	2510	b	19_DBMW54	4240	b	19_DGMW86	191	NA	NA
SELENIUM	UG/L	5	5	5	16	b	19_UGMW35	36.6		19_DBMW54	0.5	10	1
SILVER	UG/L	5	4	0	2.1	U	-	3.9	b	19_DGMW85	2.1	50	1
SODIUM	UG/L	5	5	NA	54000		19_UGMW35	83700		19_DGMW85	12.4	NA	NA
THALLIUM	UG/L	5	0	NA	0.7	U	-	2.5	U	-	0.7	NA	NA
VANADIUM	UG/L	5	5	NA	8.1	b	19_DGMW86	13.8	b	19_DBMW54	1.9	NA	NA
ZINC	UG/L	5	3	0	2.2	U	-	125		19_UGMW35	2.2	5000	2
VOLATILE ORGANIC COMPOUNDS													
1,1,1-TRICHLOROETHANE	UG/L	5	0	0	1	U	-	1	U	-	1	200	2
1,1,2,2-TETRACHLOROETHANE	UG/L	5	0	NA	1	U	-	1	U	-	1	NA	NA
1,1,2-TRICHLOROETHANE	UG/L	5	0	0	1	U	-	1	U	-	1	32	1

Table C - 19d

Site 19: 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)
1,1-DICHLOROETHANE	UG/L	5	0	0	1	U	-	1	U	-	1	5	1
1,1-DICHLOROETHENE	UG/L	5	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROETHANE	UG/L	5	0	0	1	U	-	1	U	-	1	0.5	1
1,2-DICHLOROETHENE (TOTAL)	UG/L	5	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROPROPANE	UG/L	5	0	0	1	U	-	1	U	-	1	5	2
2-BUTANONE	UG/L	5	0	NA	2	U	-	2	U	-	2	NA	NA
2-HEXANONE	UG/L	5	0	NA	2	U	-	2	U	-	2	NA	NA
4-METHYL-2-PENTANONE	UG/L	5	1	NA	0.6	J	19_DGMW85	0.6	J	19_DGMW85	2	NA	NA
ACETONE	UG/L	5	0	NA	2	U	-	2	U	-	2	NA	NA
BENZENE	UG/L	5	0	0	1	U	-	1	U	-	1	1	1
BROMODICHLOROMETHANE	UG/L	5	0	0	1	U	-	1	U	-	1	100	2
BROMOFORM	UG/L	5	0	0	1	U	-	1	U	-	1	100	2
BROMOMETHANE (METHYL BROMIDE)	UG/L	5	0	NA	2	U	-	2	U	-	2	NA	NA
CARBON DISULFIDE	UG/L	5	0	NA	1	U	-	1	U	-	1	NA	NA
CARBON TETRACHLORIDE	UG/L	5	0	0	1	U	-	1	U	-	1	0.5	1
CHLOROBENZENE	UG/L	5	0	0	1	U	-	1	U	-	1	30	1
CHLORODIBROMOMETHANE	UG/L	5	0	0	1	U	-	1	U	-	1	100	2
CHLOROETHANE	UG/L	5	0	NA	2	U	-	2	U	-	2	NA	NA
CHLOROFORM	UG/L	5	0	0	1	U	-	1	U	-	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	5	0	NA	2	U	-	2	U	-	2	NA	NA
CIS-1,3-DICHLOROPROPENE	UG/L	5	0	NA	1	U	-	1	U	-	1	NA	NA
ETHYLBENZENE	UG/L	5	0	NA	1	U	-	1	U	-	1	NA	NA
METHYLENE CHLORIDE	UG/L	5	0	0	1	U	-	1	U	-	1	40	4
STYRENE	UG/L	5	0	0	1	U	-	1	U	-	1	100	2
TETRACHLOROETHENE	UG/L	5	2	0	1	U	-	1		19_DBMW54	1	5	2
TOLUENE	UG/L	5	0	0	1	U	-	1	U	-	1	1000	2
TRANS-1,3-DICHLOROPROPENE	UG/L	5	0	NA	1	U	-	1	U	-	1	NA	NA
TRICHLOROETHYLENE	UG/L	5	3	0	0.6	J	19_DGMW85	0.8	J	19_DGMW86	1	5	2
VINYL ACETATE	UG/L	5	0	NA	2	U	-	2	U	-	2	NA	NA
VINYL CHLORIDE	UG/L	5	0	0	2	U	-	2	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	5	0	NA	1	U	-	1	U	-	1	NA	NA
SEMIVOLATILE ORGANIC COMPOUNDS													
1,2,4-TRICHLOROBENZENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
1,2-DICHLOROBENZENE	UG/L	5	0	0	10	U	-	10	U	-	10	600	2
1,3-DICHLOROBENZENE	UG/L	5	0	0	10	U	-	10	U	-	10	600	2
1,4-DICHLOROBENZENE	UG/L	5	0	0	10	U	-	10	U	-	10	5	1
2,4,5-TRICHLOROPHENOL	UG/L	5	0	NA	25	U	-	25	U	-	25	NA	NA

Table C - 19d

Site 19: 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)
2,4,6-TRICHLOROPHENOL	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DICHLOROPHENOL	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DIMETHYLPHENOL	UG/L	5	0	0	10	U	-	10	U	-	10	400	4
2,4-DINITROPHENOL	UG/L	5	0	NA	25	U	-	25	U	-	25	NA	NA
2,4-DINITROTOLUENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
2,6-DINITROTOLUENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLORONAPHTHALENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLOROPHENOL	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLNAPHTHALENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLPHENOL	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
2-NITROANILINE	UG/L	5	0	NA	25	U	-	25	U	-	25	NA	NA
2-NITROPHENOL	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
3,3'-DICHLOROBENZIDINE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
3-NITROANILINE	UG/L	5	0	NA	25	U	-	25	U	-	25	NA	NA
4,6-DINITRO-2-METHYLPHENOL	UG/L	5	0	NA	25	U	-	25	U	-	25	NA	NA
4-BROMOPHENYL PHENYL ETHER	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLORO-3-METHYLPHENOL	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROANILINE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROPHENYL PHENYL ETHER	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
4-METHYLPHENOL	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
4-NITROANILINE	UG/L	5	0	NA	25	U	-	25	U	-	25	NA	NA
4-NITROPHENOL	UG/L	5	0	NA	25	U	-	25	U	-	25	NA	NA
ACENAPHTHENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
ACENAPHTHYLENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
ANTHRACENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)ANTHRACENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHOXY) METHANE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
CARBAZOLE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
CHRYSENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 19d

Site 19: 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)
DI-N-BUTYL PHTHALATE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZOFURAN	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	5	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	5	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	5	0	0	10	U	-	10	U	-	10	5	4
PYRENE	UG/L	5	0	NA	10	U	-	10	U	-	10	NA	NA
PESTICIDES AND PCBs													
4,4'-DDD	UG/L	5	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDE	UG/L	5	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDT	UG/L	5	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ALDRIN	UG/L	5	0	0	0.05	U	-	0.05	U	-	0.1	0.05	4
ALPHA-CHLORDANE	UG/L	5	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-ALPHA	UG/L	5	0	0	0.05	U	-	0.05	U	-	0.1	0.7	4
BHC-BETA	UG/L	5	0	0	0.05	U	-	0.05	U	-	0.1	0.3	4
BHC-DELTA	UG/L	5	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-GAMMA(LINDANE)	UG/L	5	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
DIELDRIN	UG/L	5	0	0	0.1	U	-	0.1	U	-	0.1	0.05	4
ENDOSULFAN I	UG/L	5	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
ENDOSULFAN II	UG/L	5	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDOSULFAN SULFATE	UG/L	5	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN	UG/L	5	0	0	0.1	U	-	0.1	U	-	0.1	0.2	2

Table C - 19d

Site 19: 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)
ENDRIN ALDEHYDE	UG/L	5	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN KETONE	UG/L	5	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
GAMMA-CHLORDANE	UG/L	5	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
HEPTACHLOR	UG/L	5	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
HEPTACHLOR EPOXIDE	UG/L	5	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
METHOXYCHLOR	UG/L	5	0	0	0.5	U	-	0.5	U	-	0.5	40	2
PCB-1016	UG/L	5	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1221	UG/L	5	0	NA	2	U	-	2	U	-	2	NA	NA
PCB-1232	UG/L	5	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1242	UG/L	5	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1248	UG/L	5	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1254	UG/L	5	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1260	UG/L	5	0	NA	1	U	-	1	U	-	1	NA	NA
TOXAPHENE	UG/L	5	0	0	5	U	-	5	U	-	5	3	2
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	5	0	NA	250	U	-	250	U	-	250	NA	NA
TFH GASOLINE	UG/L	5	0	NA	50	U	-	50	U	-	50	NA	NA
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
TRPH	MG/L	5	0	NA	0.44	U	-	0.44	U	-	0.44	NA	NA
GROSS ALPHA AND BETA													
GROSS ALPHA	PCI/L	2	2	0	0.8		19_DGMW85	12.8		19_DGMW85	1	15	2
GROSS BETA	PCI/L	2	2	0	5.8		19_DGMW85	15.9		19_DGMW85	0.4	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 - 20d

Site 20: 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	3	3	NA	132		20_UGMW36	190		20_DGMW88	1	NA	NA
BICARBONATE	MG/L	3	3	NA	161		20_UGMW36	231		20_DGMW88	1	NA	NA
CARBONATE	MG/L	3	3	NA	0		20_DGMW88	0		20_DGMW88	0	NA	NA
CHLORIDE	MG/L	3	3	2	176		20_DGMW88	336		20_UGMW36	0.65	250	3
CYANIDE	UG/L	3	0	NA	3	U	-	3	U	-	3	NA	NA
NITRATE/NITRITE-N	MG/L	3	3	2	9.35		20_DGMW88	19.4		20_UGMW36	1.25	10	1
SULFATE	MG/L	3	3	3	523		20_DGMW88	854		20_DBMW55	1.1	250	3
TOTAL DISSOLVED SOLIDS	MG/L	3	3	3	1260		20_DGMW88	1900		20_DBMW55	3	500	3
METALS													
ALUMINUM	UG/L	3	0	0	31	U	-	31	U	-	31	50	3
ANTIMONY	UG/L	3	2	NA	12.1	U	-	31.2	b	20_DBMW55	12.1	NA	NA
ARSENIC	UG/L	3	1	0	0.7	U	-	0.8	b	20_DBMW55	0.7	50	2
BARIUM	UG/L	3	3	0	25.9	b	20_DBMW55	44	b	20_UGMW36	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	-	1.4	b	20_DBMW55	1.2	5	2
CALCIUM	UG/L	3	3	NA	174000		20_DGMW88	275000		20_DBMW55	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	1	0	0.9	U	-	1.3	b	20_DGMW88	0.9	1300	2
IRON	UG/L	3	1	0	1.3	U	-	52.4	b	20_UGMW36	2.3	300	3
LEAD	UG/L	3	0	0	0.6	U	-	0.6	U	-	0.6	15	2
MAGNESIUM	UG/L	3	3	NA	81600		20_DGMW88	128000		20_DBMW55	14.3	NA	NA
MANGANESE	UG/L	3	3	2	21.9		20_DGMW88	65		20_DBMW55	0.8	50	3
MERCURY	UG/L	3	0	0	0.1	U	-	0.1	U	-	0.1	2	2
NICKEL	UG/L	3	2	NA	28.2	U	-	73.2		20_UGMW36	28.2	NA	NA
POTASSIUM	UG/L	3	3	NA	3450	b	20_DGMW88	5910		20_DBMW55	191	NA	NA
SELENIUM	UG/L	3	3	3	33.7	b	20_DGMW88	85.9		20_UGMW36	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	76200		20_DGMW88	134000		20_UGMW36	12.4	NA	NA
THALLIUM	UG/L	3	0	NA	0.7	U	-	2.2	U	-	2.2	NA	NA
VANADIUM	UG/L	3	3	NA	6	b	20_UGMW36	13.6	b	20_DBMW55	1.9	NA	NA
ZINC	UG/L	3	3	0	10.5	b	20_DGMW88	187		20_DBMW55	2.2	5000	2
VOLATILE ORGANIC COMPOUNDS													
1,1,1-TRICHLOROETHANE	UG/L	3	0	0	1	U	-	1	U	-	1	200	2

Table C - 20d

Site 20: 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)
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	0	NA	2	U	-	2	U	-	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	0	0	1	U	-	1	U	-	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	2	NA	0.5	J	20_DGMW88	0.9	J	20_UGMW36	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	0	0	1	U	-	1	U	-	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	1	0	0.5	J	20_DBMW55	0.5	J	20_DBMW55	1	5	2
VINYL ACETATE	UG/L	3	0	NA	2	U	-	2	U	-	2	NA	NA
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

Table C - 20d

Site 20: 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)
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
BENZO(A)ANTHRACENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 20d

Site 20: 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)
BIS(2-CHLOROETHOXY) METHANE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
CARBAZOLE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
CHRYSENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-BUTYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZOFURAN	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	3	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	3	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	3	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	3	0	0	10	U	-	10	U	-	10	5	4
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

Table C - 20d

Site 20: 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)
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
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	3	0	NA	250	U	-	250	U	-	250	NA	NA
TFH GASOLINE	UG/L	3	0	NA	50	U	-	50	U	-	50	NA	NA
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
TRPH	MG/L	3	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 - 21d

Site 21: 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	190		21_DGMW90	212		21_UGMW37	1	NA	NA
BICARBONATE	MG/L	4	4	NA	231		21_DGMW90	259		21_UGMW37	1	NA	NA
CARBONATE	MG/L	4	4	NA	0		21_DGMW90	0		21_DGMW90	0	NA	NA
CHLORIDE	MG/L	4	4	1	180		21_UGMW37	467		21_DGMW90	0.26	250	3
CYANIDE	UG/L	4	1	NA	3	U	-	4	B	21_DGMW90	3	NA	NA
NITRATE/NITRITE-N	MG/L	4	4	4	19.3		21_UGMW37	23.5		21_DGMW90	1	10	1
SULFATE	MG/L	4	4	1	191		21_UGMW37	568		21_DGMW90	0.42	250	3
TOTAL DISSOLVED SOLIDS	MG/L	4	4	4	964		21_UGMW37	1120		21_DGMW90	3	500	3
METALS													
ALUMINUM	UG/L	5	1	0	31	U	-	48.1	b	21_UGMW37	31	50	3
ANTIMONY	UG/L	5	1	NA	12.1	U	-	17.6	J	21_DGMW90	12.1	NA	NA
ARSENIC	UG/L	5	0	0	0.7	U	-	0.7	U	-	0.7	50	2
BARIUM	UG/L	5	5	0	0.49	b	21_DBMW56	32.9	b	21_DGMW90	0.1	2000	2
BERYLLIUM	UG/L	5	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
CADMIUM	UG/L	5	1	0	1.2	U	-	1.8	b	21_DGMW90	1.2	5	2
CALCIUM	UG/L	5	5	NA	417	b	21_DBMW56	161000		21_DBMW56	103	NA	NA
CHROMIUM	UG/L	5	0	0	3.7	U	-	3.7	U	-	3.7	50	1
COBALT	UG/L	5	0	NA	5.8	U	-	5.8	U	-	5.8	NA	NA
COPPER	UG/L	5	0	0	0.9	U	-	0.9	U	-	0.9	1300	2
IRON	UG/L	5	3	0	5.1	b	21_DBMW56	8.5	b	21_UGMW37	2.3	300	3
LEAD	UG/L	5	0	0	0.6	U	-	0.6	U	-	0.6	15	2
MAGNESIUM	UG/L	5	5	NA	120	b	21_DBMW56	46700		21_DGMW90	14.3	NA	NA
MANGANESE	UG/L	5	4	1	0.8	U	-	90.4		21_DGMW90	0.8	50	3
MERCURY	UG/L	5	0	0	0.1	U	-	0.1	U	-	0.1	2	2
NICKEL	UG/L	5	4	NA	7.7	U	-	113		21_DGMW90	7.7	NA	NA
POTASSIUM	UG/L	5	5	NA	276	b	21_DBMW56	2770	b	21_DGMW90	191	NA	NA
SELENIUM	UG/L	5	4	2	0.5	U	-	13.5	J	21_DGMW90	0.5	10	1
SILVER	UG/L	5	0	0	2.1	U	-	2.1	U	-	2.1	50	1
SODIUM	UG/L	5	5	NA	3510	b	21_DBMW56	83100		21_UGMW37	12.4	NA	NA
THALLIUM	UG/L	5	4	NA	0.7	b	21_DBMW56	0.8	b	21_DBMW56	0.7	NA	NA
VANADIUM	UG/L	5	4	NA	1.9	U	-	17.4	b	21_DBMW56	1.9	NA	NA
ZINC	UG/L	5	4	0	3.3	b	21_DBMW56	16.5	b	21_DBMW56	2.2	5000	2

Table C - 21d

Site 21: 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	0	0	1	U	-	1	U	-	1	0.5	1
1,2-DICHLOROETHENE (TOTAL)	UG/L	4	0	NA	1	U	-	1	U	-	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	2	0	0.6	J	21_DGMW90	1		21_UGMW37	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	4	3	NA	2	U	-	4		21_DBMW56	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	1	0	0.6	J	21_DGMW90	0.6	J	21_DGMW90	1	40	4
STYRENE	UG/L	4	0	0	1	U	-	1	U	-	1	100	2
TETRACHLOROETHENE	UG/L	4	2	1	0.8	J	21_DGMW90	7		21_UGMW37	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	2	1	1	U	-	11		21_UGMW37	1	5	2
VINYL ACETATE	UG/L	4	0	NA	2	U	-	2	U	-	2	NA	NA

Table C - 21d

Site 21: 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 - 21d

Site 21: 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	0	NA	10	U	-	10	U	-	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 - 21d

Site 21: 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	3	0	0	0.5	U	-	0.5	U	-	0.5	70	2
2,4,5-T	UG/L	3	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA

Table C - 21d

Site 21: 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	3	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA
2,4-DB	UG/L	3	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DALAPON	UG/L	3	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DICAMBA	UG/L	3	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DICHLOROPROP	UG/L	3	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
DINOSEB	UG/L	3	0	NA	0.25	U	-	0.25	U	-	0.2	NA	NA
MCPA	UG/L	3	0	NA	250	U	-	250	U	-	250	NA	NA
MCPP	UG/L	3	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

(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 - 22d

Site 22: 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	1	1	NA	190		22_DBMW47	190		22_DBMW47	1	NA	NA
BICARBONATE	MG/L	1	1	NA	232		22_DBMW47	232		22_DBMW47	1	NA	NA
CARBONATE	MG/L	1	1	NA	0		22_DBMW47	0		22_DBMW47	0	NA	NA
CHLORIDE	MG/L	1	1	0	228		22_DBMW47	228		22_DBMW47	0.26	250	3
CYANIDE	UG/L	1	0	NA	3	U	-	3	U	-	3	NA	NA
NITRATE/NITRITE-N	MG/L	1	1	1	18.7		22_DBMW47	18.7		22_DBMW47	0.42	10	1
SULFATE	MG/L	1	1	1	263		22_DBMW47	263		22_DBMW47	0.14	250	3
TOTAL DISSOLVED SOLIDS	MG/L	1	1	1	1130		22_DBMW47	1130		22_DBMW47	3	500	3
METALS													
ALUMINUM	UG/L	1	0	0	31	U	-	31	U	-	31	50	3
ANTIMONY	UG/L	1	1	NA	16.6	b	22_DBMW47	16.6	b	22_DBMW47	12.1	NA	NA
ARSENIC	UG/L	1	1	0	1.7	b	22_DBMW47	1.7	b	22_DBMW47	0.7	50	2
BARIUM	UG/L	1	1	0	32.2	b	22_DBMW47	32.2	b	22_DBMW47	0.1	2000	2
BERYLLIUM	UG/L	1	0	NA	0.5	U	-	0.5	U	-	0.5	NA	NA
CADMIUM	UG/L	1	0	0	1.2	U	-	1.2	U	-	1.2	5	2
CALCIUM	UG/L	1	1	NA	187000		22_DBMW47	187000		22_DBMW47	103	NA	NA
CHROMIUM	UG/L	1	0	0	3.7	U	-	3.7	U	-	3.7	50	1
COBALT	UG/L	1	0	NA	5.8	U	-	5.8	U	-	5.8	NA	NA
COPPER	UG/L	1	0	0	0.9	U	-	0.9	U	-	0.9	1300	2
IRON	UG/L	1	0	0	2.3	U	-	2.3	U	-	2.3	300	3
LEAD	UG/L	1	0	0	0.6	U	-	0.6	U	-	0.6	15	2
MAGNESIUM	UG/L	1	1	NA	50500		22_DBMW47	50500		22_DBMW47	14.3	NA	NA
MANGANESE	UG/L	1	1	0	5.4	b	22_DBMW47	5.4	b	22_DBMW47	0.8	50	3
MERCURY	UG/L	1	0	0	0.1	U	-	0.1	U	-	0.1	2	2
NICKEL	UG/L	1	0	NA	7.7	U	-	7.7	U	-	7.7	NA	NA
POTASSIUM	UG/L	1	1	NA	2460	b	22_DBMW47	2460	b	22_DBMW47	191	NA	NA
SELENIUM	UG/L	1	1	1	28.9		22_DBMW47	28.9		22_DBMW47	0.5	10	1
SILVER	UG/L	1	0	0	2.1	U	-	2.1	U	-	2.1	50	1
SODIUM	UG/L	1	1	NA	82800		22_DBMW47	82800		22_DBMW47	12.4	NA	NA
THALLIUM	UG/L	1	0	NA	0.7	U	-	0.7	U	-	0.7	NA	NA
VANADIUM	UG/L	1	1	NA	17.2	b	22_DBMW47	17.2	b	22_DBMW47	1.9	NA	NA
ZINC	UG/L	1	0	0	2.2	U	-	2.2	U	-	2.2	5000	2

Table C - 22d

Site 22: 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	1	0	0	1	U	-	1	U	-	1	200	2
1,1,2,2-TETRACHLOROETHANE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
1,1,2-TRICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	32	1
1,1-DICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	5	1
1,1-DICHLOROETHENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	0.5	1
1,2-DICHLOROETHENE (TOTAL)	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
1,2-DICHLOROPROPANE	UG/L	1	0	0	1	U	-	1	U	-	1	5	2
2-BUTANONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
2-HEXANONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
4-METHYL-2-PENTANONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
ACETONE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
BENZENE	UG/L	1	0	0	1	U	-	1	U	-	1	1	1
BROMODICHLOROMETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
BROMOFORM	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
BROMOMETHANE (METHYL BROMIDE)	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
CARBON DISULFIDE	UG/L	1	1	NA	1	J	22_DBMW47	1	J	22_DBMW47	1	NA	NA
CARBON TETRACHLORIDE	UG/L	1	1	1	5		22_DBMW47	5		22_DBMW47	1	0.5	1
CHLOROBENZENE	UG/L	1	0	0	1	U	-	1	U	-	1	30	1
CHLORODIBROMOMETHANE	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
CHLOROETHANE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
CHLOROFORM	UG/L	1	1	0	3		22_DBMW47	3		22_DBMW47	1	100	2
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
CIS-1,3-DICHLOROPROPENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
ETHYLBENZENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
METHYLENE CHLORIDE	UG/L	1	0	0	1	U	-	1	U	-	1	40	4
STYRENE	UG/L	1	0	0	1	U	-	1	U	-	1	100	2
TETRACHLOROETHENE	UG/L	1	1	1	7		22_DBMW47	7		22_DBMW47	1	5	2
TOLUENE	UG/L	1	0	0	1	U	-	1	U	-	1	1000	2
TRANS-1,3-DICHLOROPROPENE	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
TRICHLOROETHYLENE	UG/L	1	1	1	1000	D	22_DBMW47	1000	D	22_DBMW47	1	5	2
VINYL ACETATE	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA

Table C - 22d

Site 22: 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	1	0	0	2	U	-	2	U	-	2	0.5	1
XYLENE (TOTAL)	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
SEMIVOLATILE ORGANIC COMPOUNDS													
1,2,4-TRICHLOROBENZENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
1,2-DICHLOROBENZENE	UG/L	1	0	0	10	U	-	10	U	-	10	600	2
1,3-DICHLOROBENZENE	UG/L	1	0	0	10	U	-	10	U	-	10	600	2
1,4-DICHLOROBENZENE	UG/L	1	0	0	10	U	-	10	U	-	10	5	1
2,4,5-TRICHLOROPHENOL	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
2,4,6-TRICHLOROPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DICHLOROPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2,4-DIMETHYLPHENOL	UG/L	1	0	0	10	U	-	10	U	-	10	400	4
2,4-DINITROPHENOL	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
2,4-DINITROTOLUENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2,6-DINITROTOLUENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLORONAPHTHALENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-CHLOROPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLNAPHTHALENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-METHYLPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
2-NITROANILINE	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
2-NITROPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
3,3'-DICHLOROBENZIDINE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
3-NITROANILINE	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
4,6-DINITRO-2-METHYLPHENOL	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
4-BROMOPHENYL PHENYL ETHER	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLORO-3-METHYLPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROANILINE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-CHLOROPHENYL PHENYL ETHER	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-METHYLPHENOL	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
4-NITROANILINE	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
4-NITROPHENOL	UG/L	1	0	NA	25	U	-	25	U	-	25	NA	NA
ACENAPHTHENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
ACENAPHTHYLENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
ANTHRACENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA

Table C - 22d

Site 22: 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	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(A)PYRENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(B)FLUORANTHENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(GHI)PERYLENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZO(K)FLUORANTHENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BENZYL BUTYL PHTHALATE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHOXY) METHANE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROETHYL)ETHER	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
CARBAZOLE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
CHRYSENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-BUTYL PHTHALATE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
DI-N-OCTYL PHTHALATE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZO(A,H)ANTHRACENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
DIBENZOFURAN	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
DIETHYL PHTHALATE	UG/L	1	0	0	10	U	-	10	U	-	10	4	1
DIMETHYL PHTHALATE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORANTHENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
FLUORENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBENZENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROBUTADIENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROCYCLOPENTADIENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
HEXACHLOROETHANE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
INDENO(1,2,3-CD)PYRENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
ISOPHORONE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPHENYLAMINE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
N-NITROSODIPROPYLAMINE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
NAPHTHALENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
NITROBENZENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
PENTACHLOROPHENOL	UG/L	1	0	0	25	U	-	25	U	-	25	1	4
PHENANTHRENE	UG/L	1	0	NA	10	U	-	10	U	-	10	NA	NA
PHENOL	UG/L	1	0	0	10	U	-	10	U	-	10	5	4

Table C - 22d

Site 22: 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	1	0	NA	10	U	-	10	U	-	10	NA	NA
PESTICIDES AND PCBs													
4,4'-DDD	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDE	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
4,4'-DDT	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ALDRIN	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.05	4
ALPHA-CHLORDANE	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-ALPHA	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.7	4
BHC-BETA	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.3	4
BHC-DELTA	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
BHC-GAMMA(LINDANE)	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
DIELDRIN	UG/L	1	0	0	0.1	U	-	0.1	U	-	0.1	0.05	4
ENDOSULFAN I	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
ENDOSULFAN II	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDOSULFAN SULFATE	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN	UG/L	1	0	0	0.1	U	-	0.1	U	-	0.1	0.2	2
ENDRIN ALDEHYDE	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
ENDRIN KETONE	UG/L	1	0	NA	0.1	U	-	0.1	U	-	0.1	NA	NA
GAMMA-CHLORDANE	UG/L	1	0	NA	0.05	U	-	0.05	U	-	0.1	NA	NA
HEPTACHLOR	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
HEPTACHLOR EPOXIDE	UG/L	1	0	0	0.05	U	-	0.05	U	-	0.1	0.01	1
METHOXYCHLOR	UG/L	1	0	0	0.5	U	-	0.5	U	-	0.5	40	2
PCB-1016	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1221	UG/L	1	0	NA	2	U	-	2	U	-	2	NA	NA
PCB-1232	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1242	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1248	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1254	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
PCB-1260	UG/L	1	0	NA	1	U	-	1	U	-	1	NA	NA
TOXAPHENE	UG/L	1	0	0	5	U	-	5	U	-	5	3	2
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)													
TFH DIESEL	UG/L	1	0	NA	250	U	-	250	U	-	250	NA	NA
TFH GASOLINE	UG/L	1	1	NA	58.9		22_DBMW47	58.9		22_DBMW47	50	NA	NA

Table C - 22d

Site 22: 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)
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)													
TRPH	MG/L	1	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		22_DBMW47	5.8		22_DBMW47	0.4	15	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

Appendix C2

Summaries of Tentatively Identified Compounds

Table C2-1a

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Surface Runoff Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
Site 2								
02_EF1	S1450043	0	SVOL	7.54	5	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
02_MM1	S1450042	0	SVOL	25.85	4	J	UG/L	UNKNOWN
02_MM1	S1450042	0	SVOL	28.55	9	J	UG/L	UNKNOWN
02_MM1	S1450042	0	SVOL	29.59	13	J	UG/L	UNKNOWN
02_MM1	S1450042	0	SVOL	30.03	4	J	UG/L	UNKNOWN
02_MM1	S1450042	0	SVOL	30.33	5	J	UG/L	UNKNOWN
02_MM1	S1450042	0	SVOL	32.50	5	J	UG/L	UNKNOWN
02_MM1	S1450042	0	SVOL	36.40	4	J	UG/L	UNKNOWN HYDROCARBON
02_MM1	S1450042	0	SVOL	38.25	26	J	UG/L	UNKNOWN HYDROCARBON
02_MM1	S1450042	0	SVOL	40.29	31	J	UG/L	UNKNOWN HYDROCARBON
02_MM1	S1450042	0	VOL	20.91	27	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
02_MM1	S1450042	0	VOL	15.45	58	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
Site 3								
03_AC1	S1450045	0	VOL	22.77	1	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	33.90	68	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	34.37	64	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	34.82	86	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	35.15	81	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	35.42	67	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	35.58	76	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	35.90	91	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	36.18	66	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	36.33	92	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	36.65	90	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	36.73	72	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	36.96	63	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	37.06	84	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	37.12	65	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	37.28	73	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	37.68	91	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	37.97	71	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	38.09	73	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	38.40	82	J	UG/L	UNKNOWN
03_AC2	ETSW0018		SVOL	38.51	67	J	UG/L	UNKNOWN
03_AC2	S1450046	0	SVOL	7.54	4	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
03_AC2	S1450046	0	VOL	25.00	1	J	UG/L	UNKNOWN
03_AC2	S1450046	0	VOL	23.57	2	J	UG/L	UNKNOWN C10H14 SUB BENZENE
03_AC2	S1450046	0	VOL	23.76	3	J	UG/L	UNKNOWN C10H14 SUB BENZENE
03_AC2	S1450046	0	VOL	24.45	3	J	UG/L	UNKNOWN C10H14 SUB BENZENE
03_AC2	S1450046	0	VOL	24.63	5	J	UG/L	UNKNOWN C10H14 SUB BENZENE
03_AC2	S1450046	0	VOL	25.32	3	J	UG/L	UNKNOWN C10H14 SUB BENZENE
03_AC2	S1450046	0	VOL	25.58	3	J	UG/L	UNKNOWN C10H14 SUB BENZENE
03_AC2	S1450046	0	VOL	25.69	4	J	UG/L	UNKNOWN C10H14 SUB BENZENE
03_AC3	ETSW0019		SVOL	14.61	4	J	UG/L	UNKNOWN
03_AC3	ETSW0019		SVOL	17.78	11	J	UG/L	UNKNOWN
03_AC3	ETSW0019		SVOL	18.73	6	J	UG/L	UNKNOWN
03_AC3	ETSW0019		SVOL	21.97	6	J	UG/L	UNKNOWN
03_AC3	S1450047	0	SVOL	28.84	5	JN	UG/L	3_PYRIDINE CARBONITRILE, 1,2-DI
03_AC3	S1450047	0	VOL	24.94	1	J	UG/L	UNKNOWN
03_AC3	S1450047	0	VOL	26.07	1	J	UG/L	UNKNOWN
03_AC3	S1450047	0	VOL	23.55	3	J	UG/L	UNKNOWN C10H14 SUB BENZENE
03_AC3	S1450047	0	VOL	23.72	5	J	UG/L	UNKNOWN C10H14 SUB BENZENE
03_AC3	S1450047	0	VOL	24.62	7	J	UG/L	UNKNOWN C10H14 SUB BENZENE
03_AC3	S1450047	0	VOL	25.31	4	J	UG/L	UNKNOWN C10H14 SUB BENZENE
03_AC3	S1450047	0	VOL	25.54	5	J	UG/L	UNKNOWN C10H14 SUB BENZENE
03_AC3	S1450047	0	VOL	25.68	6	J	UG/L	UNKNOWN C10H14 SUB BENZENE
Site 18								
18_AC1	S1450051	0	SVOL	7.51	4	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
18_AC1	S1450051	0	SVOL	28.88	15	JN	UG/L	3_PYRIDINE CARBONITRILE, 1,2-DI
18_AC1	S1450051	0	SVOL	38.04	6	J	UG/L	UNKNOWN
18_AC1	S1450051	0	VOL	22.86	1	J	UG/L	UNKNOWN
18_AC1R	ETSW0022		SVOL	32.99	7	J	UG/L	UNKNOWN
18_AC2	ETSW0030		SVOL	21.85	4	JN	UG/L	1,3,5-TRIAZINE-2,4-DIAMINE,6-CHLORO
18_AC2	ETSW0031		SVOL	21.80	5	JN	UG/L	1,3,5-TRIAZINE-2,4-DIAMINE,6-CHLORO
18_AC2	ETSW0008		SVOL	23.34	15	J	UG/L	CAFFEINE
18_AC2	ETSW0009		SVOL	23.32	14	J	UG/L	CAFFEINE

Table C2-1a
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Surface Runoff Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
18_AC2	ETSW0008		SVOL	26.06	13	J	UG/L	SILICIC ACID TETRAKIS(2-ETHYLBUTYL)E
18_AC2	ETSW0009		SVOL	26.05	11	J	UG/L	SILICIC ACID TETRAKIS(2-ETHYLBUTYL)E
18_AC2	ETSW0008		SVOL	12.88	20	J	UG/L	UNKNOWN
18_AC2	ETSW0008		SVOL	16.49	12	J	UG/L	UNKNOWN
18_AC2	ETSW0008		SVOL	22.80	29	J	UG/L	UNKNOWN
18_AC2	ETSW0008		SVOL	22.99	17	J	UG/L	UNKNOWN
18_AC2	ETSW0008		SVOL	27.21	31	J	UG/L	UNKNOWN
18_AC2	ETSW0008		SVOL	32.46	15	J	UG/L	UNKNOWN
18_AC2	ETSW0008		SVOL	32.62	16	J	UG/L	UNKNOWN
18_AC2	ETSW0008		SVOL	32.69	9	J	UG/L	UNKNOWN
18_AC2	ETSW0008		SVOL	33.18	11	J	UG/L	UNKNOWN
18_AC2	ETSW0008		SVOL	35.79	12	J	UG/L	UNKNOWN
18_AC2	ETSW0008		SVOL	36.21	12	J	UG/L	UNKNOWN
18_AC2	ETSW0008		SVOL	36.54	11	J	UG/L	UNKNOWN
18_AC2	ETSW0008		SVOL	36.95	10	J	UG/L	UNKNOWN
18_AC2	ETSW0008		SVOL	37.60	10	J	UG/L	UNKNOWN
18_AC2	ETSW0008		SVOL	38.32	10	J	UG/L	UNKNOWN
18_AC2	ETSW0009		SVOL	12.87	21	J	UG/L	UNKNOWN
18_AC2	ETSW0009		SVOL	16.49	14	J	UG/L	UNKNOWN
18_AC2	ETSW0009		SVOL	22.80	34	J	UG/L	UNKNOWN
18_AC2	ETSW0009		SVOL	22.99	22	J	UG/L	UNKNOWN
18_AC2	ETSW0009		SVOL	27.20	32	J	UG/L	UNKNOWN
18_AC2	ETSW0009		SVOL	32.45	12	J	UG/L	UNKNOWN
18_AC2	ETSW0009		SVOL	32.60	12	J	UG/L	UNKNOWN
18_AC2	ETSW0009		SVOL	32.69	8	J	UG/L	UNKNOWN
18_AC2	ETSW0009		SVOL	33.17	9	J	UG/L	UNKNOWN
18_AC2	ETSW0009		SVOL	35.78	11	J	UG/L	UNKNOWN
18_AC2	ETSW0009		SVOL	36.20	11	J	UG/L	UNKNOWN
18_AC2	ETSW0009		SVOL	36.54	10	J	UG/L	UNKNOWN
18_AC2	ETSW0009		SVOL	36.94	9	J	UG/L	UNKNOWN
18_AC2	ETSW0009		SVOL	37.60	9	J	UG/L	UNKNOWN
18_AC2	ETSW0009		SVOL	38.31	9	J	UG/L	UNKNOWN
18_AC2	ETSW0030		SVOL	12.76	5	J	UG/L	UNKNOWN
18_AC2	ETSW0030		SVOL	16.39	14	J	UG/L	UNKNOWN
18_AC2	ETSW0030		SVOL	17.14	5	J	UG/L	UNKNOWN
18_AC2	ETSW0030		SVOL	27.07	3	J	UG/L	UNKNOWN
18_AC2	ETSW0030		SVOL	29.96	3	J	UG/L	UNKNOWN
18_AC2	ETSW0030		SVOL	31.76	2	J	UG/L	UNKNOWN
18_AC2	ETSW0030		SVOL	32.31	3	J	UG/L	UNKNOWN
18_AC2	ETSW0030		SVOL	32.46	3	J	UG/L	UNKNOWN
18_AC2	ETSW0030		SVOL	32.73	2	J	UG/L	UNKNOWN
18_AC2	ETSW0030		SVOL	32.85	3	J	UG/L	UNKNOWN
18_AC2	ETSW0031		SVOL	12.74	4	J	UG/L	UNKNOWN
18_AC2	ETSW0031		SVOL	22.63	2	J	UG/L	UNKNOWN
18_AC2	ETSW0031		SVOL	26.30	2	J	UG/L	UNKNOWN
18_AC2	ETSW0031		SVOL	27.05	3	J	UG/L	UNKNOWN
18_AC2	ETSW0031		SVOL	28.05	2	J	UG/L	UNKNOWN
18_AC2	ETSW0031		SVOL	29.93	3	J	UG/L	UNKNOWN
18_AC2	ETSW0031		SVOL	31.76	3	J	UG/L	UNKNOWN
18_AC2	ETSW0031		SVOL	32.31	2	J	UG/L	UNKNOWN
18_AC2	ETSW0031		SVOL	32.46	2	J	UG/L	UNKNOWN
18_AC2	ETSW0031		SVOL	32.73	2	J	UG/L	UNKNOWN
18_AC2	ETSW0031		SVOL	32.84	3	J	UG/L	UNKNOWN
18_AC2	ETSW0031		SVOL	6.71	5	J	UG/L	UNKNOWN
18_AC2	ETSW0008		SVOL	29.88	12	J	UG/L	UNKNOWN ACID ESTER
18_AC2	ETSW0009		SVOL	29.87	11	J	UG/L	UNKNOWN ACID ESTER
18_AC2	ETSW0008		SVOL	32.99	20	J	UG/L	UNKNOWN HYDROCARBON
18_AC2	ETSW0008		SVOL	33.46	42	J	UG/L	UNKNOWN HYDROCARBON
18_AC2	ETSW0009		SVOL	32.99	15	J	UG/L	UNKNOWN HYDROCARBON
18_AC2	ETSW0009		SVOL	33.46	35	J	UG/L	UNKNOWN HYDROCARBON
18_AC2	ETSW0030		SVOL	29.75	3	J	UG/L	UNKNOWN HYDROCARBON
18_AC2	ETSW0030		SVOL	30.78	2	J	UG/L	UNKNOWN HYDROCARBON
18_AC2	ETSW0030		SVOL	33.32	7	J	UG/L	UNKNOWN HYDROCARBON
18_AC2	ETSW0031		SVOL	29.75	2	J	UG/L	UNKNOWN HYDROCARBON
18_AC2	ETSW0031		SVOL	30.78	3	J	UG/L	UNKNOWN HYDROCARBON
18_AC2	ETSW0031		SVOL	33.31	7	J	UG/L	UNKNOWN HYDROCARBON
18_AC2	S1450052	0	SVOL	7.52	5	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL

Table C2-1a
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Surface Runoff Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
18_AC2	S1450052	0	VOL	15.39	10	U	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
18_AC2	S1450052	0	VOL	23.56	1	J	UG/L	UNKNOWN
18_AC2	S1450049	0	VOL	24.50	1	J	UG/L	UNKNOWN C10H14 SUB BENZENE
18_AC2	S1450049	0	VOL	24.69	1	J	UG/L	UNKNOWN C10H14 SUB BENZENE
18_AC2	S1450052	0	VOL	23.74	2	J	UG/L	UNKNOWN C10H14 SUB BENZENE
18_AC2	S1450052	0	VOL	24.43	2	J	UG/L	UNKNOWN C10H14 SUB BENZENE
18_AC2	S1450052	0	VOL	24.62	2	J	UG/L	UNKNOWN C10H14 SUB BENZENE
18_AC2	S1450052	0	VOL	25.57	1	J	UG/L	UNKNOWN C10H14 SUB BENZENE
18_AC2	S1450052	0	VOL	25.70	1	J	UG/L	UNKNOWN C10H14 SUB BENZENE
18_BE1	S1450054	0	SVOL	21.28	11	J	UG/L	UNKNOWN C8H9NO2
18_BE1	S1450054	0	VOL	23.09	1	J	UG/L	UNKNOWN
18_BE1	S1450054	0	VOL	6.30	2	J	UG/L	UNKNOWN
18_BE2	ETSW0006		SVOL	12.87	25	J	UG/L	ETHANOL,2-(2-BUTOXYETHOXY)-
18_BE2	ETSW0006		SVOL	16.47	13	J	UG/L	UNKNOWN
18_BE2	ETSW0006		SVOL	21.95	6	J	UG/L	UNKNOWN
18_BE2	ETSW0006		SVOL	27.17	6	J	UG/L	UNKNOWN
18_BE2	ETSW0006		SVOL	32.44	7	J	UG/L	UNKNOWN
18_BE2	ETSW0006		SVOL	32.59	7	J	UG/L	UNKNOWN
18_BE2	ETSW0006		SVOL	32.66	5	J	UG/L	UNKNOWN
18_BE2	ETSW0006		SVOL	34.27	5	J	UG/L	UNKNOWN
18_BE2	ETSW0006		SVOL	35.78	10	J	UG/L	UNKNOWN
18_BE2	ETSW0006		SVOL	36.19	10	J	UG/L	UNKNOWN
18_BE2	ETSW0006		SVOL	36.53	9	J	UG/L	UNKNOWN
18_BE2	ETSW0006		SVOL	36.93	9	J	UG/L	UNKNOWN
18_BE2	ETSW0006		SVOL	37.59	9	J	UG/L	UNKNOWN
18_BE2	ETSW0006		SVOL	37.90	5	J	UG/L	UNKNOWN
18_BE2	ETSW0006		SVOL	37.99	6	J	UG/L	UNKNOWN
18_BE2	ETSW0006		SVOL	38.30	9	J	UG/L	UNKNOWN
18_BE2	ETSW0007		SVOL	12.86	19	J	UG/L	UNKNOWN
18_BE2	ETSW0007		SVOL	16.46	11	J	UG/L	UNKNOWN
18_BE2	ETSW0007		SVOL	21.96	8	J	UG/L	UNKNOWN
18_BE2	ETSW0007		SVOL	27.18	7	J	UG/L	UNKNOWN
18_BE2	ETSW0007		SVOL	32.43	9	J	UG/L	UNKNOWN
18_BE2	ETSW0007		SVOL	32.59	8	J	UG/L	UNKNOWN
18_BE2	ETSW0007		SVOL	35.78	11	J	UG/L	UNKNOWN
18_BE2	ETSW0007		SVOL	36.19	12	J	UG/L	UNKNOWN
18_BE2	ETSW0007		SVOL	36.53	11	J	UG/L	UNKNOWN
18_BE2	ETSW0007		SVOL	36.93	11	J	UG/L	UNKNOWN
18_BE2	ETSW0007		SVOL	37.18	6	J	UG/L	UNKNOWN
18_BE2	ETSW0007		SVOL	37.58	10	J	UG/L	UNKNOWN
18_BE2	ETSW0007		SVOL	37.89	6	J	UG/L	UNKNOWN
18_BE2	ETSW0007		SVOL	37.99	6	J	UG/L	UNKNOWN
18_BE2	ETSW0007		SVOL	38.30	11	J	UG/L	UNKNOWN
18_BE2	ETSW0007		SVOL	39.09	6	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	22.66	7	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	22.85	3	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	27.07	12	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	28.68	2	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	29.75	7	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	31.76	4	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	32.17	4	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	32.30	7	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	32.47	7	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	32.57	3	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	32.73	3	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	32.85	8	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	33.02	3	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	6.80	6	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	8.72	11	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	8.83	9	J	UG/L	UNKNOWN
18_BE2	ETSW0028		SVOL	9.04	18	J	UG/L	UNKNOWN
18_BE2	ETSW0029		SVOL	22.64	7	J	UG/L	UNKNOWN
18_BE2	ETSW0029		SVOL	22.83	4	J	UG/L	UNKNOWN
18_BE2	ETSW0029		SVOL	27.06	11	J	UG/L	UNKNOWN
18_BE2	ETSW0029		SVOL	29.74	7	J	UG/L	UNKNOWN
18_BE2	ETSW0029		SVOL	30.78	2	J	UG/L	UNKNOWN
18_BE2	ETSW0029		SVOL	31.77	2	J	UG/L	UNKNOWN

Table C2-1a
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Surface Runoff Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
18_BE2	ETSW0029		SVOL	32.16	3	J	UG/L	UNKNOWN
18_BE2	ETSW0029		SVOL	32.32	7	J	UG/L	UNKNOWN
18_BE2	ETSW0029		SVOL	32.42	4	J	UG/L	UNKNOWN
18_BE2	ETSW0029		SVOL	32.47	6	J	UG/L	UNKNOWN
18_BE2	ETSW0029		SVOL	32.56	3	J	UG/L	UNKNOWN
18_BE2	ETSW0029		SVOL	33.03	2	J	UG/L	UNKNOWN
18_BE2	ETSW0029		SVOL	6.81	8	J	UG/L	UNKNOWN
18_BE2	ETSW0029		SVOL	8.72	13	J	UG/L	UNKNOWN
18_BE2	ETSW0029		SVOL	8.82	12	J	UG/L	UNKNOWN
18_BE2	ETSW0029		SVOL	9.05	21	J	UG/L	UNKNOWN
18_BE2	ETSW0006		SVOL	29.85	7	J	UG/L	UNKNOWN ACID ESTER
18_BE2	ETSW0007		SVOL	29.86	8	J	UG/L	UNKNOWN ACID ESTER
18_BE2	ETSW0029		SVOL	10.49	5	J	UG/L	UNKNOWN BENZENE METHYL METHYLETHYL
18_BE2	ETSW0028		SVOL	11.23	3	J	UG/L	UNKNOWN BENZENE TETRAMETHYL
18_BE2	ETSW0029		SVOL	11.23	4	J	UG/L	UNKNOWN BENZENE TETRAMETHYL
18_BE2	ETSW0006		SVOL	32.97	9	J	UG/L	UNKNOWN HYDROCARBON
18_BE2	ETSW0006		SVOL	33.14	5	J	UG/L	UNKNOWN HYDROCARBON
18_BE2	ETSW0006		SVOL	33.44	22	J	UG/L	UNKNOWN HYDROCARBON
18_BE2	ETSW0007		SVOL	32.67	6	J	UG/L	UNKNOWN HYDROCARBON
18_BE2	ETSW0007		SVOL	32.98	10	J	UG/L	UNKNOWN HYDROCARBON
18_BE2	ETSW0007		SVOL	33.45	25	J	UG/L	UNKNOWN HYDROCARBON
18_BE2	ETSW0028		SVOL	30.78	4	J	UG/L	UNKNOWN HYDROCARBON
18_BE2	ETSW0028		SVOL	33.31	20	J	UG/L	UNKNOWN HYDROCARBON
18_BE2	ETSW0029		SVOL	32.85	8	J	UG/L	UNKNOWN HYDROCARBON
18_BE2	ETSW0029		SVOL	33.32	19	J	UG/L	UNKNOWN HYDROCARBON
18_BE2	S1450055	0	SVOL	21.28	8	J	UG/L	UNKNOWN C8H9NO2
18_BE2	S1450056	0	VOL	25.33	10	J	UG/L	UNKNOWN SILOXANE
18_BO2	ETSW0032		SVOL	29.93	9	JN	UG/L	ETHANOL, 2-BUTOXY- PHOSPHATE
18_BO2	ETSW0010		SVOL	24.06	18	J	UG/L	UNKNOWN
18_BO2	ETSW0032		SVOL	17.96	7	J	UG/L	UNKNOWN
18_BO2	ETSW0032		SVOL	24.71	3	J	UG/L	UNKNOWN
18_BO2	ETSW0032		SVOL	26.76	2	J	UG/L	UNKNOWN
18_BO2	ETSW0032		SVOL	27.11	3	J	UG/L	UNKNOWN
18_BO2	ETSW0032		SVOL	29.67	2	J	UG/L	UNKNOWN
18_BO2	ETSW0032		SVOL	30.70	2	J	UG/L	UNKNOWN
18_BO2	ETSW0032		SVOL	31.68	2	J	UG/L	UNKNOWN
18_BO2	ETSW0032		SVOL	33.82	3	J	UG/L	UNKNOWN
18_BO2	ETSW0032		SVOL	8.66	6	J	UG/L	UNKNOWN
18_BO2	ETSW0032		SVOL	8.98	8	J	UG/L	UNKNOWN
18_BO2	ETSW0010		SVOL	18.03	5	J	UG/L	UNKNOWN C8H9 NO2
18_BO2	ETSW0010		SVOL	34.67	6	J	UG/L	UNKNOWN HYDROCARBON
18_DC1	ETSW0026		SVOL	29.75	2	J	UG/L	UNKNOWN
18_DC1	ETSW0026		SVOL	31.77	2	J	UG/L	UNKNOWN
18_DC1	ETSW0026		SVOL	30.78	2	J	UG/L	UNKNOWN HYDROCARBON
18_DC1	S1450057	0	SVOL	20.65	5	J	UG/L	UNKNOWN
18_DCAC	ETSW0025		SVOL	29.67	2	J	UG/L	UNKNOWN HYDROCARBON
18_DCAC	ETSW0025		SVOL	30.68	2	J	UG/L	UNKNOWN HYDROCARBON
18_DCAC	S1450050	0	SVOL	7.52	6	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
18_DCBE	ETSW0024		SVOL	30.77	2	J	UG/L	UNKNOWN
18_DCBE	ETSW0002		VOL	1.72	6	J	UG/L	UNKNOWN
18_DCBE	S1450048	0	SVOL	7.55	4	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
18_DCMC	ETSW0001		SVOL	17.79	5	J	UG/L	UNKNOWN
18_DCMC	ETSW0023		SVOL	14.85	5	J	UG/L	UNKNOWN
18_DCMC	ETSW0023		SVOL	16.88	5	J	UG/L	UNKNOWN
18_DCMC	ETSW0023		SVOL	12.71	26	J	UG/L	UNKNOWN CYCLOHEXENE METHANOL
18_DCMC	ETSW0023		SVOL	30.77	2	J	UG/L	UNKNOWN HYDROCARBON
18_DCMC	ETSW0001		VOL	1.73	9	J	UG/L	UNKNOWN
18_MC1	ETSW0015		SVOL	19.39	4	J	UG/L	BENZENEBUTANOIC ACID, 2,5-DIMETHYL
18_MC1	ETSW0015		SVOL	24.89	6	J	UG/L	UNKNOWN
18_MC1	ETSW0015		SVOL	32.79	4	J	UG/L	UNKNOWN
18_MC1	ETSW0038		SVOL	32.77	3	J	UG/L	UNKNOWN
18_MC1	ETSW0037		SVOL	28.59	2	J	UG/L	UNKNOWN HYDROCARBON
18_MC1	ETSW0037		SVOL	29.66	4	J	UG/L	UNKNOWN HYDROCARBON
18_MC1	ETSW0037		SVOL	30.68	4	J	UG/L	UNKNOWN HYDROCARBON
18_MC1	ETSW0037		SVOL	31.68	4	J	UG/L	UNKNOWN HYDROCARBON
18_MC1	ETSW0037		SVOL	32.63	4	J	UG/L	UNKNOWN HYDROCARBON
18_MC1	ETSW0037		SVOL	33.55	3	J	UG/L	UNKNOWN HYDROCARBON

Table C2-1a
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Surface Runoff Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
18_MC2	ETSW0005		SVOL	17.79	5	J	UG/L	UNKNOWN
18_MC2	ETSW0027		SVOL	6.97	5	J	UG/L	UNKNOWN
18_MC2	ETSW0027		SVOL	28.68	2	J	UG/L	UNKNOWN HYDROCARBON
18_MC2	ETSW0027		SVOL	29.75	4	J	UG/L	UNKNOWN HYDROCARBON
18_MC2	ETSW0027		SVOL	30.78	5	J	UG/L	UNKNOWN HYDROCARBON
18_MC2	ETSW0027		SVOL	31.77	4	J	UG/L	UNKNOWN HYDROCARBON
18_MC2	ETSW0027		SVOL	32.72	3	J	UG/L	UNKNOWN HYDROCARBON
18_MC2	S1450060	0	VOL	6.39	1	J	UG/L	UNKNOWN
18_MC2	S1450060	0	VOL	25.36	1	J	UG/L	UNKNOWN SILOXANE

(a) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
Site 1								
01_GN1	S1454004	0	SVOL	33.61	970	J	UG/KG	UNKNOWN HYDROCARBON
01_GN1	S1454004	0	SVOL	35.28	580	J	UG/KG	UNKNOWN HYDROCARBON
01_GN2	S1454000	0	SVOL	29.95	310	J	UG/KG	UNKNOWN HYDROCARBON
01_GN2	S1454000	0	SVOL	30.94	300	J	UG/KG	UNKNOWN HYDROCARBON
01_GN2	S1454000	0	SVOL	31.88	370	J	UG/KG	UNKNOWN HYDROCARBON
01_GN2	S1454000	0	SVOL	35.36	320	J	UG/KG	UNKNOWN HYDROCARBON
01_GN3	S1454006	0	SVOL	33.87	270	J	UG/KG	UNKNOWN
01_GN3	S1454006	0	SVOL	33.70	1200	J	UG/KG	UNKNOWN HYDROCARBON
01_GN3	S1454006	0	SVOL	35.39	620	J	UG/KG	UNKNOWN HYDROCARBON
Site 2								
02_EF2	S1451008	2	VOL	32.31	15	J	UG/KG	UNKNOWN
02_EF2	S1451078	4	SVOL	34.37	790	J	UG/KG	UNKNOWN
02_LF2	S1454011	0	VOL	438	12	J	UG/KG	UNKNOWN
02_LF3	S1454010	0	SVOL	35.81	660	J	UG/KG	UNKNOWN
02_LF3	S1454010	0	SVOL	35.86	830	J	UG/KG	UNKNOWN
02_LF3	S1454010	0	SVOL	35.96	1600	J	UG/KG	UNKNOWN HYDROCARBON
02_LF3	S1454010	0	SVOL	36.12	1500	J	UG/KG	UNKNOWN HYDROCARBON
02_LF3	S1454010	0	SVOL	36.22	420	J	UG/KG	UNKNOWN HYDROCARBON
02_LF3	S1454010	0	SVOL	36.53	1400	J	UG/KG	UNKNOWN HYDROCARBON
02_LF3	S1454010	0	SVOL	36.71	410	J	UG/KG	UNKNOWN HYDROCARBON
02_LF3	S1454010	0	SVOL	37.00	1900	J	UG/KG	UNKNOWN HYDROCARBON
02_LF3	S1454010	0	SVOL	38.29	410	J	UG/KG	UNKNOWN HYDROCARBON
02_LF3	S1454010	0	SVOL	40.34	390	J	UG/KG	UNKNOWN HYDROCARBON
02_LF3	S1454010RE	0	VOL	236	190	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
02_LF3	S1454010	0	VOL	642	10	JN	UG/KG	BICYCLO 2,2.1 HEPTAN-2-ONE,1,3,
02_LF3	S1454010RE	0	VOL	641	10	JN	UG/KG	BICYCLO 2,2.1 HEPTAN-2-ONE,1,3,
02_LF3	S1454010RE	0	VOL	448	3	JN	UG/KG	HEXANE,2-METHYL-
02_LF3	S1454010	0	VOL	177	13	J	UG/KG	UNKNOWN
02_LF3	S1454010	0	VOL	278	4	J	UG/KG	UNKNOWN
02_LF3	S1454010	0	VOL	438	9	J	UG/KG	UNKNOWN
02_LF3	S1454010RE	0	VOL	177	6	J	UG/KG	UNKNOWN
02_LF3	S1454010RE	0	VOL	278	4	J	UG/KG	UNKNOWN
02_LF3	S1454010RE	0	VOL	438	7	J	UG/KG	UNKNOWN
02_MM1	S1451013	2	SVOL	27.17	290	J	UG/KG	UNKNOWN
02_MM1	S1451013	2	SVOL	29.37	280	J	UG/KG	UNKNOWN
02_MM1	S1451013	2	SVOL	34.27	240	J	UG/KG	UNKNOWN HYDROCARBON
02_MM2	S1451010	0	SVOL	37.81	390	J	UG/KG	UNKNOWN
02_MM2	S1451010	0	SVOL	32.48	600	J	UG/KG	UNKNOWN HYDROCARBON
02_MM2	S1451010	0	SVOL	34.29	2400	J	UG/KG	UNKNOWN HYDROCARBON
02_MM2	S1451010	0	SVOL	35.99	1800	J	UG/KG	UNKNOWN HYDROCARBON
02_MM2	S1451010	0	SVOL	37.57	310	J	UG/KG	UNKNOWN HYDROCARBON
02_S&DB200	S1454012	0	SVOL	27.41	280	J	UG/KG	UNKNOWN
02_S&DB200	S1454012	0	SVOL	20.03	430	J	UG/KG	UNKNOWN HYDROCARBON
02_S&DB200	S1454012	0	SVOL	24.80	670	J	UG/KG	UNKNOWN HYDROCARBON
02_S&DB200	S1454012	0	SVOL	26.27	740	J	UG/KG	UNKNOWN HYDROCARBON
02_S&DB200	S1454012	0	SVOL	38.28	280	J	UG/KG	UNKNOWN HYDROCARBON
02_S&DB200	S1454012	0	SVOL	40.34	460	J	UG/KG	UNKNOWN HYDROCARBON
02_S&DB200	S1454012	0	SVOL	42.97	340	J	UG/KG	UNKNOWN HYDROCARBON
02_S&DB200	S1454012	0	VOL	448	5	JN	UG/KG	HEXANE,2-METHYL-
02_S&DB200	S1454012	0	VOL	413	3	JN	UG/KG	PENTANE, 2,3 DIMETHYL
02_S&DB200	S1454012	0	VOL	438	10	J	UG/KG	UNKNOWN
02_SA1	S1454467	0	SVOL	36.44	370	J	UG/KG	UNKNOWN HYDROCARBON
02_SA1	S1454467	0	SVOL	38.28	980	J	UG/KG	UNKNOWN HYDROCARBON
02_SA1	S1454467	0	SVOL	40.34	980	J	UG/KG	UNKNOWN HYDROCARBON
02_SA1	S1454467	0	SVOL	42.96	280	J	UG/KG	UNKNOWN HYDROCARBON
02_SA1	S1454467	0	VOL	236	190	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
02_SA1	S1454470	2	SVOL	11.09	500	J	UG/KG	UNKNOWN
02_SA1	S1454470	2	VOL	236	30	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
02_SA2	S1454480	0	SVOL	36.44	460	J	UG/KG	UNKNOWN HYDROCARBON
02_SA2	S1454480	0	SVOL	38.28	1600	J	UG/KG	UNKNOWN HYDROCARBON
02_SA2	S1454480	0	SVOL	40.34	710	J	UG/KG	UNKNOWN HYDROCARBON
02_SA2	S1454480	0	VOL	236	600	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
02_SA2	S1454480	0	VOL	448	9	J	UG/KG	HEXANE,2-METHYL-
02_SA2	S1454480	0	VOL	438	15	J	UG/KG	UNKNOWN
02_SA2	S1454485	2	SVOL	36.96	720	J	UG/KG	UNKNOWN
02_SA2	S1454485	2	SVOL	36.44	320	J	UG/KG	UNKNOWN HYDROCARBON
02_SA2	S1454485	2	SVOL	37.37	290	J	UG/KG	UNKNOWN HYDROCARBON
02_SA2	S1454485	2	SVOL	38.29	1000	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
02_SA3	S1454466	0	SVOL	19.05	5100	J	UG/KG	UNKNOWN
02_SA3	S1454466	0	SVOL	19.12	1800	J	UG/KG	UNKNOWN
02_SA3	S1454466	0	SVOL	24.64	2500	J	UG/KG	UNKNOWN
02_SA3	S1454466	0	SVOL	31.98	1900	J	UG/KG	UNKNOWN
02_SA3	S1454466	0	SVOL	32.10	3900	J	UG/KG	UNKNOWN
02_SA3	S1454466	0	SVOL	32.35	1500	J	UG/KG	UNKNOWN
02_SA3	S1454466	0	SVOL	33.19	2600	J	UG/KG	UNKNOWN
02_SA3	S1454466	0	SVOL	33.30	4500	J	UG/KG	UNKNOWN
02_SA3	S1454466	0	SVOL	33.59	3500	J	UG/KG	UNKNOWN
02_SA3	S1454466	0	SVOL	35.92	3200	J	UG/KG	UNKNOWN
02_SA3	S1454466	0	SVOL	36.30	1500	J	UG/KG	UNKNOWN
02_SA3	S1454466	0	SVOL	37.33	2000	J	UG/KG	UNKNOWN
02_SA3	S1454466	0	SVOL	37.54	1900	J	UG/KG	UNKNOWN
02_SA3	S1454466	0	SVOL	37.73	3800	J	UG/KG	UNKNOWN
02_SA3	S1454466	0	SVOL	37.90	1400	J	UG/KG	UNKNOWN
02_SA3	S1454492	0	SVOL	19.12	1600	J	UG/KG	UNKNOWN
02_SA3	S1454492	0	SVOL	24.63	2200	J	UG/KG	UNKNOWN
02_SA3	S1454492	0	SVOL	31.97	1700	J	UG/KG	UNKNOWN
02_SA3	S1454492	0	SVOL	32.07	3400	J	UG/KG	UNKNOWN
02_SA3	S1454492	0	SVOL	32.34	1700	J	UG/KG	UNKNOWN
02_SA3	S1454492	0	SVOL	33.18	2600	J	UG/KG	UNKNOWN
02_SA3	S1454492	0	SVOL	33.29	4600	J	UG/KG	UNKNOWN
02_SA3	S1454492	0	SVOL	33.58	3300	J	UG/KG	UNKNOWN
02_SA3	S1454492	0	SVOL	35.91	3500	J	UG/KG	UNKNOWN
02_SA3	S1454492	0	SVOL	37.31	2300	J	UG/KG	UNKNOWN
02_SA3	S1454492	0	SVOL	37.53	1600	J	UG/KG	UNKNOWN
02_SA3	S1454492	0	SVOL	37.73	4000	J	UG/KG	UNKNOWN
02_SA3	S1454492	0	SVOL	37.89	2200	J	UG/KG	UNKNOWN
02_SA3	S1454466	0	SVOL	17.69	4600	J	UG/KG	UNKNOWN C10H16
02_SA3	S1454492	0	SVOL	22.04	1300	J	UG/KG	UNKNOWN C10H16
02_SA3	S1454466	0	SVOL	16.75	4500	J	UG/KG	UNKNOWN C15H24
02_SA3	S1454466	0	SVOL	20.03	2100	J	UG/KG	UNKNOWN C15H24
02_SA3	S1454492	0	SVOL	16.75	4900	J	UG/KG	UNKNOWN C15H24
02_SA3	S1454492	0	SVOL	17.69	5000	J	UG/KG	UNKNOWN C15H24
02_SA3	S1454492	0	SVOL	19.05	4900	J	UG/KG	UNKNOWN C15H24
02_SA3	S1454492	0	SVOL	20.03	1900	J	UG/KG	UNKNOWN C15H24
02_SA3	S1454466	0	SVOL	34.01	1700	J	UG/KG	UNKNOWN HYDROCARBON
02_SA3	S1454466	0	SVOL	35.71	1200	J	UG/KG	UNKNOWN HYDROCARBON
02_SA3	S1454492	0	SVOL	34.00	2300	J	UG/KG	UNKNOWN HYDROCARBON
02_SA3	S1454492	0	SVOL	35.71	2100	J	UG/KG	UNKNOWN HYDROCARBON
02_SA3	S1454496	2	SVOL	32.01	460	J	UG/KG	UNKNOWN
02_SA3	S1454496	2	SVOL	33.14	360	J	UG/KG	UNKNOWN
02_SA3	S1454496	2	SVOL	33.25	730	J	UG/KG	UNKNOWN
02_SA3	S1454496	2	SVOL	33.52	380	J	UG/KG	UNKNOWN
02_SA3	S1454496	2	SVOL	37.47	380	J	UG/KG	UNKNOWN
02_SA3	S1454496	2	SVOL	37.63	390	J	UG/KG	UNKNOWN
02_SA3	S1454496	2	SVOL	37.82	690	J	UG/KG	UNKNOWN
02_SA3	S1454496	2	SVOL	16.73	1000	J	UG/KG	UNKNOWN C15H24
02_SA3	S1454496	2	SVOL	19.02	920	J	UG/KG	UNKNOWN C15H24
02_SA3	S1454496	2	SVOL	32.18	380	J	UG/KG	UNKNOWN HYDROCARBON
02_SA3	S1454496	2	SVOL	33.98	1400	J	UG/KG	UNKNOWN HYDROCARBON
02_SA3	S1454496	2	SVOL	35.67	1200	J	UG/KG	UNKNOWN HYDROCARBON
02_SA3	S1454496	2	SVOL	37.26	290	J	UG/KG	UNKNOWN HYDROCARBON
02_SA3	S1454499	4	SVOL	17.66	820	J	UG/KG	UNKNOWN
02_SA3	S1454499	4	SVOL	33.15	1400	J	UG/KG	UNKNOWN
02_SA3	S1454499	4	SVOL	33.26	2600	J	UG/KG	UNKNOWN
02_SA3	S1454499	4	SVOL	33.53	1900	J	UG/KG	UNKNOWN
02_SA3	S1454499	4	SVOL	35.87	690	J	UG/KG	UNKNOWN
02_SA3	S1454499	4	SVOL	36.24	460	J	UG/KG	UNKNOWN
02_SA3	S1454499	4	SVOL	37.26	440	J	UG/KG	UNKNOWN
02_SA3	S1454499	4	SVOL	37.48	1000	J	UG/KG	UNKNOWN
02_SA3	S1454499	4	SVOL	37.65	950	J	UG/KG	UNKNOWN
02_SA3	S1454499	4	SVOL	37.83	1300	J	UG/KG	UNKNOWN
02_SA3	S1454499	4	SVOL	22.04	480	J	UG/KG	UNKNOWN C10H16
02_SA3	S1454499	4	SVOL	31.94	520	J	UG/KG	UNKNOWN C10H16
02_SA3	S1454499	4	SVOL	32.01	1300	J	UG/KG	UNKNOWN C10H16
02_SA3	S1454499	4	SVOL	16.74	3900	J	UG/KG	UNKNOWN C15H24
02_SA3	S1454499	4	SVOL	18.65	670	J	UG/KG	UNKNOWN C15H24
02_SA3	S1454499	4	SVOL	19.03	3600	J	UG/KG	UNKNOWN C15H24

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
02_SA3	S1454499	4	SVOL	32.17	580	J	UG/KG	UNKNOWN HYDROCARBON
02_SA3	S1454499	4	SVOL	33.98	2400	J	UG/KG	UNKNOWN HYDROCARBON
02_SA3	S1454499	4	SVOL	35.67	1400	J	UG/KG	UNKNOWN HYDROCARBON
02_SA3	S1454499	4	VOL	12.02	27	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
02_WF1	S1451007	0	SVOL	34.68	410	J	UG/KG	UNKNOWN
02_WF1	S1451007	0	SVOL	32.86	470	J	UG/KG	UNKNOWN HYDROCARBON
02_WF1	S1451007	0	SVOL	36.36	290	J	UG/KG	UNKNOWN HYDROCARBON
02_WF1	S1451007	0	VOL	32.44	26	J	UG/KG	UNKNOWN SILOXANE
02_WF2	S1451005	0	SVOL	30.61	1200	J	UG/KG	UNKNOWN
02_WF2	S1451000	2	SVOL	34.68	770	J	UG/KG	UNKNOWN HYDROCARBON
02_WF2	S1451000	2	SVOL	36.37	610	J	UG/KG	UNKNOWN HYDROCARBON
Site 3								
03_AC1	S1451023	0	SVOL	3.89	2600	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
03_AC1	S1451023	0	VOL	234	140	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
03_AC2	S1451025	0	SVOL	15.54	1000	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	16.79	630	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	17.09	570	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	21.07	740	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	21.21	1100	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	21.32	640	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	21.72	810	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	22.30	1100	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	23.34	480	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	24.41	430	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	24.54	900	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	24.65	480	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	24.83	530	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	25.04	430	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	25.73	1000	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	27.94	2700	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	28.44	2700	J	UG/KG	UNKNOWN
03_AC2	S1451025	0	SVOL	33.16	2700	J	UG/KG	UNKNOWN HYDROCARBON
03_AC2	S1451025	0	VOL	234	27	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
03_AC2	S1451020	2	SVOL	25.17	620	JN	UG/KG	SULFUR,MOL.(S8)
03_AC2	S1451020	2	SVOL	14.09	420	J	UG/KG	UNKNOWN
03_AC2	S1451020	2	SVOL	14.35	620	J	UG/KG	UNKNOWN
03_AC2	S1451020	2	SVOL	15.33	490	J	UG/KG	UNKNOWN
03_AC2	S1451020	2	SVOL	15.99	320	J	UG/KG	UNKNOWN
03_AC2	S1451020	2	SVOL	16.39	260	J	UG/KG	UNKNOWN
03_AC2	S1451020	2	SVOL	31.95	490	J	UG/KG	UNKNOWN
03_AC2	S1451020	2	SVOL	32.07	1300	J	UG/KG	UNKNOWN
03_AC2	S1451020	2	SVOL	32.33	1300	J	UG/KG	UNKNOWN
03_AC2	S1451020	2	SVOL	32.78	950	J	UG/KG	UNKNOWN
03_AC2	S1451020	2	SVOL	35.64	290	J	UG/KG	UNKNOWN
03_AC2	S1451020	2	SVOL	35.98	410	J	UG/KG	UNKNOWN
03_AC2	S1451020	2	SVOL	36.35	280	J	UG/KG	UNKNOWN
03_AC2	S1451020	2	SVOL	13.88	450	J	UG/KG	UNKNOWN HYDROCARBON
03_AC2	S1451020	2	SVOL	14.02	350	J	UG/KG	UNKNOWN HYDROCARBON
03_AC2	S1451020	2	SVOL	32.61	1900	J	UG/KG	UNKNOWN HYDROCARBON
03_AC2	S1451020	2	SVOL	33.08	3900	J	UG/KG	UNKNOWN HYDROCARBON
03_AC2	S1451019	4	SVOL	10.41	1700	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	10.75	1400	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	12.65	950	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	12.75	1700	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	14.63	670	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	14.84	730	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	20.70	750	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	20.82	1200	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	20.95	720	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	21.34	650	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	24.23	710	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	31.56	1300	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	31.69	3000	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	32.22	3900	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	32.39	2300	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	32.69	6500	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	35.87	470	J	UG/KG	UNKNOWN
03_AC2	S1451019	4	SVOL	13.82	2300	J	UG/KG	UNKNOWN HYDROCARBON
03_AC2	S1451019	4	SVOL	15.64	1000	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
03_DBS	S1454017	0	SVOL	32.22	520	J	UG/KG	UNKNOWN
03_DBS	S1454017	0	SVOL	33.15	370	J	UG/KG	UNKNOWN
03_DBS	S1454017	0	SVOL	33.59	320	J	UG/KG	UNKNOWN
03_DBS	S1454017	0	SVOL	34.05	860	J	UG/KG	UNKNOWN
03_DBS	S1454017	0	SVOL	34.27	430	J	UG/KG	UNKNOWN
03_DBS	S1454017	0	SVOL	34.54	550	J	UG/KG	UNKNOWN
03_DBS	S1454017	0	SVOL	34.76	720	J	UG/KG	UNKNOWN
03_DBS	S1454017	0	SVOL	34.97	690	J	UG/KG	UNKNOWN
03_DBS	S1454017	0	SVOL	35.34	930	J	UG/KG	UNKNOWN
03_DBS	S1454017	0	SVOL	35.74	810	J	UG/KG	UNKNOWN
03_DBS	S1454017	0	SVOL	36.07	710	J	UG/KG	UNKNOWN
03_DBS	S1454017	0	SVOL	30.28	280	J	UG/KG	UNKNOWN HYDROCARBON
03_DBS	S1454017	0	SVOL	31.26	310	J	UG/KG	UNKNOWN HYDROCARBON
03_DBS	S1454017	0	VOL	21.97	7	J	UG/KG	UNKNOWN
03_DBS	S1454017	0	VOL	22.47	4	J	UG/KG	UNKNOWN
03_LF1	S1454014	0	SVOL	25.95	380	J	UG/KG	UNKNOWN
03_LF1	S1454014	0	SVOL	33.33	1	J	UG/KG	UNKNOWN
03_LF1	S1454014	0	SVOL	34.09	1300	J	UG/KG	UNKNOWN
03_LF1	S1454014	0	SVOL	34.59	1000	J	UG/KG	UNKNOWN
03_LF1	S1454014	0	SVOL	34.83	1300	J	UG/KG	UNKNOWN
03_LF1	S1454014	0	SVOL	35.04	1300	J	UG/KG	UNKNOWN
03_LF1	S1454014	0	SVOL	35.40	1700	J	UG/KG	UNKNOWN
03_LF1	S1454014	0	SVOL	35.76	1300	J	UG/KG	UNKNOWN
03_LF1	S1454014	0	SVOL	36.12	1600	J	UG/KG	UNKNOWN
03_LF1	S1454014	0	SVOL	36.89	950	J	UG/KG	UNKNOWN
03_LF1	S1454014	0	SVOL	20.85	420	J	UG/KG	UNKNOWN HYDROCARBON
03_LF1	S1454014	0	SVOL	22.27	430	J	UG/KG	UNKNOWN HYDROCARBON
03_LF2	S1454015	0	SVOL	32.20	340	J	UG/KG	UNKNOWN HYDROCARBON
03_LF2	S1454015	0	SVOL	34.00	720	J	UG/KG	UNKNOWN HYDROCARBON
03_LF2	S1454015	0	SVOL	35.70	750	J	UG/KG	UNKNOWN HYDROCARBON
03_LF2	S1454015	0	SVOL	37.27	440	J	UG/KG	UNKNOWN HYDROCARBON
03_LF3	S1454016	0	SVOL	3.59	3000	JN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
03_LF3	S1454016	0	SVOL	34.00	280	J	UG/KG	UNKNOWN HYDROCARBON
Site 4								
04_DBS	S1454021	0	SVOL	14.87	7000	JN	UG/KG	PHTHALIC ANHYDRIDE
04_DBS	S1454021	0	SVOL	11.50	740	J	UG/KG	UNKNOWN
04_DBS	S1454021	0	SVOL	12.85	840	J	UG/KG	UNKNOWN
04_DBS	S1454021	0	SVOL	13.67	930	J	UG/KG	UNKNOWN
04_DBS	S1454021	0	SVOL	14.03	900	J	UG/KG	UNKNOWN
04_DBS	S1454021	0	SVOL	14.49	1400	J	UG/KG	UNKNOWN
04_DBS	S1454021	0	SVOL	15.77	430	J	UG/KG	UNKNOWN
04_DBS	S1454021	0	SVOL	16.45	1000	J	UG/KG	UNKNOWN
04_DBS	S1454021	0	SVOL	16.57	490	J	UG/KG	UNKNOWN
04_DBS	S1454021	0	SVOL	16.81	400	J	UG/KG	UNKNOWN
04_DBS	S1454021	0	SVOL	17.03	1000	J	UG/KG	UNKNOWN
04_DBS	S1454021	0	SVOL	17.66	920	J	UG/KG	UNKNOWN
04_DBS	S1454021	0	SVOL	17.99	550	J	UG/KG	UNKNOWN
04_DBS	S1454021	0	SVOL	18.50	320	J	UG/KG	UNKNOWN
04_DBS	S1454021	0	SVOL	23.82	990	J	UG/KG	UNKNOWN
04_DBS	S1454021	0	SVOL	30.90	2500	J	UG/KG	UNKNOWN
04_DBS	S1454021	0	SVOL	6.83	770	J	UG/KG	UNKNOWN
04_DBS	S1454021	0	SVOL	34.81	9200	J	UG/KG	UNKNOWN PHTHALATE
04_DBS	S1454021	0	SVOL	37.40	11000	J	UG/KG	UNKNOWN PHTHALATE
04_DBS	S1454021	0	SVOL	39.16	12000	J	UG/KG	UNKNOWN PHTHALATE
04_DD1	S1454022	0	SVOL	15.01	11000	JN	UG/KG	FERROCENE
04_DD1	S1454022	0	SVOL	10.73	2600	J	UG/KG	UNKNOWN
04_DD1	S1454022	0	SVOL	20.80	7700	J	UG/KG	UNKNOWN
04_DD1	S1454022	0	SVOL	23.83	1600	J	UG/KG	UNKNOWN
04_DD1	S1454022	0	SVOL	25.96	1300	J	UG/KG	UNKNOWN
04_DD1	S1454022	0	SVOL	28.75	2200	J	UG/KG	UNKNOWN
04_DD1	S1454022	0	SVOL	28.95	4700	J	UG/KG	UNKNOWN
04_DD1	S1454022	0	SVOL	29.80	2200	J	UG/KG	UNKNOWN
04_DD1	S1454022	0	SVOL	31.72	1300	J	UG/KG	UNKNOWN
04_DD1	S1454022	0	SVOL	32.23	4400	J	UG/KG	UNKNOWN
04_DD1	S1454022	0	SVOL	34.69	3600	J	UG/KG	UNKNOWN
04_DD1	S1454022	0	SVOL	9.22	1500	J	UG/KG	UNKNOWN C9H8
04_DD1	S1454022	0	SVOL	10.49	1000	J	UG/KG	UNKNOWN C9H80
04_DD1	S1454022	0	SVOL	12.77	2200	J	UG/KG	UNKNOWN HYDROCARBON
04_DD1	S1454022	0	SVOL	13.03	1000	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
04_DD1	S1454022	0	SVOL	14.68	1100	J	UG/KG	UNKNOWN HYDROCARBON
04_DD1	S1454022	0	SVOL	11.00	940	J	UG/KG	UNKNOWN SUBSTITUTED BENZENE
04_DD1	S1454022	0	SVOL	7.46	2400	J	UG/KG	UNKNOWN SUBSTITUTED BENZENE
04_DD1	S1454022	0	SVOL	8.77	2500	J	UG/KG	UNKNOWN SUBSTITUTED BENZENE
04_DD1	S1454022	0	VOL	30.35	1000	JN	UG/KG	FERROCENE
04_DD1	S1454022RE	0	VOL	30.40	1100	JN	UG/KG	FERROCENE
04_DD1	S1454022RE	0	VOL	27.98	13	J	UG/KG	UNKNOWN
04_DD1	S1454023	2	SVOL	14.63	2700	JN	UG/KG	FERROCENE
04_DD1	S1454024	4	SVOL	14.74	4400	JN	UG/KG	FERROCENE
04_DD1	S1454024	4	SVOL	20.61	660	J	UG/KG	UNKNOWN
04_DD1	S1454024	4	SVOL	30.34	280	J	UG/KG	UNKNOWN HYDROCARBON
04_DD1	S1454024	4	SVOL	31.32	280	J	UG/KG	UNKNOWN HYDROCARBON
04_DD1	S1454024	4	VOL	30.76	18	JN	UG/KG	FERROCENE
04_DD1	S1454024	4	VOL	25.61	55	J	UG/KG	UNKNOWN BENZENE ETHYL METHYL
04_DD2	S1454025	0	SVOL	14.83	1100	JN	UG/KG	FERROCENE
04_DD2	S1454025	0	SVOL	27.55	280	J	UG/KG	UNKNOWN
04_DD2	S1454025	0	SVOL	28.69	470	J	UG/KG	UNKNOWN
04_DD2	S1454025	0	SVOL	28.83	410	J	UG/KG	UNKNOWN
04_DD2	S1454025	0	SVOL	29.42	350	J	UG/KG	UNKNOWN
04_DD2	S1454026	2	SVOL	14.63	870	JN	UG/KG	FERROCENE
04_DD2	S1454026	2	SVOL	32.63	4500	J	UG/KG	UNKNOWN
04_DD2	S1454026	2	SVOL	34.01	270	J	UG/KG	UNKNOWN
04_DD2	S1454026	2	SVOL	34.40	1400	J	UG/KG	UNKNOWN
04_DD2	S1454026	2	SVOL	35.31	310	J	UG/KG	UNKNOWN
04_DD2	S1454026	2	SVOL	35.69	250	J	UG/KG	UNKNOWN
04_DD2	S1454026	2	SVOL	36.03	340	J	UG/KG	UNKNOWN
04_DD2	S1454026	2	SVOL	29.22	900	J	UG/KG	UNKNOWN ACID ESTER
04_DD3	S1454028	0	SVOL	31.82	610	J	UG/KG	UNKNOWN
04_DD3	S1454028	0	SVOL	32.23	490	J	UG/KG	UNKNOWN
04_DD3	S1454028	0	SVOL	32.35	1000	J	UG/KG	UNKNOWN
04_DD3	S1454028	0	SVOL	36.04	480	J	UG/KG	UNKNOWN
04_DD3	S1454028	0	SVOL	36.77	670	J	UG/KG	UNKNOWN
04_DD3	S1454028	0	SVOL	37.06	840	J	UG/KG	UNKNOWN
04_DD3	S1454028	0	SVOL	37.51	1200	J	UG/KG	UNKNOWN
04_DD3	S1454028	0	SVOL	38.58	740	J	UG/KG	UNKNOWN
04_DD3	S1454393	0	SVOL	24.30	340	J	UG/KG	UNKNOWN
04_DD3	S1454393	0	SVOL	24.45	630	J	UG/KG	UNKNOWN
04_DD3	S1454393	0	SVOL	30.48	300	J	UG/KG	UNKNOWN
04_DD3	S1454393	0	SVOL	32.01	450	J	UG/KG	UNKNOWN
04_DD3	S1454393	0	SVOL	32.41	470	J	UG/KG	UNKNOWN
04_DD3	S1454393	0	SVOL	32.53	610	J	UG/KG	UNKNOWN
04_DD3	S1454393	0	SVOL	33.60	280	J	UG/KG	UNKNOWN
04_DD3	S1454393	0	SVOL	35.91	920	J	UG/KG	UNKNOWN
04_DD3	S1454393	0	SVOL	36.28	430	J	UG/KG	UNKNOWN
04_DD3	S1454393	0	SVOL	37.01	550	J	UG/KG	UNKNOWN
04_DD3	S1454393	0	SVOL	37.27	630	J	UG/KG	UNKNOWN
04_DD3	S1454393	0	SVOL	37.50	450	J	UG/KG	UNKNOWN
04_DD3	S1454393	0	SVOL	37.74	1400	J	UG/KG	UNKNOWN
04_DD3	S1454393	0	SVOL	38.85	430	J	UG/KG	UNKNOWN
04_DD3	S1454028	0	SVOL	25.98	1800	J	UG/KG	UNKNOWN HYDROCARBON
04_DD3	S1454028	0	SVOL	32.81	2200	J	UG/KG	UNKNOWN HYDROCARBON
04_DD3	S1454028	0	SVOL	34.03	670	J	UG/KG	UNKNOWN HYDROCARBON
04_DD3	S1454028	0	SVOL	35.71	560	J	UG/KG	UNKNOWN HYDROCARBON
04_DD3	S1454393	0	SVOL	26.15	810	J	UG/KG	UNKNOWN HYDROCARBON
04_DD3	S1454393	0	SVOL	33.00	1300	J	UG/KG	UNKNOWN HYDROCARBON
04_DD3	S1454393	0	SVOL	34.23	890	J	UG/KG	UNKNOWN HYDROCARBON
04_DD3	S1454029	2	SVOL	34.00	430	J	UG/KG	UNKNOWN HYDROCARBON
04_DD3	S1454029	2	SVOL	35.69	400	J	UG/KG	UNKNOWN HYDROCARBON
04_DD3	S1454030	4	SVOL	3.70	3100	JN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
04_SA1	S1454033	4	SVOL	3.57	3500	JN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
04_SA1	S1454033	4	SVOL	33.98	310	J	UG/KG	UNKNOWN HYDROCARBON
04_SA1	S1454033	4	SVOL	35.66	490	J	UG/KG	UNKNOWN HYDROCARBON
04_SA3	S1454037	0	SVOL	2194	14000	J	UG/KG	UNKNOWN
04_SA3	S1454037	0	SVOL	1636	350	J	UG/KG	UNKNOWN HYDROCARBON
04_SA3	S1454037	0	SVOL	2139	350	J	UG/KG	UNKNOWN HYDROCARBON
04_SA3	S1454039	4	SVOL	34.20	440	J	UG/KG	UNKNOWN HYDROCARBON
04_SA3	S1454039	4	SVOL	35.89	790	J	UG/KG	UNKNOWN HYDROCARBON
04_SA3	S1454039	4	SVOL	37.48	440	J	UG/KG	UNKNOWN HYDROCARBON

Site 5

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
05_DBS	S1454044	0	SVOL	2068	400	J	UG/KG	UNKNOWN HYDROCARBON
05_LF1	S1454041	0	SVOL	2102	340	J	UG/KG	UNKNOWN
05_LF1	S1454041	0	SVOL	2250	400	J	UG/KG	UNKNOWN
05_LF1	S1454041	0	SVOL	1901	270	J	UG/KG	UNKNOWN HYDROCARBON
05_LF1	S1454041	0	SVOL	1959	670	J	UG/KG	UNKNOWN HYDROCARBON
05_LF1	S1454041	0	SVOL	2016	270	J	UG/KG	UNKNOWN HYDROCARBON
05_LF1	S1454041	0	SVOL	2070	1700	J	UG/KG	UNKNOWN HYDROCARBON
05_LF1	S1454041	0	SVOL	2125	470	J	UG/KG	UNKNOWN HYDROCARBON
05_LF1	S1454041	0	SVOL	2185	1300	J	UG/KG	UNKNOWN HYDROCARBON
05_LF1	S1454041	0	SVOL	2334	530	J	UG/KG	UNKNOWN HYDROCARBON
05_LF1	S1454041	0	VOL	441	7	J	UG/KG	UNKNOWN
05_LF2	S1454042	0	SVOL	1958	470	J	UG/KG	UNKNOWN HYDROCARBON
05_LF2	S1454042	0	SVOL	2069	930	J	UG/KG	UNKNOWN HYDROCARBON
05_LF2	S1454042	0	SVOL	2184	600	J	UG/KG	UNKNOWN HYDROCARBON
05_LF3	S1454043	0	SVOL	2042	1900	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	2051	1300	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	2056	900	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	2083	1600	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	2098	1700	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	2104	2300	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	2109	2900	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	2119	1400	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	2128	2800	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	2143	4400	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	2156	3200	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	2166	2200	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	2174	933	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	2185	3700	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	2194	1000	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	2200	1200	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	2255	1500	J	UG/KG	UNKNOWN
05_LF3	S1454043	0	SVOL	1960	670	J	UG/KG	UNKNOWN HYDROCARBON
05_LF3	S1454043	0	SVOL	2072	4300	J	UG/KG	UNKNOWN HYDROCARBON
Site 6								
06_CBAC	S1451028	0	SVOL	26.83	320	J	UG/KG	UNKNOWN
06_CBAC	S1451028	0	SVOL	39.25	15000	J	UG/KG	UNKNOWN
06_CBAC	S1451028	0	SVOL	39.94	640	J	UG/KG	UNKNOWN
06_CBAC	S1451028	0	SVOL	38.70	280	J	UG/KG	UNKNOWN C20H12 PAH
06_CBAC	S1451028	0	SVOL	33.50	360	J	UG/KG	UNKNOWN HYDROCARBON
06_CBAC	S1451028	0	SVOL	35.55	310	J	UG/KG	UNKNOWN HYDROCARBON
06_CBAC	S1451028	0	SVOL	36.52	4100	J	UG/KG	UNKNOWN HYDROCARBON
06_CBAC	S1451028	0	SVOL	37.45	480	J	UG/KG	UNKNOWN HYDROCARBON
06_CBAC	S1451028	0	SVOL	38.03	1000	J	UG/KG	UNKNOWN HYDROCARBON
06_CBAC	S1451028	0	SVOL	38.41	7600	J	UG/KG	UNKNOWN HYDROCARBON
06_CBAC	S1451028	0	SVOL	39.37	330	J	UG/KG	UNKNOWN HYDROCARBON
06_CBAC	S1451028	0	SVOL	40.47	3000	J	UG/KG	UNKNOWN HYDROCARBON
06_CBAC	S1451028	0	SVOL	43.15	1300	J	UG/KG	UNKNOWN HYDROCARBON
06_CBAC	S1451028	0	SVOL	36.24	420	J	UG/KG	UNKNOWN PHOSPHORIC ACID ESTER
06_CBAC	S1451028	0	SVOL	36.85	610	J	UG/KG	UNKNOWN PHOSPHORIC ACID ESTER
06_DBS	S1454060	0	SVOL	36.54	490	J	UG/KG	UNKNOWN
06_DBS	S1454060	0	SVOL	37.39	580	J	UG/KG	UNKNOWN
06_DBS	S1454060	0	SVOL	41.70	530	J	UG/KG	UNKNOWN
06_DBS	S1454060	0	SVOL	19.53	1100	J	UG/KG	UNKNOWN HYDROCARBON
06_DBS	S1454060	0	SVOL	19.93	290	J	UG/KG	UNKNOWN HYDROCARBON
06_DBS	S1454060	0	SVOL	21.00	2300	J	UG/KG	UNKNOWN HYDROCARBON
06_DBS	S1454060	0	SVOL	21.31	370	J	UG/KG	UNKNOWN HYDROCARBON
06_DBS	S1454060	0	SVOL	21.61	640	J	UG/KG	UNKNOWN HYDROCARBON
06_DBS	S1454060	0	SVOL	22.50	400	J	UG/KG	UNKNOWN HYDROCARBON
06_DBS	S1454060	0	SVOL	22.68	350	J	UG/KG	UNKNOWN HYDROCARBON
06_DBS	S1454060	0	SVOL	23.20	470	J	UG/KG	UNKNOWN HYDROCARBON
06_DBS	S1454060	0	SVOL	24.70	330	J	UG/KG	UNKNOWN HYDROCARBON
06_DBS	S1454060	0	SVOL	24.81	2300	J	UG/KG	UNKNOWN HYDROCARBON
06_DBS	S1454060	0	SVOL	26.29	880	J	UG/KG	UNKNOWN HYDROCARBON
06_DBS	S1454060	0	SVOL	30.05	720	J	UG/KG	UNKNOWN HYDROCARBON
06_DBS	S1454060	0	SVOL	36.46	910	J	UG/KG	UNKNOWN HYDROCARBON
06_DBS	S1454060	0	SVOL	37.02	990	J	UG/KG	UNKNOWN HYDROCARBON
06_DBS	S1454060	0	SVOL	38.31	2800	J	UG/KG	UNKNOWN HYDROCARBON
06_DBS	S1454060	0	SVOL	40.37	3000	J	UG/KG	UNKNOWN HYDROCARBON
06_DBS	S1454060	0	SVOL	43.01	1400	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
06_DD1	S1454054	0	SVOL	34.73	520	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	35.75	2700	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	35.86	6700	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	36.02	14000	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	36.19	17000	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	36.29	8400	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	36.40	4600	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	36.60	20000	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	36.77	10000	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	37.09	25000	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	37.29	2900	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	38.35	3900	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	39.19	7700	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	40.27	1600	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	40.39	3700	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	40.64	2400	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	43.03	1200	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	43.13	1400	J	UG/KG	UNKNOWN
06_DD1	S1454054	0	SVOL	20.98	300	J	UG/KG	UNKNOWN HYDROCARBON
06_DD1	S1454054	0	SVOL	24.80	560	J	UG/KG	UNKNOWN HYDROCARBON
06_DD1	S1454055	2	SVOL	35.83	1300	J	UG/KG	UNKNOWN
06_DD1	S1454055	2	SVOL	36.24	1600	J	UG/KG	UNKNOWN
06_DD1	S1454055	2	SVOL	36.36	950	J	UG/KG	UNKNOWN
06_DD1	S1454055	2	SVOL	36.54	4300	J	UG/KG	UNKNOWN
06_DD1	S1454055	2	SVOL	36.73	2100	J	UG/KG	UNKNOWN
06_DD1	S1454055	2	SVOL	37.25	460	J	UG/KG	UNKNOWN
06_DD1	S1454055	2	SVOL	39.09	6200	J	UG/KG	UNKNOWN
06_DD1	S1454055	2	SVOL	40.59	360	J	UG/KG	UNKNOWN
06_DD1	S1454055	2	SVOL	35.98	3300	J	UG/KG	UNKNOWN HYDROCARBON
06_DD1	S1454055	2	SVOL	36.14	3700	J	UG/KG	UNKNOWN HYDROCARBON
06_DD1	S1454055	2	SVOL	37.02	8300	J	UG/KG	UNKNOWN HYDROCARBON
06_DD1	S1454055	2	SVOL	38.31	980	J	UG/KG	UNKNOWN HYDROCARBON
06_DD1	S1454055	2	SVOL	40.36	710	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454051	0	SVOL	26.75	550	J	UG/KG	UNKNOWN
06_DD2	S1454051	0	SVOL	33.43	270	J	UG/KG	UNKNOWN
06_DD2	S1454051	0	SVOL	35.20	410	J	UG/KG	UNKNOWN
06_DD2	S1454051	0	SVOL	35.71	580	J	UG/KG	UNKNOWN
06_DD2	S1454051	0	SVOL	35.82	1500	J	UG/KG	UNKNOWN
06_DD2	S1454051	0	SVOL	36.35	710	J	UG/KG	UNKNOWN
06_DD2	S1454051	0	SVOL	36.46	1600	J	UG/KG	UNKNOWN
06_DD2	S1454051	0	SVOL	37.24	730	J	UG/KG	UNKNOWN
06_DD2	S1454051	0	SVOL	37.75	630	J	UG/KG	UNKNOWN
06_DD2	S1454051	0	SVOL	32.34	300	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454051	0	SVOL	35.96	3800	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454051	0	SVOL	36.13	4000	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454051	0	SVOL	36.23	1400	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454051	0	SVOL	36.53	4600	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454051	0	SVOL	36.72	1600	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454051	0	SVOL	37.02	8200	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454051	0	SVOL	38.31	5200	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454051	0	SVOL	40.37	5000	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454051	0	SVOL	43.00	1800	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454052	2	SVOL	33.43	320	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454052	2	SVOL	35.47	550	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454052	2	SVOL	36.44	720	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454052	2	SVOL	37.01	540	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454052	2	SVOL	37.37	670	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454052	2	SVOL	38.29	1300	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454052	2	SVOL	39.26	310	J	UG/KG	UNKNOWN HYDROCARBON
06_DD2	S1454052	2	SVOL	40.34	590	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454048	0	SVOL	35.49	270	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454048	0	SVOL	35.96	560	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454048	0	SVOL	36.13	600	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454048	0	SVOL	36.45	1500	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454048	0	SVOL	36.53	760	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454048	0	SVOL	37.01	1500	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454048	0	SVOL	37.39	440	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454048	0	SVOL	38.31	6800	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454048	0	SVOL	39.28	510	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
06_DD3	S1454048	0	SVOL	40.37	7100	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454048	0	SVOL	41.59	320	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454048	0	SVOL	43.00	2700	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454048	0	VOL	21.92	6	J	UG/KG	UNKNOWN
06_DD3	S1454049	2	SVOL	33.42	1300	J	UG/KG	UNKNOWN
06_DD3	S1454049	2	SVOL	36.44	330	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454049	2	SVOL	38.29	1100	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454049	2	SVOL	40.34	670	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454469	2	SVOL	36.44	290	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454469	2	SVOL	38.29	770	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454469	2	SVOL	40.33	360	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454049	2	VOL	33.42	6300	J	UG/KG	UNKNOWN
06_DD3	S1454049	2	VOL	36.44	330	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454049	2	VOL	38.29	1100	J	UG/KG	UNKNOWN HYDROCARBON
06_DD3	S1454049	2	VOL	40.34	670	J	UG/KG	UNKNOWN HYDROCARBON
06_GN1	S1454047	0	SVOL	38.30	1100	J	UG/KG	UNKNOWN HYDROCARBON
06_GN1	S1454047	0	SVOL	40.36	420	J	UG/KG	UNKNOWN HYDROCARBON
06_GN1	S1454082	2	SVOL	14.15	290	J	UG/KG	UNKNOWN HYDROCARBON
06_GN1	S1454082	2	SVOL	16.22	340	J	UG/KG	UNKNOWN HYDROCARBON
06_GN1	S1454082	2	SVOL	33.43	280	J	UG/KG	UNKNOWN HYDROCARBON
06_GN1	S1454082	2	SVOL	35.48	390	J	UG/KG	UNKNOWN HYDROCARBON
06_GN1	S1454082	2	SVOL	36.46	430	J	UG/KG	UNKNOWN HYDROCARBON
06_GN1	S1454082	2	SVOL	37.38	330	J	UG/KG	UNKNOWN HYDROCARBON
06_GN1	S1454082	2	SVOL	38.29	830	J	UG/KG	UNKNOWN HYDROCARBON
06_GN1	S1454082	2	SVOL	40.35	330	J	UG/KG	UNKNOWN HYDROCARBON
06_GN1	S1454530	2	SVOL	36.45	320	J	UG/KG	UNKNOWN HYDROCARBON
06_GN1	S1454530	2	SVOL	38.29	2100	J	UG/KG	UNKNOWN HYDROCARBON
06_GN2	S1454163	0	SVOL	39.27	330	J	UG/KG	UNKNOWN
06_GN2	S1454163	0	SVOL	42.68	1800	J	UG/KG	UNKNOWN
06_GN2	S1454163	0	SVOL	35.48	320	J	UG/KG	UNKNOWN HYDROCARBON
06_GN2	S1454163	0	SVOL	36.45	790	J	UG/KG	UNKNOWN HYDROCARBON
06_GN2	S1454163	0	SVOL	37.39	380	J	UG/KG	UNKNOWN HYDROCARBON
06_GN2	S1454163	0	SVOL	38.29	3400	J	UG/KG	UNKNOWN HYDROCARBON
06_GN2	S1454163	0	SVOL	40.36	3000	J	UG/KG	UNKNOWN HYDROCARBON
06_GN2	S1454163	0	SVOL	42.99	1300	J	UG/KG	UNKNOWN HYDROCARBON
06_GN2	S1454164	2	SVOL	36.45	300	J	UG/KG	UNKNOWN HYDROCARBON
06_GN2	S1454164	2	SVOL	38.29	1400	J	UG/KG	UNKNOWN HYDROCARBON
06_GN2	S1454164	2	SVOL	40.34	920	J	UG/KG	UNKNOWN HYDROCARBON
06_GN2	S1454165	4	SVOL	38.28	840	J	UG/KG	UNKNOWN HYDROCARBON
06_GN2	S1454165	4	SVOL	40.33	420	J	UG/KG	UNKNOWN HYDROCARBON
06_GN3	S1454166	0	SVOL	36.66	1100	J	UG/KG	PHOSPHORIC ACID TRIS(3-METHYLPHENYL)
06_GN3	S1454166	0	SVOL	36.95	910	J	UG/KG	PHOSPHORIC ACID TRIS(3-METHYLPHENYL)
06_GN3	S1454166	0	SVOL	13.28	440	J	UG/KG	UNKNOWN
06_GN3	S1454166	0	SVOL	13.49	390	J	UG/KG	UNKNOWN
06_GN3	S1454166	0	SVOL	36.74	630	J	UG/KG	UNKNOWN
06_GN3	S1454166	0	SVOL	37.40	1700	J	UG/KG	UNKNOWN
06_GN3	S1454166	0	SVOL	37.70	570	J	UG/KG	UNKNOWN
06_GN3	S1454166	0	SVOL	37.85	640	J	UG/KG	UNKNOWN
06_GN3	S1454166	0	SVOL	30.16	430	J	UG/KG	UNKNOWN HYDROCARBON
06_GN3	S1454166	0	SVOL	32.47	350	J	UG/KG	UNKNOWN HYDROCARBON
06_GN3	S1454166	0	SVOL	33.56	630	J	UG/KG	UNKNOWN HYDROCARBON
06_GN3	S1454166	0	SVOL	34.60	870	J	UG/KG	UNKNOWN HYDROCARBON
06_GN3	S1454166	0	SVOL	35.61	900	J	UG/KG	UNKNOWN HYDROCARBON
06_GN3	S1454166	0	SVOL	36.58	1100	J	UG/KG	UNKNOWN HYDROCARBON
06_GN3	S1454166	0	SVOL	37.51	900	J	UG/KG	UNKNOWN HYDROCARBON
06_GN3	S1454166	0	SVOL	38.44	2100	J	UG/KG	UNKNOWN HYDROCARBON
06_GN3	S1454166	0	SVOL	40.56	1300	J	UG/KG	UNKNOWN HYDROCARBON
06_GN3	S1454166	0	SVOL	36.35	770	J	UG/KG	UNKNOWN PROPANOIC ACID ESTER
06_GN3	S1454167	2	SVOL	36.56	370	J	UG/KG	UNKNOWN HYDROCARBON
06_GN3	S1454167	2	SVOL	38.43	910	J	UG/KG	UNKNOWN HYDROCARBON
06_GN3	S1454167	2	SVOL	40.55	920	J	UG/KG	UNKNOWN HYDROCARBON
06_ST1	S1454057	0	SVOL	35.49	270	J	UG/KG	UNKNOWN
06_ST1	S1454057	0	SVOL	35.82	280	J	UG/KG	UNKNOWN
06_ST1	S1454057	0	SVOL	35.97	560	J	UG/KG	UNKNOWN
06_ST1	S1454057	0	SVOL	36.12	550	J	UG/KG	UNKNOWN
06_ST1	S1454057	0	SVOL	36.54	620	J	UG/KG	UNKNOWN
06_ST1	S1454057	0	SVOL	36.46	860	J	UG/KG	UNKNOWN HYDROCARBON
06_ST1	S1454057	0	SVOL	37.02	1400	J	UG/KG	UNKNOWN HYDROCARBON
06_ST1	S1454057	0	SVOL	37.39	330	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
06_ST1	S1454057	0	SVOL	38.31	3000	J	UG/KG	UNKNOWN HYDROCARBON
06_ST1	S1454057	0	SVOL	39.28	330	J	UG/KG	UNKNOWN HYDROCARBON
06_ST1	S1454057	0	SVOL	40.36	3100	J	UG/KG	UNKNOWN HYDROCARBON
06_ST1	S1454057	0	SVOL	43.00	1200	J	UG/KG	UNKNOWN HYDROCARBON
06_ST1	S1454058	2	SVOL	36.45	290	J	UG/KG	UNKNOWN HYDROCARBON
06_ST1	S1454058	2	SVOL	38.30	640	J	UG/KG	UNKNOWN HYDROCARBON
06_ST2	S1454001	0	SVOL	36.45	300	J	UG/KG	UNKNOWN HYDROCARBON
06_ST2	S1454001	0	SVOL	38.29	1100	J	UG/KG	UNKNOWN HYDROCARBON
06_ST2	S1454001	0	SVOL	40.36	710	J	UG/KG	UNKNOWN HYDROCARBON
06_ST2	S1454002	2	SVOL	33.43	430	J	UG/KG	UNKNOWN HYDROCARBON
06_ST2	S1454002	2	SVOL	35.48	900	J	UG/KG	UNKNOWN HYDROCARBON
06_ST2	S1454002	2	SVOL	36.45	1100	J	UG/KG	UNKNOWN HYDROCARBON
06_ST2	S1454002	2	SVOL	37.38	1200	J	UG/KG	UNKNOWN HYDROCARBON
06_ST2	S1454002	2	SVOL	38.30	1600	J	UG/KG	UNKNOWN HYDROCARBON
06_ST2	S1454002	2	SVOL	39.27	690	J	UG/KG	UNKNOWN HYDROCARBON
06_ST2	S1454002	2	SVOL	40.35	820	J	UG/KG	UNKNOWN HYDROCARBON
06_ST2	S1454468	2	SVOL	36.45	270	J	UG/KG	UNKNOWN HYDROCARBON
06_ST2	S1454468	2	SVOL	38.30	600	J	UG/KG	UNKNOWN HYDROCARBON
06_ST3	S1454045	0	SVOL	26.30	1200	J	UG/KG	UNKNOWN
06_ST3	S1454045	0	SVOL	35.85	2600	J	UG/KG	UNKNOWN
06_ST3	S1454045	0	SVOL	36.18	6300	J	UG/KG	UNKNOWN
06_ST3	S1454045	0	SVOL	36.59	7600	J	UG/KG	UNKNOWN
06_ST3	S1454045	0	SVOL	38.37	2700	J	UG/KG	UNKNOWN
06_ST3	S1454045	0	SVOL	40.45	2900	J	UG/KG	UNKNOWN
06_ST3	S1454045	0	SVOL	19.53	560	J	UG/KG	UNKNOWN HYDROCARBON
06_ST3	S1454045	0	SVOL	21.00	1100	J	UG/KG	UNKNOWN HYDROCARBON
06_ST3	S1454045	0	SVOL	21.61	390	J	UG/KG	UNKNOWN HYDROCARBON
06_ST3	S1454045	0	SVOL	24.81	1500	J	UG/KG	UNKNOWN HYDROCARBON
06_ST3	S1454045	0	SVOL	30.05	2000	J	UG/KG	UNKNOWN HYDROCARBON
06_ST3	S1454045	0	SVOL	36.01	5800	J	UG/KG	UNKNOWN HYDROCARBON
06_ST3	S1454045	0	SVOL	37.08	6100	J	UG/KG	UNKNOWN HYDROCARBON
06_ST3	S1454005	2	SVOL	33.43	560	J	UG/KG	UNKNOWN
06_ST3	S1454005	2	SVOL	36.46	340	J	UG/KG	UNKNOWN
Site 7								
07_DD1	S1454074	0	SVOL	32.37	260	J	UG/KG	UNKNOWN HYDROCARBON
07_DD1	S1454074	0	SVOL	36.48	850	J	UG/KG	UNKNOWN HYDROCARBON
07_DD1	S1454074	0	SVOL	38.33	1800	J	UG/KG	UNKNOWN HYDROCARBON
07_DD1	S1454074	0	SVOL	40.39	2500	J	UG/KG	UNKNOWN HYDROCARBON
07_DD1	S1454074	0	SVOL	43.03	950	J	UG/KG	UNKNOWN HYDROCARBON
07_DD1	S1454074	0	VOL	21.92	9	J	UG/KG	UNKNOWN
07_DD1	S1454074	0	VOL	22.47	6	J	UG/KG	UNKNOWN
07_DD1	S1454075	2	SVOL	38.33	450	J	UG/KG	UNKNOWN HYDROCARBON
07_DD1	S1454075	2	SVOL	40.40	390	J	UG/KG	UNKNOWN HYDROCARBON
07_DD2	S1454062	0	SVOL	36.48	270	J	UG/KG	UNKNOWN HYDROCARBON
07_DD2	S1454062	0	SVOL	38.33	760	J	UG/KG	UNKNOWN HYDROCARBON
07_DD2	S1454062	0	VOL	21.96	6	J	UG/KG	UNKNOWN
07_DD2	S1454062	0	VOL	30.36	3	J	UG/KG	UNKNOWN
07_DD2	S1454472	0	VOL	21.96	4	J	UG/KG	UNKNOWN
07_DD2	S1454472	0	VOL	22.47	5	J	UG/KG	UNKNOWN
07_DD2	S1454472	0	VOL	31.04	5	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	SVOL	23.38	270	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	SVOL	24.51	350	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	SVOL	24.75	740	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	SVOL	24.92	680	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	SVOL	29.38	1900	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	SVOL	29.63	1900	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	SVOL	30.10	1400	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	SVOL	32.70	1900	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	SVOL	35.30	2900	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	SVOL	36.36	2300	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	SVOL	40.76	1700	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	SVOL	41.72	1900	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	SVOL	42.69	2100	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	SVOL	43.48	1900	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	SVOL	43.79	1700	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	SVOL	24.76	740	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	SVOL	24.93	700	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	SVOL	25.07	740	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	SVOL	25.33	470	J	UG/KG	UNKNOWN

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
07_GN1	S1454096RE	0	SVOL	27.46	1600	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	SVOL	29.37	1500	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	SVOL	29.64	1700	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	SVOL	30.1	1300	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	SVOL	31.74	2300	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	SVOL	32.69	2300	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	SVOL	35.31	2700	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	SVOL	36.4	2100	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	SVOL	41.73	2100	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	SVOL	42.72	2100	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	SVOL	43.51	1700	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	SVOL	24.82	2400	J	UG/KG	UNKNOWN HYDROCARBON
07_GN1	S1454096	0	SVOL	26.31	3500	J	UG/KG	UNKNOWN HYDROCARBON
07_GN1	S1454096	0	SVOL	27.45	1600	J	UG/KG	UNKNOWN HYDROCARBON
07_GN1	S1454096RE	0	SVOL	24.83	2700	J	UG/KG	UNKNOWN HYDROCARBON
07_GN1	S1454096RE	0	SVOL	26.32	3500	J	UG/KG	UNKNOWN HYDROCARBON
07_GN1	S1454096	0	VOL	21.92	4	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	VOL	26.84	5	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	VOL	30.40	18	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	VOL	31.86	17	J	UG/KG	UNKNOWN
07_GN1	S1454096	0	VOL	9.11	8	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	VOL	21.92	5	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	VOL	26.80	5	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	VOL	30.72	13	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	VOL	31.86	19	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	VOL	5.73	7	J	UG/KG	UNKNOWN
07_GN1	S1454096RE	0	VOL	9.15	6	J	UG/KG	UNKNOWN
07_GN1	S1454558	2	SVOL	38.32	490	J	UG/KG	UNKNOWN
07_GN1	S1454558	2	SVOL	40.38	400	J	UG/KG	UNKNOWN
07_GN1	S1454105	2	VOL	22.46	6	J	UG/KG	UNKNOWN
07_GN1	S1454105	2	VOL	31.13	7	J	UG/KG	UNKNOWN
07_GN1	S1454558	2	VOL	30.49	11	J	UG/KG	UNKNOWN
07_GN2	S1454083	0	SVOL	37.95	4200	J	UG/KG	UNKNOWN
07_GN2	S1454083	0	SVOL	38.05	3600	J	UG/KG	UNKNOWN
07_GN2	S1454083	0	SVOL	38.36	5400	J	UG/KG	UNKNOWN
07_GN2	S1454083	0	SVOL	39.04	4500	J	UG/KG	UNKNOWN
07_GN2	S1454083	0	SVOL	39.48	4600	J	UG/KG	UNKNOWN
07_GN2	S1454083	0	SVOL	39.77	4200	J	UG/KG	UNKNOWN
07_GN2	S1454083	0	SVOL	39.98	4500	J	UG/KG	UNKNOWN
07_GN2	S1454083	0	SVOL	40.18	4900	J	UG/KG	UNKNOWN
07_GN2	S1454083	0	SVOL	40.20	5400	J	UG/KG	UNKNOWN
07_GN2	S1454083	0	SVOL	40.49	5600	J	UG/KG	UNKNOWN
07_GN2	S1454083	0	SVOL	40.73	5100	J	UG/KG	UNKNOWN
07_GN2	S1454083	0	SVOL	41.80	4800	J	UG/KG	UNKNOWN
07_GN2	S1454083	0	SVOL	42.36	2000	J	UG/KG	UNKNOWN
07_GN2	S1454083	0	SVOL	43.23	5200	J	UG/KG	UNKNOWN
07_GN2	S1454083	0	SVOL	43.42	2700	J	UG/KG	UNKNOWN
07_GN2	S1454083	0	SVOL	24.82	440	J	UG/KG	UNKNOWN HYDROCARBON
07_GN2	S1454083	0	SVOL	26.30	560	J	UG/KG	UNKNOWN HYDROCARBON
07_GN2	S1454080	2	SVOL	38.01	800	J	UG/KG	UNKNOWN
07_GN2	S1454080	2	SVOL	38.34	1300	J	UG/KG	UNKNOWN
07_GN2	S1454080	2	SVOL	39.74	860	J	UG/KG	UNKNOWN
07_GN2	S1454080	2	SVOL	39.97	800	J	UG/KG	UNKNOWN
07_GN2	S1454080	2	SVOL	40.15	690	J	UG/KG	UNKNOWN
07_GN2	S1454080	2	SVOL	41.54	1100	J	UG/KG	UNKNOWN
07_GN2	S1454080	2	SVOL	41.73	1100	J	UG/KG	UNKNOWN
07_GN2	S1454080	2	SVOL	42.52	690	J	UG/KG	UNKNOWN
07_GN2	S1454080	2	VOL	32.37	6	J	UG/KG	UNKNOWN
07_GN3	S1454070	0	SVOL	57	15000	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
07_GN3	S1454070	0	VOL	20.58	1	JBN	UG/KG	CYCLOTETRASILOXANE OCTAMETHYL
07_GN3	S1454070	0	VOL	15.13	1	JBN	UG/KG	CYCLOTRISILOXANE,HEXAMETHYL-
07_GN3	S1454070	0	VOL	436	6	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	57	6400	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
07_GN3	S1454061	2	SVOL	1480	3100	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1492	3800	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1499	2500	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1503	2500	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1509	2000	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1515	2300	J	UG/KG	UNKNOWN

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
07_GN3	S1454061	2	SVOL	1526	8800	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1533	6100	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1545	9400	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1558	3700	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1575	4100	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1579	6500	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1595	4800	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1606	3000	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1616	2300	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1626	2500	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1640	4100	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1649	3800	J	UG/KG	UNKNOWN
07_GN3	S1454061	2	SVOL	1697	3900	J	UG/KG	UNKNOWN
07_NP1	S1454087	0	SVOL	28.74	670	JN	UG/KG	9,10-ANTRHACENE DIONE
07_NP1	S1454087	0	SVOL	33.40	570	J	UG/KG	UNKNOWN
07_NP1	S1454087	0	SVOL	34.05	550	J	UG/KG	UNKNOWN
07_NP1	S1454087	0	SVOL	39.11	1700	J	UG/KG	UNKNOWN
07_NP1	S1454087	0	SVOL	31.78	380	J	UG/KG	UNKNOWN C17H12 PAH
07_NP1	S1454087	0	SVOL	35.91	530	J	UG/KG	UNKNOWN C19H14 PAH
07_NP1	S1454087	0	SVOL	38.47	1700	J	UG/KG	UNKNOWN C20H12 PAH
07_NP1	S1454087	0	SVOL	36.00	740	J	UG/KG	UNKNOWN HYDROCARBON
07_NP1	S1454087	0	SVOL	36.48	540	J	UG/KG	UNKNOWN HYDROCARBON
07_NP1	S1454087	0	SVOL	36.56	1100	J	UG/KG	UNKNOWN HYDROCARBON
07_NP1	S1454087	0	SVOL	36.76	500	J	UG/KG	UNKNOWN HYDROCARBON
07_NP1	S1454087	0	SVOL	37.05	2000	J	UG/KG	UNKNOWN HYDROCARBON
07_NP1	S1454087	0	SVOL	38.34	870	J	UG/KG	UNKNOWN HYDROCARBON
07_NP1	S1454087	0	SVOL	40.40	760	J	UG/KG	UNKNOWN HYDROCARBON
07_NP1	S1454087	0	SVOL	33.85	490	J	UG/KG	UNKNOWN PAH
07_NP1	S1454087	0	SVOL	36.12	1500	J	UG/KG	UNKNOWN PHTHALATE
07_NP1	S1454087	0	SVOL	37.30	390	J	UG/KG	UNKNOWN PHTHALATE
07_NP1	S1454087	0	SVOL	38.06	870	J	UG/KG	UNKNOWN PHTHALATE
07_NP1	S1454087	0	VOL	21.96	10	J	UG/KG	UNKNOWN
07_NP1	S1454087	0	VOL	22.47	6	J	UG/KG	UNKNOWN
07_NP1	S1454089	2	SVOL	38.31	320	J	UG/KG	UNKNOWN HYDROCARBON
07_NP1	S1454089	2	VOL	22.46	5	J	UG/KG	UNKNOWN
07_NP2	S1454092	0	SVOL	28.75	370	JN	UG/KG	9,10-ANTRHACENE DIONE
07_NP2	S1454092	0	SVOL	35.77	300	J	UG/KG	UNKNOWN
07_NP2	S1454092	0	SVOL	35.85	640	J	UG/KG	UNKNOWN
07_NP2	S1454092	0	SVOL	35.90	760	J	UG/KG	UNKNOWN
07_NP2	S1454092	0	SVOL	36.01	1100	J	UG/KG	UNKNOWN
07_NP2	S1454092	0	SVOL	36.28	510	J	UG/KG	UNKNOWN
07_NP2	S1454092	0	SVOL	36.40	310	J	UG/KG	UNKNOWN
07_NP2	S1454092	0	SVOL	36.48	430	J	UG/KG	UNKNOWN
07_NP2	S1454092	0	SVOL	39.11	910	J	UG/KG	UNKNOWN
07_NP2	S1454092	0	SVOL	38.46	710	J	UG/KG	UNKNOWN C20H12 PAH
07_NP2	S1454092	0	SVOL	36.57	1300	J	UG/KG	UNKNOWN HYDROCARBON
07_NP2	S1454092	0	SVOL	36.76	570	J	UG/KG	UNKNOWN HYDROCARBON
07_NP2	S1454092	0	SVOL	37.05	2600	J	UG/KG	UNKNOWN HYDROCARBON
07_NP2	S1454092	0	SVOL	38.34	540	J	UG/KG	UNKNOWN HYDROCARBON
07_NP2	S1454092	0	SVOL	40.39	320	J	UG/KG	UNKNOWN HYDROCARBON
07_NP2	S1454092	0	SVOL	36.13	1400	J	UG/KG	UNKNOWN PHTHALATE
07_NP2	S1454092	0	SVOL	38.05	500	J	UG/KG	UNKNOWN PHTHALATE
07_NP2	S1454092	0	VOL	2.10	13	J	UG/KG	UNKNOWN
07_NP2	S1454092	0	VOL	21.93	7	J	UG/KG	UNKNOWN
07_NP2	S1454092	0	VOL	22.43	3	J	UG/KG	UNKNOWN
07_NP2	S1454473	2	SVOL	36.16	300	J	UG/KG	UNKNOWN
07_NP2	S1454473	2	SVOL	36.56	280	J	UG/KG	UNKNOWN
07_NP2	S1454473	2	SVOL	39.11	1400	J	UG/KG	UNKNOWN
07_NP2	S1454473	2	SVOL	37.05	660	J	UG/KG	UNKNOWN HYDROCARBON
07_NP2	S1454473	2	VOL	21.94	8	J	UG/KG	UNKNOWN
07_NP2	S1454473	2	VOL	22.44	4	J	UG/KG	UNKNOWN
07_NP3	S1454095	0	SVOL	38.33	400	J	UG/KG	UNKNOWN HYDROCARBON
07_NP3	S1454095	0	VOL	21.92	9	J	UG/KG	UNKNOWN
07_NP3	S1454095	0	VOL	22.42	10	J	UG/KG	UNKNOWN
07_OP1	S1454069	0	SVOL	1575	430	J	UG/KG	UNKNOWN
07_OP1	S1454069	0	SVOL	692	430	J	UG/KG	UNKNOWN
07_OP1	S1454069	0	SVOL	1402	1000	J	UG/KG	UNKNOWN HYDROCARBON
07_OP1	S1454069	0	SVOL	1418	500	J	UG/KG	UNKNOWN HYDROCARBON
07_OP1	S1454069	0	SVOL	1429	4500	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
07_OP1	S1454069	0	SVOL	1434	4000	J	UG/KG	UNKNOWN HYDROCARBON
07_OP1	S1454069	0	SVOL	1442	6900	J	UG/KG	UNKNOWN HYDROCARBON
07_OP1	S1454069	0	SVOL	1447	3200	J	UG/KG	UNKNOWN HYDROCARBON
07_OP1	S1454069	0	SVOL	1461	8400	J	UG/KG	UNKNOWN HYDROCARBON
07_OP1	S1454069	0	SVOL	1470	5400	J	UG/KG	UNKNOWN HYDROCARBON
07_OP1	S1454069	0	SVOL	1485	14000	J	UG/KG	UNKNOWN HYDROCARBON
07_OP1	S1454069	0	SVOL	564	500	J	UG/KG	UNKNOWN HYDROCARBON
07_OP1	S1454069	0	SVOL	654	860	J	UG/KG	UNKNOWN HYDROCARBON
07_OP1	S1454069	0	SVOL	723	580	J	UG/KG	UNKNOWN HYDROCARBON
07_OP1	S1454069	0	SVOL	729	360	J	UG/KG	UNKNOWN HYDROCARBON
07_OP2	S1454076	0	SVOL	7.74	7900	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
07_OP3	S1454084	2	SVOL	56	5400	J	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
07_OP3	S1454084	2	VOL	32.36	12	JN	UG/KG	CYCLOTETRASILOXANE OCTAMETHYL
07_ST1	S1454098	0	SVOL	38.32	640	J	UG/KG	UNKNOWN
07_ST1	S1454098	0	SVOL	39.67	1100	J	UG/KG	UNKNOWN
07_ST1	S1454098	0	SVOL	40.39	800	J	UG/KG	UNKNOWN
07_ST1	S1454098	0	SVOL	41.58	800	J	UG/KG	UNKNOWN
07_ST1	S1454098	0	VOL	21.97	5	J	UG/KG	UNKNOWN
07_ST1	S1454107	2	SVOL	37.41	270	J	UG/KG	UNKNOWN
07_ST1	S1454107	2	SVOL	35.50	290	J	UG/KG	UNKNOWN HYDROCARBON
07_ST1	S1454107	2	SVOL	36.47	430	J	UG/KG	UNKNOWN HYDROCARBON
07_ST1	S1454107	2	SVOL	38.33	700	J	UG/KG	UNKNOWN HYDROCARBON
07_ST1	S1454107	2	SVOL	40.39	450	J	UG/KG	UNKNOWN HYDROCARBON
07_ST2	S1454102	0	SVOL	17.52	8800	J	UG/KG	UNKNOWN
07_ST2	S1454102	0	VOL	223	10	JN	UG/KG	DIETHYL ETHER
07_ST2	S1454102	0	VOL	443	8	JN	UG/KG	HEXANE,2-METHYL-
07_ST2	S1454102	0	VOL	409	6	JN	UG/KG	PENTANE, 2,3 DIMETHYL
07_ST2	S1454097	4	VOL	223	12	JN	UG/KG	DIETHYL ETHER
07_ST3	S1454072	0	SVOL	20.83	1100	J	UG/KG	UNKNOWN
07_ST3	S1454072	0	SVOL	29.30	1100	J	UG/KG	UNKNOWN
07_ST3	S1454072	0	SVOL	31.41	3000	J	UG/KG	UNKNOWN
07_ST3	S1454072	0	SVOL	33.90	9200	J	UG/KG	UNKNOWN
07_ST3	S1454072	0	SVOL	34.17	4800	J	UG/KG	UNKNOWN
07_ST3	S1454072	0	SVOL	34.68	3400	J	UG/KG	UNKNOWN
07_STDB	S1454073	0	SVOL	23.58	530	JN	UG/KG	9,10-ANTHRACENEDIONE
07_STDB	S1454073	0	SVOL	20.85	340	J	UG/KG	UNKNOWN
07_STDB	S1454073	0	SVOL	24.08	1500	J	UG/KG	UNKNOWN
07_STDB	S1454073	0	SVOL	25.36	750	J	UG/KG	UNKNOWN
07_STDB	S1454073	0	SVOL	34.17	2800	J	UG/KG	UNKNOWN
07_STDB	S1454073	0	SVOL	34.68	2300	J	UG/KG	UNKNOWN
07_STDB	S1454572	0	SVOL	13.34	2600	J	UG/KG	UNKNOWN
07_STDB	S1454572	0	SVOL	34.12	2000	J	UG/KG	UNKNOWN
07_STDB	S1454572	0	SVOL	34.28	1400	J	UG/KG	UNKNOWN
07_STDB	S1454572	0	SVOL	34.64	1600	J	UG/KG	UNKNOWN
07_STDB	S1454572	0	VOL	22.04	10	J	UG/KG	UNKNOWN
07_STDB	S1454572	0	VOL	22.49	11	J	UG/KG	UNKNOWN
07_STDB	S1454572RE	0	VOL	22.04	6	J	UG/KG	UNKNOWN
Site 8								
08_GN1	S1454113	0	SVOL	37.37	820	J	UG/KG	UNKNOWN
08_GN1	S1454113	0	SVOL	38.05	880	J	UG/KG	UNKNOWN
08_GN1	S1454113	0	SVOL	38.21	780	J	UG/KG	UNKNOWN
08_GN1	S1454113	0	SVOL	38.47	1500	J	UG/KG	UNKNOWN
08_GN1	S1454113	0	SVOL	39.27	1900	J	UG/KG	UNKNOWN
08_GN1	S1454113	0	SVOL	39.63	1800	J	UG/KG	UNKNOWN
08_GN1	S1454113	0	SVOL	39.90	1900	J	UG/KG	UNKNOWN
08_GN1	S1454113	0	SVOL	40.12	1600	J	UG/KG	UNKNOWN
08_GN1	S1454113	0	SVOL	40.37	1000	J	UG/KG	UNKNOWN
08_GN1	S1454113	0	SVOL	40.67	1300	J	UG/KG	UNKNOWN
08_GN1	S1454113	0	SVOL	40.96	1200	J	UG/KG	UNKNOWN
08_GN1	S1454113	0	SVOL	42.06	1000	J	UG/KG	UNKNOWN
08_GN1	S1454114	2	SVOL	34.57	280	J	UG/KG	UNKNOWN HYDROCARBON
08_GN1	S1454114	2	SVOL	35.57	300	J	UG/KG	UNKNOWN HYDROCARBON
08_GN1	S1454114	2	SVOL	36.54	310	J	UG/KG	UNKNOWN HYDROCARBON
08_GN1	S1454114	2	SVOL	38.40	440	J	UG/KG	UNKNOWN HYDROCARBON
08_GN1	S1454114	2	SVOL	40.51	340	J	UG/KG	UNKNOWN HYDROCARBON
08_GN1	S1454114	2	VOL	11.66	11	JN	UG/KG	DIETHYL ETHER
08_GN1	S1454114	2	VOL	22.51	7	J	UG/KG	UNKNOWN
08_GN1	S1454114	2	VOL	27.30	6	J	UG/KG	UNKNOWN
08_GN2	S1454541	0	SVOL	20.51	4700	J	UG/KG	UNKNOWN

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
08_GN2	S1454541	0	SVOL	20.71	6200	J	UG/KG	UNKNOWN
08_GN2	S1454541	0	SVOL	21.10	4700	J	UG/KG	UNKNOWN
08_GN2	S1454541	0	SVOL	21.14	5600	J	UG/KG	UNKNOWN
08_GN2	S1454541	0	SVOL	21.34	5300	J	UG/KG	UNKNOWN
08_GN2	S1454541	0	SVOL	21.49	5100	J	UG/KG	UNKNOWN
08_GN2	S1454541	0	SVOL	21.62	4300	J	UG/KG	UNKNOWN
08_GN2	S1454541	0	SVOL	21.73	3400	J	UG/KG	UNKNOWN
08_GN2	S1454541	0	SVOL	21.92	4000	J	UG/KG	UNKNOWN
08_GN2	S1454541	0	SVOL	22.62	4000	J	UG/KG	UNKNOWN
08_GN2	S1454541	0	SVOL	17.79	1300	J	UG/KG	UNKNOWN HYDROCARBON
08_GN2	S1454541	0	SVOL	19.27	1300	J	UG/KG	UNKNOWN HYDROCARBON
08_GN2	S1454541	0	SVOL	19.44	1400	J	UG/KG	UNKNOWN HYDROCARBON
08_GN2	S1454541	0	SVOL	19.51	1500	J	UG/KG	UNKNOWN HYDROCARBON
08_GN2	S1454541	0	SVOL	19.63	1300	J	UG/KG	UNKNOWN HYDROCARBON
08_GN2	S1454541	0	SVOL	19.68	5600	J	UG/KG	UNKNOWN HYDROCARBON
08_GN2	S1454541	0	SVOL	19.82	3100	J	UG/KG	UNKNOWN HYDROCARBON
08_GN2	S1454541	0	SVOL	19.99	4900	J	UG/KG	UNKNOWN HYDROCARBON
08_GN2	S1454541	0	SVOL	20.03	3400	J	UG/KG	UNKNOWN HYDROCARBON
08_GN2	S1454541	0	VOL	2.31	36	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
08_GN2	S1454541	0	VOL	6.89	16	JN	UG/KG	CYCLOPENTANE, 1, 2-DIBUTYL
08_GN2	S1454541	0	VOL	5.28	6	J	UG/KG	SUB. CYCLOHEXANE
08_GN2	S1454541	0	VOL	6.16	6	J	UG/KG	SUB. CYCLOHEXANE
08_GN2	S1454541	0	VOL	6.38	7	J	UG/KG	SUB. CYCLOHEXANE
08_GN2	S1454542	2	SVOL	2.68	360	JB	UG/KG	UNKNOWN
08_GN2	S1454542	2	SVOL	2.76	640	JB	UG/KG	UNKNOWN
08_GN2	S1454542	2	SVOL	2.92	1100	J	UG/KG	UNKNOWN
08_GN2	S1454542	2	SVOL	3.25	1800	J	UG/KG	UNKNOWN
08_GN2	S1454543	4	SVOL	2.67	350	JB	UG/KG	UNKNOWN
08_GN2	S1454543	4	SVOL	2.75	490	JB	UG/KG	UNKNOWN
08_GN2	S1454543	4	SVOL	2.92	900	J	UG/KG	UNKNOWN
08_GN3	S1454544	0	SVOL	21.11	8200	J	UG/KG	UNKNOWN
08_GN3	S1454544	0	SVOL	21.16	9400	J	UG/KG	UNKNOWN
08_GN3	S1454544	0	SVOL	21.25	3200	J	UG/KG	UNKNOWN
08_GN3	S1454544	0	SVOL	21.36	9400	J	UG/KG	UNKNOWN
08_GN3	S1454544	0	SVOL	21.51	8600	J	UG/KG	UNKNOWN
08_GN3	S1454544	0	SVOL	21.63	6700	J	UG/KG	UNKNOWN
08_GN3	S1454544	0	SVOL	21.75	3700	J	UG/KG	UNKNOWN
08_GN3	S1454544	0	SVOL	21.94	4300	J	UG/KG	UNKNOWN
08_GN3	S1454544	0	SVOL	22.64	4900	J	UG/KG	UNKNOWN
08_GN3	S1454544	0	SVOL	20.04	7000	J	UG/KG	UNKNOWN HYDROCARBON
08_GN3	S1454544	0	SVOL	20.13	4300	J	UG/KG	UNKNOWN HYDROCARBON
08_GN3	S1454544	0	SVOL	20.19	5300	J	UG/KG	UNKNOWN HYDROCARBON
08_GN3	S1454544	0	SVOL	20.27	4400	J	UG/KG	UNKNOWN HYDROCARBON
08_GN3	S1454544	0	SVOL	20.34	4100	J	UG/KG	UNKNOWN HYDROCARBON
08_GN3	S1454544	0	SVOL	20.42	3500	J	UG/KG	UNKNOWN HYDROCARBON
08_GN3	S1454544	0	SVOL	20.52	11000	J	UG/KG	UNKNOWN HYDROCARBON
08_GN3	S1454544	0	SVOL	20.57	12000	J	UG/KG	UNKNOWN HYDROCARBON
08_GN3	S1454544	0	SVOL	20.72	17000	J	UG/KG	UNKNOWN HYDROCARBON
08_GN3	S1454544	0	SVOL	20.89	7200	J	UG/KG	UNKNOWN HYDROCARBON
08_GN3	S1454544	0	VOL	2.32	79	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
08_GN3	S1454544	0	VOL	2.23	6	JN	UG/KG	DIETHYL ETHER
08_GN3	S1454545	2	SVOL	2.66	280	JB	UG/KG	UNKNOWN
08_GN3	S1454545	2	SVOL	2.75	480	JB	UG/KG	UNKNOWN
08_GN3	S1454545	2	SVOL	2.92	830	J	UG/KG	UNKNOWN
08_GN3	S1454545	2	VOL	2.23	5	JN	UG/KG	DIETHYL ETHER
08_PCB1	S1454123	0	SVOL	12.43	2400	J	UG/KG	UNKNOWN
08_PCB1	S1454123	0	SVOL	14.33	970	J	UG/KG	UNKNOWN
08_PCB1	S1454123	0	SVOL	14.52	590	J	UG/KG	UNKNOWN
08_PCB1	S1454123	0	SVOL	15.12	650	J	UG/KG	UNKNOWN
08_PCB1	S1454123	0	SVOL	15.98	370	J	UG/KG	UNKNOWN
08_PCB1	S1454123	0	SVOL	16.72	510	J	UG/KG	UNKNOWN
08_PCB1	S1454123	0	SVOL	18.08	320	J	UG/KG	UNKNOWN
08_PCB1	S1454123	0	SVOL	18.89	710	J	UG/KG	UNKNOWN
08_PCB1	S1454123	0	SVOL	25.53	2000	J	UG/KG	UNKNOWN
08_PCB1	S1454123	0	SVOL	31.36	2300	J	UG/KG	UNKNOWN
08_PCB1	S1454123	0	SVOL	34.96	2700	J	UG/KG	UNKNOWN
08_PCB1	S1454123	0	SVOL	35.65	2900	J	UG/KG	UNKNOWN
08_PCB1	S1454123	0	SVOL	36.43	1900	J	UG/KG	UNKNOWN
08_PCB1	S1454123	0	SVOL	12.16	2200	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
08_PCB1	S1454123	0	SVOL	13.53	3800	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB1	S1454123	0	SVOL	14.02	4200	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB1	S1454123	0	SVOL	15.35	3300	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB1	S1454123	0	SVOL	15.75	2800	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB1	S1454123	0	SVOL	17.36	1700	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB2	S1454126	0	SVOL	22.95	970	J	UG/KG	UNKNOWN
08_PCB2	S1454126	0	SVOL	23.62	1200	J	UG/KG	UNKNOWN
08_PCB2	S1454126	0	SVOL	23.87	1100	J	UG/KG	UNKNOWN
08_PCB2	S1454126	0	SVOL	25.54	1700	J	UG/KG	UNKNOWN
08_PCB2	S1454126	0	SVOL	31.31	1600	J	UG/KG	UNKNOWN
08_PCB2	S1454126	0	SVOL	31.63	1900	J	UG/KG	UNKNOWN
08_PCB2	S1454126	0	SVOL	32.2	1900	J	UG/KG	UNKNOWN
08_PCB2	S1454126	0	SVOL	32.53	1700	J	UG/KG	UNKNOWN
08_PCB2	S1454126	0	SVOL	32.85	2100	J	UG/KG	UNKNOWN
08_PCB2	S1454126	0	SVOL	33.88	2100	J	UG/KG	UNKNOWN
08_PCB2	S1454126	0	SVOL	34.51	2400	J	UG/KG	UNKNOWN
08_PCB2	S1454126	0	SVOL	34.9	2600	J	UG/KG	UNKNOWN
08_PCB2	S1454126	0	SVOL	35.62	3100	J	UG/KG	UNKNOWN
08_PCB2	S1454126	0	SVOL	36.42	1900	J	UG/KG	UNKNOWN
08_PCB2	S1454126	0	SVOL	15.34	300	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB2	S1454127	2	SVOL	28.32	430	J	UG/KG	UNKNOWN
08_PCB2	S1454127	2	SVOL	30.18	500	J	UG/KG	UNKNOWN
08_PCB2	S1454127	2	SVOL	28.78	270	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB2	S1454127	2	SVOL	29.8	480	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB2	S1454127	2	SVOL	30.78	700	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB2	S1454127	2	SVOL	31.73	720	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB2	S1454127	2	SVOL	32.64	680	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB2	S1454127	2	SVOL	33.53	690	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB2	S1454127	2	SVOL	34.38	390	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB2	S1454127	2	SVOL	35.21	360	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB2	S1454127	2	VOL	12.08	48	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
08_PCB2	S1454128	4	SVOL	34.39	340	J	UG/KG	UNKNOWN
08_PCB2	S1454128	4	SVOL	35.49	330	J	UG/KG	UNKNOWN
08_PCB2	S1454128	4	SVOL	30.79	300	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB2	S1454128	4	SVOL	31.74	310	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB2	S1454128	4	SVOL	32.66	270	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB2	S1454128	4	SVOL	33.53	280	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB3	S1454129	0	SVOL	18.88	320	J	UG/KG	UNKNOWN
08_PCB3	S1454129	0	SVOL	31.25	740	J	UG/KG	UNKNOWN
08_PCB3	S1454129	0	SVOL	31.57	790	J	UG/KG	UNKNOWN
08_PCB3	S1454129	0	SVOL	32.12	810	J	UG/KG	UNKNOWN
08_PCB3	S1454129	0	SVOL	32.79	1200	J	UG/KG	UNKNOWN
08_PCB3	S1454129	0	SVOL	33.78	1100	J	UG/KG	UNKNOWN
08_PCB3	S1454129	0	SVOL	34.28	1000	J	UG/KG	UNKNOWN
08_PCB3	S1454129	0	SVOL	34.46	1300	J	UG/KG	UNKNOWN
08_PCB3	S1454129	0	SVOL	34.85	1600	J	UG/KG	UNKNOWN
08_PCB3	S1454129	0	SVOL	35.56	1700	J	UG/KG	UNKNOWN
08_PCB3	S1454129	0	SVOL	36.37	1100	J	UG/KG	UNKNOWN
08_PCB3	S1454129	0	SVOL	13.52	300	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB3	S1454129	0	SVOL	15.73	270	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB3	S1454129	0	SVOL	17.35	280	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB3	S1454129	0	SVOL	19.6	350	J	UG/KG	UNKNOWN HYDROCARBON
08_PCB3	S1454129	0	SVOL	20.41	480	J	UG/KG	UNKNOWN HYDROCARBON
08_RE1	S1454535	0	SVOL	37.16	1700	J	UG/KG	UNKNOWN
08_RE1	S1454535	0	SVOL	38.53	3000	J	UG/KG	UNKNOWN
08_RE1	S1454535	0	SVOL	39.33	2000	J	UG/KG	UNKNOWN
08_RE1	S1454535	0	SVOL	39.71	2800	J	UG/KG	UNKNOWN
08_RE1	S1454535	0	SVOL	39.98	2600	J	UG/KG	UNKNOWN
08_RE1	S1454535	0	SVOL	40.22	2600	J	UG/KG	UNKNOWN
08_RE1	S1454535	0	SVOL	40.77	1700	J	UG/KG	UNKNOWN
08_RE1	S1454535	0	SVOL	42.16	2400	J	UG/KG	UNKNOWN
08_RE1	S1454535	0	VOL	21.97	5	J	UG/KG	UNKNOWN
08_RE1	S1454536	2	SVOL	21.09	490	J	UG/KG	UNKNOWN HYDROCARBON
08_RE1	S1454536	2	SVOL	23.30	580	J	UG/KG	UNKNOWN HYDROCARBON
08_RE1	S1454536	2	SVOL	24.05	700	J	UG/KG	UNKNOWN HYDROCARBON
08_RE1	S1454536	2	SVOL	24.82	710	J	UG/KG	UNKNOWN HYDROCARBON
08_RE1	S1454536	2	SVOL	24.90	1700	J	UG/KG	UNKNOWN HYDROCARBON
08_RE1	S1454536	2	SVOL	27.60	500	J	UG/KG	UNKNOWN HYDROCARBON
08_RE1	S1454536	2	SVOL	30.14	11	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
08_RE1	S1454536	2	VOL	21.87	7	J	UG/KG	UNKNOWN
08_RE2	S1454538	0	HERB	1678	2100	J	%	HEXACHLORO BIPHENYL
08_RE2	S1454538	0	HERB	1453	2400	J	%	TETRACHLORO BIPHENYL
08_RE2	S1454538	0	HERB	1464	1900	J	%	TETRACHLORO BIPHENYL
08_RE2	S1454538	0	HERB	1485	2600	J	%	TETRACHLORO BIPHENYL
08_RE2	S1454538	0	HERB	1504	2000	J	%	TETRACHLORO BIPHENYL
08_RE2	S1454538	0	HERB	1552	2400	J	%	TETRACHLORO BIPHENYL
08_RE2	S1454538	0	HERB	1398	3400	J	%	TRICHLORO BIPHENYL
08_RE2	S1454538	0	SVOL	2.41	30000	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
08_RE2	S1454538RE	0	SVOL	242	25000	J	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
08_RE2	S1454538	0	SVOL	16.78	2100	J	UG/KG	HEXACHLORO BIPHENYL
08_RE2	S1454538	0	SVOL	17.14	2100	J	UG/KG	HEXACHLORO BIPHENYL
08_RE2	S1454538	0	SVOL	14.53	2400	J	UG/KG	TETRACHLORO BIPHENYL
08_RE2	S1454538	0	SVOL	14.64	1900	J	UG/KG	TETRACHLORO BIPHENYL
08_RE2	S1454538	0	SVOL	14.85	2600	J	UG/KG	TETRACHLORO BIPHENYL
08_RE2	S1454538	0	SVOL	15.04	2000	J	UG/KG	TETRACHLORO BIPHENYL
08_RE2	S1454538	0	SVOL	15.52	2400	J	UG/KG	TETRACHLORO BIPHENYL
08_RE2	S1454538	0	SVOL	13.98	3400	J	UG/KG	TRICHLORO BIPHENYL
08_RE2	S1454538	0	SVOL	14.90	5200	J	UG/KG	UNKNOWN
08_RE2	S1454538	0	SVOL	17.58	3000	J	UG/KG	UNKNOWN
08_RE2	S1454538	0	SVOL	17.77	5500	J	UG/KG	UNKNOWN
08_RE2	S1454538	0	SVOL	18.77	2500	J	UG/KG	UNKNOWN
08_RE2	S1454538	0	SVOL	20.33	2000	J	UG/KG	UNKNOWN
08_RE2	S1454538	0	SVOL	20.43	2100	J	UG/KG	UNKNOWN
08_RE2	S1454538	0	SVOL	20.60	3300	J	UG/KG	UNKNOWN
08_RE2	S1454538	0	SVOL	21.41	2400	J	UG/KG	UNKNOWN
08_RE2	S1454538	0	SVOL	21.69	2000	J	UG/KG	UNKNOWN
08_RE2	S1454538	0	SVOL	3.11	3200	J	UG/KG	UNKNOWN
08_RE2	S1454538RE	0	SVOL	1491	3800	J	UG/KG	UNKNOWN
08_RE2	S1454538RE	0	SVOL	1778	6400	J	UG/KG	UNKNOWN
08_RE2	S1454538RE	0	SVOL	1941	200	J	UG/KG	UNKNOWN
08_RE2	S1454538RE	0	SVOL	2060	5400	J	UG/KG	UNKNOWN
08_RE2	S1454538RE	0	SVOL	2071	2400	J	UG/KG	UNKNOWN
08_RE2	S1454538RE	0	SVOL	2093	2900	J	UG/KG	UNKNOWN
08_RE2	S1454538RE	0	SVOL	2100	4600	J	UG/KG	UNKNOWN
08_RE2	S1454538RE	0	SVOL	2116	3100	J	UG/KG	UNKNOWN
08_RE2	S1454538RE	0	SVOL	2130	3000	J	UG/KG	UNKNOWN
08_RE2	S1454538RE	0	SVOL	2140	3300	J	UG/KG	UNKNOWN
08_RE2	S1454538RE	0	SVOL	2169	2400	J	UG/KG	UNKNOWN
08_RE2	S1454538	0	SVOL	19.36	2000	J	UG/KG	UNKNOWN HYDROCARBON
08_RE2	S1454538	0	VOL	2.33	200	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
08_RE2	S1454538RE	0	VOL	2.31	200	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
08_RE2	S1454539	2	SVOL	2.60	630	JB	UG/KG	UNKNOWN
08_RE2	S1454539	2	SVOL	2.77	1200	JB	UG/KG	UNKNOWN
08_RE2	S1454539	2	SVOL	3.10	560	J	UG/KG	UNKNOWN
08_RE2	S1454540	4	SVOL	2.51	490	JB	UG/KG	UNKNOWN
08_RE2	S1454540	4	SVOL	2.60	740	JB	UG/KG	UNKNOWN
08_RE2	S1454540	4	SVOL	2.77	1100	JB	UG/KG	UNKNOWN
08_RE2	S1454540	4	SVOL	2.92	740	J	UG/KG	UNKNOWN
08_RE3	S1454464RE	0	SVOL	241	27000	J	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
08_RE3	S1454464	0	SVOL	19.72	3000	J	UG/KG	UNKNOWN
08_RE3	S1454464	0	SVOL	20.03	4200	J	UG/KG	UNKNOWN
08_RE3	S1454464	0	SVOL	20.13	5800	J	UG/KG	UNKNOWN
08_RE3	S1454464	0	SVOL	20.27	4200	J	UG/KG	UNKNOWN
08_RE3	S1454464	0	SVOL	20.42	3500	J	UG/KG	UNKNOWN
08_RE3	S1454464	0	SVOL	20.49	7800	J	UG/KG	UNKNOWN
08_RE3	S1454464	0	SVOL	20.56	5000	J	UG/KG	UNKNOWN
08_RE3	S1454464	0	SVOL	20.61	3500	J	UG/KG	UNKNOWN
08_RE3	S1454464	0	SVOL	21.35	8400	J	UG/KG	UNKNOWN
08_RE3	S1454464	0	SVOL	21.50	8100	J	UG/KG	UNKNOWN
08_RE3	S1454464	0	SVOL	21.62	7400	J	UG/KG	UNKNOWN
08_RE3	S1454464	0	SVOL	21.74	4300	J	UG/KG	UNKNOWN
08_RE3	S1454464	0	SVOL	21.92	5800	J	UG/KG	UNKNOWN
08_RE3	S1454464RE	0	SVOL	1953	1953	J	UG/KG	UNKNOWN
08_RE3	S1454464RE	0	SVOL	1964	5100	J	UG/KG	UNKNOWN
08_RE3	S1454464RE	0	SVOL	1994	5800	J	UG/KG	UNKNOWN
08_RE3	S1454464RE	0	SVOL	2008	5900	J	UG/KG	UNKNOWN
08_RE3	S1454464RE	0	SVOL	2030	11000	J	UG/KG	UNKNOWN
08_RE3	S1454464RE	0	SVOL	2037	6800	J	UG/KG	UNKNOWN

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
08_RE3	S1454464RE	0	SVOL	2041	2041	J	UG/KG	UNKNOWN
08_RE3	S1454464RE	0	SVOL	2052	15000	J	UG/KG	UNKNOWN
08_RE3	S1454464RE	0	SVOL	2067	7300	J	UG/KG	UNKNOWN
08_RE3	S1454464RE	0	SVOL	2082	5700	J	UG/KG	UNKNOWN
08_RE3	S1454464RE	0	SVOL	2089	7500	J	UG/KG	UNKNOWN
08_RE3	S1454464RE	0	SVOL	2093	7900	J	UG/KG	UNKNOWN
08_RE3	S1454464RE	0	SVOL	2112	5700	J	UG/KG	UNKNOWN
08_RE3	S1454464RE	0	SVOL	2126	9400	J	UG/KG	UNKNOWN
08_RE3	S1454464RE	0	SVOL	2138	5500	J	UG/KG	UNKNOWN
08_RE3	S1454464	0	SVOL	20.72	12000	J	UG/KG	UNKNOWN HYDROCARBON
08_RE3	S1454464	0	SVOL	20.88	6000	J	UG/KG	UNKNOWN HYDROCARBON
08_RE3	S1454464	0	SVOL	21.10	6000	J	UG/KG	UNKNOWN HYDROCARBON
08_RE3	S1454464	0	SVOL	21.15	7500	J	UG/KG	UNKNOWN HYDROCARBON
08_RE3	S1454464	0	SVOL	21.25	3400	J	UG/KG	UNKNOWN HYDROCARBON
08_RE3	S1454464RE	0	SVOL	1926	4800	J	UG/KG	UNKNOWN HYDROCARBON
08_RE3	S1454464RE	0	SVOL	1932	4800	J	UG/KG	UNKNOWN HYDROCARBON
08_RE3	S1454464RE	0	SVOL	1980	11000	J	UG/KG	UNKNOWN HYDROCARBON
08_RE3	S1454464	0	VOL	2.31	130	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
08_RE3	S1454465	2	SVOL	12.40	420	J	UG/KG	UNKNOWN
08_RE3	S1454465	2	SVOL	2.67	280	JB	UG/KG	UNKNOWN
08_RE3	S1454465	2	SVOL	2.75	490	JB	UG/KG	UNKNOWN
08_RE3	S1454465	2	SVOL	2.91	840	J	UG/KG	UNKNOWN
08_RE3	S1454465	2	SVOL	3.07	350	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	2.92	570	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	20.45	1100	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	20.51	570	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	20.71	2200	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	20.83	810	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	21.04	1400	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	21.08	1900	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	21.28	1100	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	21.43	2400	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	21.55	1700	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	21.65	810	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	21.84	1400	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	21.94	570	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	22.45	650	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	22.54	1500	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	23.32	570	J	UG/KG	UNKNOWN
08_RE3	S1454534	4	SVOL	19.41	410	J	UG/KG	UNKNOWN HYDROCARBON
08_RE3	S1454534	4	SVOL	19.95	890	J	UG/KG	UNKNOWN HYDROCARBON
08_RE3	S1454534	4	SVOL	20.00	570	J	UG/KG	UNKNOWN HYDROCARBON
08_ST1	S1454116	0	SVOL	36.60	820	J	UG/KG	UNKNOWN
08_ST1	S1454116	0	SVOL	37.57	820	J	UG/KG	UNKNOWN
08_ST1	S1454116	0	SVOL	37.98	940	J	UG/KG	UNKNOWN
08_ST1	S1454116	0	SVOL	38.14	1200	J	UG/KG	UNKNOWN
08_ST1	S1454116	0	SVOL	38.33	1200	J	UG/KG	UNKNOWN
08_ST1	S1454116	0	SVOL	40.17	820	J	UG/KG	UNKNOWN
08_ST1	S1454116	0	VOL	11.63	10	JN	UG/KG	DIETHYL ETHER
08_ST1	S1454116	0	VOL	21.98	10	J	UG/KG	UNKNOWN
08_ST1	S1454117	2	VOL	11.65	8	JN	UG/KG	DIETHYL ETHER
08_ST1	S1454117	2	VOL	22.50	6	J	UG/KG	UNKNOWN
08_ST1	S1454117	2	VOL	27.28	5	J	UG/KG	UNKNOWN
08_ST1	S1454117	2	VOL	30.75	16	J	UG/KG	UNKNOWN
08_ST2	S1454119	0	VOL	21.91	6	J	UG/KG	UNKNOWN
08_ST2	S1454119	0	VOL	22.46	5	J	UG/KG	UNKNOWN
08_ST3	S1454450	0	SVOL	23.86	280	J	UG/KG	UNKNOWN
08_ST3	S1454450	0	SVOL	31.35	1900	J	UG/KG	UNKNOWN
08_ST3	S1454450	0	SVOL	32.23	1900	J	UG/KG	UNKNOWN
08_ST3	S1454450	0	SVOL	34.99	2500	J	UG/KG	UNKNOWN
08_ST3	S1454450	0	SVOL	35.68	2300	J	UG/KG	UNKNOWN
08_ST3	S1454451	2	VOL	12.07	11	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
08_ST3	S1454452	4	VOL	12.07	63	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
08_STDB	S1454122	0	SVOL	37.20	790	J	UG/KG	UNKNOWN
08_STDB	S1454122	0	SVOL	37.41	660	J	UG/KG	UNKNOWN
08_STDB	S1454122	0	SVOL	38.11	1200	J	UG/KG	UNKNOWN
08_STDB	S1454122	0	SVOL	38.26	930	J	UG/KG	UNKNOWN
08_STDB	S1454122	0	SVOL	38.53	1900	J	UG/KG	UNKNOWN
08_STDB	S1454122	0	SVOL	38.83	790	J	UG/KG	UNKNOWN

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
08_STDB	S1454122	0	SVOL	39.32	1700	J	UG/KG	UNKNOWN
08_STDB	S1454122	0	SVOL	39.69	1600	J	UG/KG	UNKNOWN
08_STDB	S1454122	0	SVOL	39.96	1700	J	UG/KG	UNKNOWN
08_STDB	S1454122	0	SVOL	40.20	1700	J	UG/KG	UNKNOWN
08_STDB	S1454122	0	SVOL	40.45	930	J	UG/KG	UNKNOWN
08_STDB	S1454122	0	SVOL	40.74	1500	J	UG/KG	UNKNOWN
08_STDB	S1454122	0	SVOL	41.02	1100	J	UG/KG	UNKNOWN
08_STDB	S1454122	0	SVOL	42.15	1200	J	UG/KG	UNKNOWN
08_STDB	S1454122	0	SVOL	43.63	660	J	UG/KG	UNKNOWN
08_STDB	S1454122	0	VOL	21.96	8	J	UG/KG	UNKNOWN
08_STDB	S1454122	0	VOL	22.47	5	J	UG/KG	UNKNOWN
Site 9								
09_PT1	S1454132	0	SVOL	12.72	870	J	UG/KG	UNKNOWN
09_PT1	S1454132	0	SVOL	15.89	820	J	UG/KG	UNKNOWN
09_PT1	S1454132	0	SVOL	34.02	290	J	UG/KG	UNKNOWN
09_PT1	S1454132	0	SVOL	35.80	360	J	UG/KG	UNKNOWN
09_PT1	S1454132	0	SVOL	38.01	350	J	UG/KG	UNKNOWN
09_PT1	S1454482	0	SVOL	12.72	1300	J	UG/KG	UNKNOWN
09_PT1	S1454482	0	SVOL	15.90	2000	J	UG/KG	UNKNOWN
09_PT1	S1454482	0	SVOL	32.13	310	J	UG/KG	UNKNOWN
09_PT1	S1454132	0	SVOL	20.66	400	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454132	0	SVOL	22.08	310	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454132	0	SVOL	30.06	410	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454132	0	SVOL	32.00	650	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454132	0	SVOL	32.58	420	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454132	0	SVOL	33.80	1700	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454132	0	SVOL	35.49	2100	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454132	0	SVOL	37.08	880	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454482	0	SVOL	20.66	540	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454482	0	SVOL	22.08	440	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454482	0	SVOL	25.75	410	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454482	0	SVOL	30.07	360	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454482	0	SVOL	32.00	480	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454482	0	SVOL	32.59	630	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454482	0	SVOL	33.81	1100	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454482	0	SVOL	35.49	1300	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454482	0	SVOL	37.08	4600	J	UG/KG	UNKNOWN HYDROCARBON
09_PT1	S1454482	0	VOL	681	5	JN	UG/KG	CYCLOTETRASILOXANE OCTAMETHYL
09_PT2	S1454133	0	SVOL	33.79	400	J	UG/KG	UNKNOWN HYDROCARBON
09_PT2	S1454133	0	SVOL	35.48	360	J	UG/KG	UNKNOWN HYDROCARBON
09_PT2	S1454133	0	VOL	685	6	JN	UG/KG	CYCLOTETRASILOXANE OCTAMETHYL
09_PT3	S1454134	0	SVOL	30.07	330	J	UG/KG	UNKNOWN HYDROCARBON
09_PT3	S1454134	0	SVOL	31.06	280	J	UG/KG	UNKNOWN HYDROCARBON
09_PT3	S1454134	0	SVOL	32.00	370	J	UG/KG	UNKNOWN HYDROCARBON
09_PT3	S1454134	0	SVOL	33.80	720	J	UG/KG	UNKNOWN HYDROCARBON
09_PT3	S1454134	0	SVOL	35.50	630	J	UG/KG	UNKNOWN HYDROCARBON
Site 10								
10_GN1	S1454138	0	SVOL	12.44	3900	J	UG/KG	UNKNOWN
10_GN1	S1454138	0	SVOL	14.27	910	J	UG/KG	UNKNOWN
10_GN1	S1454138	0	SVOL	15.57	3100	J	UG/KG	UNKNOWN
10_GN1	S1454138	0	SVOL	17.02	400	J	UG/KG	UNKNOWN
10_GN1	S1454138	0	SVOL	18.47	610	J	UG/KG	UNKNOWN
10_GN1	S1454138	0	SVOL	34.19	490	J	UG/KG	UNKNOWN
10_GN1	S1454138	0	SVOL	34.57	560	J	UG/KG	UNKNOWN
10_GN1	S1454138	0	SVOL	35.28	490	J	UG/KG	UNKNOWN
10_GN1	S1454138	0	SVOL	37.49	500	J	UG/KG	UNKNOWN
10_GN1	S1454138	0	SVOL	31.55	380	J	UG/KG	UNKNOWN HYDROCARBON
10_GN1	S1454138	0	SVOL	33.36	520	J	UG/KG	UNKNOWN HYDROCARBON
10_GN1	S1454138	0	SVOL	35.04	740	J	UG/KG	UNKNOWN HYDROCARBON
10_GN1	S1454138	0	SVOL	36.62	400	J	UG/KG	UNKNOWN HYDROCARBON
10_GN1	S1454138	0	VOL	223	7	JN	UG/KG	DIETHYL ETHER
10_GN1	S1454140	4	SVOL	33.32	420	J	UG/KG	UNKNOWN HYDROCARBON
10_GN1	S1454140	4	SVOL	35.00	270	J	UG/KG	UNKNOWN HYDROCARBON
10_GN2	S1454141	0	SVOL	12.37	660	J	UG/KG	UNKNOWN
10_GN2	S1454141	0	SVOL	33.34	360	J	UG/KG	UNKNOWN
10_GN2	S1454141	0	SVOL	33.52	270	J	UG/KG	UNKNOWN
10_GN2	S1454141	0	SVOL	33.77	420	J	UG/KG	UNKNOWN
10_GN2	S1454141	0	SVOL	34.02	610	J	UG/KG	UNKNOWN
10_GN2	S1454141	0	SVOL	34.19	610	J	UG/KG	UNKNOWN

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
10_GN2	S1454141	0	SVOL	34.56	730	J	UG/KG	UNKNOWN
10_GN2	S1454141	0	SVOL	34.78	230	J	UG/KG	UNKNOWN
10_GN2	S1454141	0	SVOL	35.28	530	J	UG/KG	UNKNOWN
10_GN2	S1454141	0	SVOL	36.10	320	J	UG/KG	UNKNOWN
10_GN2	S1454483	0	SVOL	12.36	740	J	UG/KG	UNKNOWN
10_GN2	S1454483	0	SVOL	31.55	300	J	UG/KG	UNKNOWN
10_GN2	S1454483	0	SVOL	32.85	400	J	UG/KG	UNKNOWN
10_GN2	S1454483	0	SVOL	33.52	400	J	UG/KG	UNKNOWN
10_GN2	S1454483	0	SVOL	33.79	520	J	UG/KG	UNKNOWN
10_GN2	S1454483	0	SVOL	34.02	910	J	UG/KG	UNKNOWN
10_GN2	S1454483	0	SVOL	34.20	690	J	UG/KG	UNKNOWN
10_GN2	S1454483	0	SVOL	34.57	920	J	UG/KG	UNKNOWN
10_GN2	S1454483	0	SVOL	35.28	760	J	UG/KG	UNKNOWN
10_GN2	S1454483	0	SVOL	36.11	520	J	UG/KG	UNKNOWN
10_GN2	S1454484	2	SVOL	30.58	290	J	UG/KG	UNKNOWN HYDROCARBON
10_GN2	S1454484	2	SVOL	33.33	310	J	UG/KG	UNKNOWN HYDROCARBON
10_GN2	S1454143	4	SVOL	29.60	380	J	UG/KG	UNKNOWN HYDROCARBON
10_GN2	S1454143	4	SVOL	30.57	480	J	UG/KG	UNKNOWN HYDROCARBON
10_GN2	S1454143	4	SVOL	31.52	560	J	UG/KG	UNKNOWN HYDROCARBON
10_GN2	S1454143	4	SVOL	32.43	470	J	UG/KG	UNKNOWN HYDROCARBON
10_GN2	S1454143	4	SVOL	33.31	770	J	UG/KG	UNKNOWN HYDROCARBON
10_GN2	S1454143	4	SVOL	34.18	330	J	UG/KG	UNKNOWN HYDROCARBON
10_GN2	S1454143	4	SVOL	35.00	610	J	UG/KG	UNKNOWN HYDROCARBON
10_GN3	S1454145	2	SVOL	33.33	340	J	UG/KG	UNKNOWN HYDROCARBON
10_GN3	S1454145	2	SVOL	35.01	430	J	UG/KG	UNKNOWN HYDROCARBON
10_GN3	S1454145	2	VOL	32.13	9	J	UG/KG	UNKNOWN
10_GN4	S1454147	0	SVOL	30.58	290	J	UG/KG	UNKNOWN HYDROCARBON
10_GN4	S1454147	0	SVOL	31.54	280	J	UG/KG	UNKNOWN HYDROCARBON
10_GN5	S1454150	0	SVOL	24.15	320	JN	UG/KG	SULFUR,MOL.(S8)
10_GN5	S1454150	0	VOL	32.22	22	JN	UG/KG	CYCLOTETRASILOXANE OCTAMETHYL
10_GN5	S1454151	2	VOL	32.22	19	J	UG/KG	UNKNOWN
Site 12								
12_1SL1	S1454190	0	SVOL	35.98	2300	J	UG/KG	UNKNOWN
12_1SL1	S1454190	0	SVOL	37.56	460	J	UG/KG	UNKNOWN
12_1SL1	S1454195	2	SVOL	33.77	280	J	UG/KG	UNKNOWN
12_1SL1	S1454195	2	SVOL	34.19	480	J	UG/KG	UNKNOWN
12_1SL1	S1454195	2	SVOL	34.54	620	J	UG/KG	UNKNOWN
12_1SL1	S1454195	2	SVOL	35.17	280	J	UG/KG	UNKNOWN
12_1SL1	S1454195	2	SVOL	35.26	620	J	UG/KG	UNKNOWN
12_1SL1	S1454195	2	SVOL	33.34	490	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL1	S1454195	2	SVOL	35.03	510	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454197	0	SVOL	41.23	1100	J	UG/KG	UNKNOWN
12_1SL2	S1454197	0	SVOL	42.38	1900	J	UG/KG	UNKNOWN
12_1SL2	S1454197	0	SVOL	43.53	3300	J	UG/KG	UNKNOWN
12_1SL2	S1454197	0	SVOL	43.91	550	J	UG/KG	UNKNOWN
12_1SL2	S1454197	0	SVOL	45.26	340	J	UG/KG	UNKNOWN
12_1SL2	S1454197	0	SVOL	34.74	310	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454197	0	SVOL	36.74	640	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454197	0	SVOL	37.69	320	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454197	0	SVOL	38.64	2900	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454197	0	SVOL	40.84	3100	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454197	0	SVOL	43.67	6500	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454198	2	SVOL	39.64	330	J	UG/KG	UNKNOWN
12_1SL2	S1454198	2	SVOL	41.20	420	J	UG/KG	UNKNOWN
12_1SL2	S1454198	2	SVOL	42.36	680	J	UG/KG	UNKNOWN
12_1SL2	S1454198	2	SVOL	43.45	400	J	UG/KG	UNKNOWN
12_1SL2	S1454198	2	SVOL	43.88	310	J	UG/KG	UNKNOWN
12_1SL2	S1454198	2	SVOL	25.05	290	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454198	2	SVOL	34.74	380	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454198	2	SVOL	35.75	270	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454198	2	SVOL	36.73	750	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454198	2	SVOL	37.67	350	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454198	2	SVOL	38.62	2900	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454198	2	SVOL	40.80	1900	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454198	2	SVOL	43.66	570	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454199	4	SVOL	36.72	320	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454199	4	SVOL	37.67	310	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454199	4	SVOL	38.60	550	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454199	4	SVOL	40.77	290	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
12_1SL2	S1454491	4	SVOL	34.73	260	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454491	4	SVOL	35.74	290	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454491	4	SVOL	36.70	390	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454491	4	SVOL	37.65	290	J	UG/KG	UNKNOWN HYDROCARBON
12_1SL2	S1454491	4	SVOL	38.59	610	J	UG/KG	UNKNOWN HYDROCARBON
12_2SL1	S1454216	0	SVOL	38.65	680	J	UG/KG	UNKNOWN
12_2SL1	S1454216	0	SVOL	40.85	530	J	UG/KG	UNKNOWN
12_2SL1	S1454216	0	SVOL	43.48	4700	J	UG/KG	UNKNOWN
12_2SL1	S1454209	2	SVOL	43.39	1000	J	UG/KG	UNKNOWN
12_2SL1	S1454209	2	SVOL	34.73	420	J	UG/KG	UNKNOWN HYDROCARBON
12_2SL1	S1454209	2	SVOL	35.73	450	J	UG/KG	UNKNOWN HYDROCARBON
12_2SL1	S1454209	2	SVOL	36.71	520	J	UG/KG	UNKNOWN HYDROCARBON
12_2SL1	S1454209	2	SVOL	37.64	650	J	UG/KG	UNKNOWN HYDROCARBON
12_2SL1	S1454209	2	SVOL	38.58	730	J	UG/KG	UNKNOWN HYDROCARBON
12_2SL1	S1454209	2	SVOL	39.61	470	J	UG/KG	UNKNOWN HYDROCARBON
12_2SL1	S1454209	2	SVOL	40.75	430	J	UG/KG	UNKNOWN HYDROCARBON
12_2SL2	S1454207	0	SVOL	34.15	670	J	UG/KG	UNKNOWN
12_2SL2	S1454207	0	SVOL	36.08	290	J	UG/KG	UNKNOWN
12_2SL2	S1454207	0	SVOL	36.54	1100	J	UG/KG	UNKNOWN
12_2SL2	S1454207	0	SVOL	37.53	530	J	UG/KG	UNKNOWN
12_2SL2	S1454207	0	SVOL	38.36	330	J	UG/KG	UNKNOWN
12_2SL2	S1454207	0	SVOL	30.12	320	J	UG/KG	UNKNOWN HYDROCARBON
12_2SL2	S1454207	0	SVOL	32.05	790	J	UG/KG	UNKNOWN HYDROCARBON
12_2SL2	S1454207	0	SVOL	33.87	4000	J	UG/KG	UNKNOWN HYDROCARBON
12_2SL2	S1454207	0	SVOL	34.71	300	J	UG/KG	UNKNOWN HYDROCARBON
12_2SL2	S1454207	0	SVOL	35.56	4900	J	UG/KG	UNKNOWN HYDROCARBON
12_2SL2	S1454207	0	SVOL	37.13	1800	J	UG/KG	UNKNOWN HYDROCARBON
12_2SL2	S1454204	2	SVOL	36.53	37	J	UG/KG	UNKNOWN
12_2SL3	S1454206	0	SVOL	21.26	340	J	UG/KG	UNKNOWN
12_2SL3	S1454206	0	SVOL	33.87	360	J	UG/KG	UNKNOWN
12_2SL3	S1454206	0	SVOL	34.58	360	J	UG/KG	UNKNOWN
12_2SL3	S1454206	0	SVOL	35.78	340	J	UG/KG	UNKNOWN
12_2SL3	S1454206	0	SVOL	35.87	480	J	UG/KG	UNKNOWN
12_2SL3	S1454206	0	SVOL	36.57	750	J	UG/KG	UNKNOWN
12_2SL3	S1454206	0	SVOL	37.35	260	J	UG/KG	UNKNOWN
12_2SL3	S1454206	0	SVOL	28.52	490	J	UG/KG	UNKNOWN ISOMER OF DDD OR DDT
12_2SL3	S1454200	2	SVOL	33.85	0	J	UG/KG	UNKNOWN HYDROCARBON
12_2SL3	S1454490	2	SVOL	33.84	310	J	UG/KG	UNKNOWN HYDROCARBON
12_CBBE	S1451030	0	SVOL	33.30	340	JN	UG/KG	TECHNICAL CHLOROPHENOTHANE
12_CBBE	S1451030	0	SVOL	26.84	240	J	UG/KG	UNKNOWN
12_CBBE	S1451030	0	SVOL	39.07	250	J	UG/KG	UNKNOWN
12_CBBE	S1451030	0	SVOL	41.86	540	J	UG/KG	UNKNOWN
12_CBBE	S1451030	0	SVOL	42.90	250	J	UG/KG	UNKNOWN
12_CBBE	S1451030	0	SVOL	43.29	300	J	UG/KG	UNKNOWN
12_CBBE	S1451030	0	SVOL	36.52	330	J	UG/KG	UNKNOWN HYDROCARBON
12_CBBE	S1451030	0	SVOL	38.38	710	J	UG/KG	UNKNOWN HYDROCARBON
12_CBBE	S1451030	0	SVOL	40.48	830	J	UG/KG	UNKNOWN HYDROCARBON
12_DBS	S1454188	0	SVOL	28.58	410	J	UG/KG	UNKNOWN
12_DBS	S1454188	0	SVOL	30.58	700	J	UG/KG	UNKNOWN
12_DBS	S1454188	0	SVOL	35.19	310	J	UG/KG	UNKNOWN
12_DBS	S1454188	0	SVOL	35.82	320	J	UG/KG	UNKNOWN
12_DBS	S1454188	0	SVOL	35.97	690	J	UG/KG	UNKNOWN
12_DBS	S1454188	0	SVOL	36.81	470	J	UG/KG	UNKNOWN
12_DBS	S1454188	0	SVOL	37.77	290	J	UG/KG	UNKNOWN
12_DBS	S1454188	0	SVOL	38.10	330	J	UG/KG	UNKNOWN
12_DBS	S1454188	0	SVOL	28.30	280	J	UG/KG	UNKNOWN C18H10 PAH
12_DBS	S1454188	0	SVOL	30.24	260	J	UG/KG	UNKNOWN C19H14 PAH
12_DBS	S1454188	0	SVOL	32.69	700	J	UG/KG	UNKNOWN C20H12 PAH
12_DBS	S1454188	0	SVOL	29.60	770	J	UG/KG	UNKNOWN HYDROCARBON
12_DBS	S1454188	0	SVOL	31.54	1400	J	UG/KG	UNKNOWN HYDROCARBON
12_DBS	S1454188	0	SVOL	32.44	610	J	UG/KG	UNKNOWN HYDROCARBON
12_DBS	S1454188	0	SVOL	33.34	3000	J	UG/KG	UNKNOWN HYDROCARBON
12_DBS	S1454188	0	SVOL	34.19	600	J	UG/KG	UNKNOWN HYDROCARBON
12_DBS	S1454188	0	SVOL	35.02	2600	J	UG/KG	UNKNOWN HYDROCARBON
12_DBS	S1454188	0	SVOL	36.59	990	J	UG/KG	UNKNOWN HYDROCARBON
12_DBS	S1454188	0	VOL	444	6	JN	UG/KG	HEXANE,2-METHYL-
12_DBS	S1454188	0	VOL	409	6	JN	UG/KG	PENTANE, 2,3 DIMETHYL
12_DBS	S1454188	0	VOL	435	10	J	UG/KG	UNKNOWN
12_DD1	S1454189	0	SVOL	28.60	820	J	UG/KG	UNKNOWN

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
12_DD1	S1454189	0	SVOL	31.48	330	J	UG/KG	UNKNOWN HYDROCARBON
12_DD1	S1454189	0	SVOL	32.63	700	J	UG/KG	UNKNOWN HYDROCARBON
12_DD1	S1454189	0	SVOL	33.73	450	J	UG/KG	UNKNOWN HYDROCARBON
12_DD1	S1454189	0	SVOL	34.78	1100	J	UG/KG	UNKNOWN HYDROCARBON
12_DD1	S1454189	0	SVOL	36.78	1600	J	UG/KG	UNKNOWN HYDROCARBON
12_DD1	S1454189	0	SVOL	38.70	2700	J	UG/KG	UNKNOWN HYDROCARBON
12_DD1	S1454189	0	SVOL	40.93	3500	J	UG/KG	UNKNOWN HYDROCARBON
12_DD1	S1454189	0	SVOL	43.81	2000	J	UG/KG	UNKNOWN HYDROCARBON
12_DD1	S1454189	0	SVOL	33.58	1500	J	UG/KG	UNKNOWN ISOMER OF DDD OR DDT
12_DD1	S1454194	2	SVOL	34.75	270	J	UG/KG	UNKNOWN HYDROCARBON
12_DD1	S1454194	2	SVOL	35.76	310	J	UG/KG	UNKNOWN HYDROCARBON
12_DD1	S1454194	2	SVOL	36.73	430	J	UG/KG	UNKNOWN HYDROCARBON
12_DD1	S1454194	2	SVOL	38.61	650	J	UG/KG	UNKNOWN HYDROCARBON
12_DD1	S1454194	2	SVOL	40.78	430	J	UG/KG	UNKNOWN HYDROCARBON
12_DD2	S1451075	0	SVOL	38.67	1400	J	UG/KG	UNKNOWN
12_DD2	S1451075	0	SVOL	42.18	920	J	UG/KG	UNKNOWN
12_DD2	S1451075	0	SVOL	43.27	1200	J	UG/KG	UNKNOWN
12_DD2	S1451075	0	SVOL	34.66	1000	J	UG/KG	UNKNOWN HYDROCARBON
12_DD2	S1451075	0	SVOL	35.66	540	J	UG/KG	UNKNOWN HYDROCARBON
12_DD2	S1451075	0	SVOL	36.64	1800	J	UG/KG	UNKNOWN HYDROCARBON
12_DD2	S1451075	0	SVOL	37.58	700	J	UG/KG	UNKNOWN HYDROCARBON
12_DD2	S1451075	0	SVOL	38.52	4800	J	UG/KG	UNKNOWN HYDROCARBON
12_DD2	S1451075	0	SVOL	39.52	760	J	UG/KG	UNKNOWN HYDROCARBON
12_DD2	S1451075	0	SVOL	40.68	6000	J	UG/KG	UNKNOWN HYDROCARBON
12_DD2	S1451075	0	SVOL	43.48	2400	J	UG/KG	UNKNOWN HYDROCARBON
12_DD2	S1451075	0	SVOL	33.47	1100	J	UG/KG	UNKNOWN ISOMER OF DDD OR DDT
12_DD2	S1451076	2	SVOL	36.59	430	J	UG/KG	UNKNOWN HYDROCARBON
12_DD2	S1451076	2	SVOL	38.45	990	J	UG/KG	UNKNOWN HYDROCARBON
12_DD2	S1451076	2	SVOL	40.57	700	J	UG/KG	UNKNOWN HYDROCARBON
12_DD2	S1451077	4	SVOL	36.59	280	J	UG/KG	UNKNOWN HYDROCARBON
12_DD2	S1451077	4	SVOL	38.45	840	J	UG/KG	UNKNOWN HYDROCARBON
12_DD2	S1451077	4	SVOL	40.57	570	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451082	0	SVOL	42.12	640	J	UG/KG	UNKNOWN
12_DD3	S1451082	0	SVOL	31.99	270	J	UG/KG	UNKNOWN C17H12 PAH
12_DD3	S1451082	0	SVOL	32.49	350	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451082	0	SVOL	33.58	240	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451082	0	SVOL	34.62	1000	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451082	0	SVOL	35.63	410	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451082	0	SVOL	36.61	2200	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451082	0	SVOL	37.16	620	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451082	0	SVOL	37.54	840	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451082	0	SVOL	38.12	430	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451082	0	SVOL	38.51	8700	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451082	0	SVOL	38.63	1200	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451082	0	SVOL	39.49	1200	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451082	0	SVOL	40.67	9100	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451082	0	SVOL	40.88	650	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451082	0	SVOL	41.93	980	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451082	0	SVOL	43.46	4700	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451083	2	SVOL	34.62	340	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451083	2	SVOL	35.62	310	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451083	2	SVOL	36.59	630	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451083	2	SVOL	37.53	390	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451083	2	SVOL	38.46	1400	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451083	2	SVOL	40.58	790	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451083	2	SVOL	43.36	290	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451080	4	SVOL	38.45	350	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451080	4	SVOL	40.58	310	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451081	4	SVOL	36.59	450	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451081	4	SVOL	38.45	1200	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451081	4	SVOL	40.58	1100	J	UG/KG	UNKNOWN HYDROCARBON
12_DD3	S1451081	4	SVOL	43.35	390	J	UG/KG	UNKNOWN HYDROCARBON
12_DDX	S1454527	1	SVOL	22.17	55000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	22.66	9000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	23.64	19000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	24.10	19000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	24.36	13000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	25.18	12000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	25.48	9600	J	UG/KG	UNKNOWN

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
12_DDX	S1454527	1	SVOL	25.66	14000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	25.84	14000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	26.02	16000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	26.16	15000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	26.46	26000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	27.94	27000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	31.89	51000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	32.59	56000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	33.25	51000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	34.80	51000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	35.19	77000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	35.92	81000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	36.72	82000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	SVOL	36.82	61000	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	VOL	236	81	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
12_DDX	S1454527	1	VOL	505	10	J	UG/KG	SUB. CYCLOHEXANE
12_DDX	S1454527	1	VOL	226	10	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	VOL	437	10	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	VOL	481	10	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	VOL	533	8	J	UG/KG	UNKNOWN
12_DDX	S1454527	1	VOL	555	6	J	UG/KG	UNKNOWN
Site 13								
13_25B211S	S1454220	0	SVOL	21.37	430	J	UG/KG	UNKNOWN
13_25B211S	S1454220	0	SVOL	32.60	420	J	UG/KG	UNKNOWN
13_25B211S	S1454220	0	SVOL	34.09	780	J	UG/KG	UNKNOWN
13_25B211S	S1454220	0	SVOL	34.84	470	J	UG/KG	UNKNOWN
13_25B211S	S1454220	0	SVOL	35.41	580	J	UG/KG	UNKNOWN
13_25B211S	S1454220	0	SVOL	36.13	520	J	UG/KG	UNKNOWN
13_25B211S	S1454220	0	SVOL	37.37	780	J	UG/KG	UNKNOWN
13_25B211S	S1454220	0	SVOL	35.78	1200	J	UG/KG	UNKNOWN HYDROCARBON
13_DBMW49S	S1454236	0	SVOL	16.64	450	J	UG/KG	UNKNOWN
13_DBMW49S	S1454236	0	SVOL	17.23	310	J	UG/KG	UNKNOWN
13_DBMW49S	S1454236	0	SVOL	26.66	3600	J	UG/KG	UNKNOWN
13_DBMW49S	S1454236	0	SVOL	27.55	4000	J	UG/KG	UNKNOWN
13_DBMW49S	S1454236	0	SVOL	28.51	4500	J	UG/KG	UNKNOWN
13_DBMW49S	S1454236	0	SVOL	30.35	2700	J	UG/KG	UNKNOWN
13_DBMW49S	S1454236	0	SVOL	32.20	2700	J	UG/KG	UNKNOWN
13_DBMW49S	S1454236	0	SVOL	33.05	2700	J	UG/KG	UNKNOWN
13_DBMW49S	S1454236	0	SVOL	34.65	4700	J	UG/KG	UNKNOWN
13_DBMW49S	S1454236	0	SVOL	35.32	4300	J	UG/KG	UNKNOWN
13_DBMW49S	S1454236	0	SVOL	35.75	5100	J	UG/KG	UNKNOWN
13_DBMW49S	S1454236	0	SVOL	36.43	6700	J	UG/KG	UNKNOWN
13_DBMW49S	S1454236	0	VOL	22.01	5	J	UG/KG	UNKNOWN
13_GN1	S1454227	0	SVOL	38.41	980	J	UG/KG	UNKNOWN
13_GN1	S1454227	0	SVOL	40.81	510	J	UG/KG	UNKNOWN
13_GN1	S1454227	0	SVOL	41.88	720	J	UG/KG	UNKNOWN
13_GN1	S1454227	0	SVOL	43.18	620	J	UG/KG	UNKNOWN
13_GN1	S1454227	0	SVOL	40.50	1400	J	UG/KG	UNKNOWN HYDROCARBON
13_GN1	S1454228	2	SVOL	38.37	330	J	UG/KG	UNKNOWN HYDROCARBON
13_GN1	S1454228	2	SVOL	40.46	320	J	UG/KG	UNKNOWN HYDROCARBON
13_GN2	S1454230	0	SVOL	22.29	290	J	UG/KG	UNKNOWN
13_GN2	S1454230	0	VOL	21.91	7	J	UG/KG	UNKNOWN
13_GN2	S1454230	0	VOL	22.46	4	J	UG/KG	UNKNOWN
13_GN2	S1454231	2	SVOL	3.70	3100	JN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
13_GN2	S1454231	2	SVOL	34.07	470	J	UG/KG	UNKNOWN HYDROCARBON
13_GN2	S1454231	2	SVOL	35.76	540	J	UG/KG	UNKNOWN HYDROCARBON
13_GN2	S1454494	2	SVOL	34.01	480	J	UG/KG	UNKNOWN HYDROCARBON
13_GN2	S1454494	2	SVOL	35.69	400	J	UG/KG	UNKNOWN HYDROCARBON
13_GN2	S1454232	4	SVOL	34.00	610	J	UG/KG	UNKNOWN HYDROCARBON
13_GN2	S1454232	4	SVOL	35.70	350	J	UG/KG	UNKNOWN HYDROCARBON
13_GN3	S1454233	0	SVOL	25.53	470	J	UG/KG	UNKNOWN
13_GN3	S1454233	0	SVOL	37.40	760	J	UG/KG	UNKNOWN
13_GN3	S1454233	0	SVOL	38.14	1200	J	UG/KG	UNKNOWN
13_GN3	S1454233	0	SVOL	38.52	1100	J	UG/KG	UNKNOWN
13_GN3	S1454233	0	SVOL	39.38	760	J	UG/KG	UNKNOWN
13_GN3	S1454233	0	SVOL	39.42	680	J	UG/KG	UNKNOWN
13_GN3	S1454233	0	SVOL	40.15	830	J	UG/KG	UNKNOWN
13_GN3	S1454233	0	SVOL	40.91	760	J	UG/KG	UNKNOWN
13_GN3	S1454233	0	SVOL	42.02	830	J	UG/KG	UNKNOWN

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
13_GN3	S1454233	0	VOL	21.97	5	J	UG/KG	UNKNOWN
13_GN3	S1454234	2	SVOL	38.45	410	J	UG/KG	UNKNOWN
13_GN3	S1454495	2	SVOL	31.19	3800	J	UG/KG	UNKNOWN
13_GN3	S1454495	2	SVOL	33.45	2900	J	UG/KG	UNKNOWN
13_GN3	S1454495	2	SVOL	33.67	310	J	UG/KG	UNKNOWN
13_GN3	S1454495	2	SVOL	31.36	500	J	UG/KG	UNKNOWN HYDROCARBON
13_GN3	S1454495	2	SVOL	32.49	800	J	UG/KG	UNKNOWN HYDROCARBON
13_GN3	S1454495	2	SVOL	33.58	940	J	UG/KG	UNKNOWN HYDROCARBON
13_GN3	S1454495	2	SVOL	35.63	940	J	UG/KG	UNKNOWN HYDROCARBON
13_GN3	S1454495	2	SVOL	36.60	700	J	UG/KG	UNKNOWN HYDROCARBON
13_GN3	S1454495	2	SVOL	37.53	580	J	UG/KG	UNKNOWN HYDROCARBON
13_GN3	S1454495	2	SVOL	38.45	510	J	UG/KG	UNKNOWN HYDROCARBON
13_SA1	S1454221	0	SVOL	38.38	380	J	UG/KG	UNKNOWN HYDROCARBON
13_SA1	S1454221	0	SVOL	40.47	380	J	UG/KG	UNKNOWN HYDROCARBON
13_SA1	S1454222	2	SVOL	36.49	1600	J	UG/KG	UNKNOWN
13_SA1	S1454222	2	SVOL	37.37	1600	J	UG/KG	UNKNOWN
13_SA1	S1454222	2	SVOL	37.74	1500	J	UG/KG	UNKNOWN
13_SA1	S1454222	2	SVOL	38.10	2800	J	UG/KG	UNKNOWN
13_SA1	S1454222	2	SVOL	38.51	2300	J	UG/KG	UNKNOWN
13_SA1	S1454222	2	SVOL	39.27	1600	J	UG/KG	UNKNOWN
13_SA1	S1454222	2	SVOL	39.89	1500	J	UG/KG	UNKNOWN
13_SA1	S1454222	2	SVOL	40.10	2100	J	UG/KG	UNKNOWN
13_SA1	S1454222	2	SVOL	40.90	1900	J	UG/KG	UNKNOWN
13_SA1	S1454222	2	SVOL	41.98	2000	J	UG/KG	UNKNOWN
13_SA1	S1454222	2	SVOL	26.36	430	J	UG/KG	UNKNOWN HYDROCARBON
13_SA1	S1454222	2	SVOL	30.13	800	J	UG/KG	UNKNOWN HYDROCARBON
13_SA2	S1454224	0	VOL	21.96	7	J	UG/KG	UNKNOWN
13_SA2	S1454224	0	VOL	22.46	4	J	UG/KG	UNKNOWN
13_SA2	S1454225	2	SVOL	38.38	570	J	UG/KG	UNKNOWN HYDROCARBON
13_SA2	S1454225	2	SVOL	40.47	420	J	UG/KG	UNKNOWN HYDROCARBON
13_SA2	S1454226	4	SVOL	36.52	290	J	UG/KG	UNKNOWN HYDROCARBON
13_SA2	S1454226	4	SVOL	38.38	1100	J	UG/KG	UNKNOWN HYDROCARBON
13_SA2	S1454226	4	SVOL	40.47	400	J	UG/KG	UNKNOWN HYDROCARBON
13_SA3	S1454156	0	SVOL	30.20	630	J	UG/KG	UNKNOWN
13_SA3	S1454156	0	SVOL	36.54	1400	J	UG/KG	UNKNOWN
13_SA3	S1454156	0	SVOL	36.90	870	J	UG/KG	UNKNOWN
13_SA3	S1454156	0	SVOL	37.41	1200	J	UG/KG	UNKNOWN
13_SA3	S1454156	0	SVOL	38.16	1700	J	UG/KG	UNKNOWN
13_SA3	S1454156	0	SVOL	38.55	2400	J	UG/KG	UNKNOWN
13_SA3	S1454156	0	SVOL	39.35	2000	J	UG/KG	UNKNOWN
13_SA3	S1454156	0	SVOL	39.71	1100	J	UG/KG	UNKNOWN
13_SA3	S1454156	0	SVOL	39.96	1200	J	UG/KG	UNKNOWN
13_SA3	S1454156	0	SVOL	40.20	1700	J	UG/KG	UNKNOWN
13_SA3	S1454156	0	SVOL	40.43	1200	J	UG/KG	UNKNOWN
13_SA3	S1454156	0	SVOL	40.66	1400	J	UG/KG	UNKNOWN
13_SA3	S1454156	0	SVOL	40.97	1900	J	UG/KG	UNKNOWN
13_SA3	S1454156	0	SVOL	42.08	2200	J	UG/KG	UNKNOWN
13_SA3	S1454156	0	SVOL	43.50	1400	J	UG/KG	UNKNOWN
13_SA3	S1454156	0	VOL	21.97	5	J	UG/KG	UNKNOWN
13_SA3	S1454157	2	SVOL	38.38	380	J	UG/KG	UNKNOWN HYDROCARBON
13_SA3	S1454157	2	SVOL	40.45	350	J	UG/KG	UNKNOWN HYDROCARBON
Site 14								
14_CBBE	S1451031	0	SVOL	16.20	460	J	UG/KG	UNKNOWN
14_CBBE	S1451031	0	SVOL	16.90	610	J	UG/KG	UNKNOWN
14_CBBE	S1451031	0	SVOL	17.16	770	J	UG/KG	UNKNOWN
14_CBBE	S1451031	0	SVOL	17.38	1500	J	UG/KG	UNKNOWN
14_CBBE	S1451031	0	SVOL	17.51	740	J	UG/KG	UNKNOWN
14_CBBE	S1451031	0	SVOL	17.59	910	J	UG/KG	UNKNOWN
14_CBBE	S1451031	0	SVOL	21.93	3300	J	UG/KG	UNKNOWN
14_CBBE	S1451031	0	SVOL	27.43	2800	J	UG/KG	UNKNOWN
14_CBBE	S1451031	0	SVOL	29.92	1200	J	UG/KG	UNKNOWN
14_CBBE	S1451031	0	SVOL	14.25	330	J	UG/KG	UNKNOWN HYDROCARBON
14_CBBE	S1451031	0	SVOL	15.41	440	J	UG/KG	UNKNOWN HYDROCARBON
14_CBBE	S1451031	0	SVOL	15.52	360	J	UG/KG	UNKNOWN HYDROCARBON
14_CBBE	S1451031	0	SVOL	15.61	510	J	UG/KG	UNKNOWN HYDROCARBON
14_CBBE	S1451031	0	SVOL	15.74	550	J	UG/KG	UNKNOWN HYDROCARBON
14_CBBE	S1451031	0	SVOL	16.63	2100	J	UG/KG	UNKNOWN HYDROCARBON
14_CBBE	S1451031	0	SVOL	18.29	4500	J	UG/KG	UNKNOWN HYDROCARBON
14_CBBE	S1451031	0	SVOL	20.17	2600	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
14_CBBE	S1451031	0	SVOL	27.82	4600	J	UG/KG	UNKNOWN HYDROCARBON
14_CBBE	S1451031	0	SVOL	29.07	5400	J	UG/KG	UNKNOWN HYDROCARBON
14_CBBE	S1451031	0	SVOL	30.29	5900	J	UG/KG	UNKNOWN HYDROCARBON
14_DBS	S1454253	0	SVOL	36.81	400	J	UG/KG	UNKNOWN HYDROCARBON
14_DBS	S1454253	0	SVOL	38.70	1300	J	UG/KG	UNKNOWN HYDROCARBON
14_DBS	S1454253	0	SVOL	40.90	1500	J	UG/KG	UNKNOWN HYDROCARBON
14_DBS	S1454253	0	SVOL	43.79	580	J	UG/KG	UNKNOWN HYDROCARBON
14_DD3	S1454243	0	SVOL	35.99	1000	J	UG/KG	UNKNOWN
14_DD3	S1454243	0	SVOL	36.81	410	J	UG/KG	UNKNOWN HYDROCARBON
14_DD3	S1454243	0	SVOL	38.70	880	J	UG/KG	UNKNOWN HYDROCARBON
14_DD3	S1454243	0	SVOL	40.90	1200	J	UG/KG	UNKNOWN HYDROCARBON
14_DD3	S1454243	0	SVOL	43.78	490	J	UG/KG	UNKNOWN HYDROCARBON
14_DD3	S1454244	2	SVOL	33.18	290	J	UG/KG	UNKNOWN
14_DD3	S1454244	2	SVOL	38.69	570	J	UG/KG	UNKNOWN HYDROCARBON
14_DD3	S1454244	2	SVOL	40.90	350	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454246	0	SVOL	18.69	420	J	UG/KG	UNKNOWN
14_DD4	S1454246	0	SVOL	29.44	480	J	UG/KG	UNKNOWN
14_DD4	S1454246	0	SVOL	36.4	240	J	UG/KG	UNKNOWN
14_DD4	S1454246	0	SVOL	36.53	220	J	UG/KG	UNKNOWN
14_DD4	S1454246	0	SVOL	37.60	480	J	UG/KG	UNKNOWN
14_DD4	S1454246	0	SVOL	38.6	340	J	UG/KG	UNKNOWN
14_DD4	S1454246	0	SVOL	41.37	490	J	UG/KG	UNKNOWN
14_DD4	S1454246	0	SVOL	41.69	320	J	UG/KG	UNKNOWN
14_DD4	S1454246	0	SVOL	41.73	360	J	UG/KG	UNKNOWN
14_DD4	S1454246	0	SVOL	42.88	320	J	UG/KG	UNKNOWN
14_DD4	S1454246	0	SVOL	39.29	1000	J	UG/KG	UNKNOWN C20H12 PAH
14_DD4	S1454246	0	SVOL	32.9	290	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454246	0	SVOL	35.04	690	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454246	0	SVOL	36.06	340	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454246	0	SVOL	37.04	1200	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454246	0	SVOL	37.98	370	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454246	0	SVOL	39.00	3600	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454246	0	SVOL	41.27	2700	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454246	0	SVOL	44.27	1000	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454247	2	SVOL	31.60	830	J	UG/KG	UNKNOWN
14_DD4	S1454247	2	SVOL	33.86	680	J	UG/KG	UNKNOWN
14_DD4	S1454247	2	SVOL	32.89	280	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454247	2	SVOL	33.98	360	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454247	2	SVOL	35.03	460	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454247	2	SVOL	36.04	430	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454247	2	SVOL	37.01	550	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454247	2	SVOL	37.94	380	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454247	2	SVOL	38.92	740	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454247	2	SVOL	41.19	560	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454248	4	SVOL	8.18	5900	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
14_DD4	S1454248	4	SVOL	31.60	350	J	UG/KG	UNKNOWN
14_DD4	S1454248	4	SVOL	33.86	300	J	UG/KG	UNKNOWN
14_DD4	S1454248	4	SVOL	35.03	230	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454248	4	SVOL	37.01	330	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454248	4	SVOL	38.92	750	J	UG/KG	UNKNOWN HYDROCARBON
14_DD4	S1454248	4	SVOL	41.19	320	J	UG/KG	UNKNOWN HYDROCARBON
14_DD6	S1454251	0	SVOL	34.86	490	J	UG/KG	UNKNOWN HYDROCARBON
14_DD6	S1454251	0	SVOL	38.74	2800	J	UG/KG	UNKNOWN HYDROCARBON
14_DD6	S1454251	0	SVOL	40.97	2500	J	UG/KG	UNKNOWN HYDROCARBON
14_DD6	S1454252	2	SVOL	38.66	360	J	UG/KG	UNKNOWN HYDROCARBON
14_GN1	S1454237	0	SVOL	38.80	500	J	UG/KG	UNKNOWN
14_GN1	S1454237	0	SVOL	41.31	290	J	UG/KG	UNKNOWN
14_GN1	S1454237	0	SVOL	42.46	290	J	UG/KG	UNKNOWN
14_GN1	S1454237	0	SVOL	35.84	250	J	UG/KG	UNKNOWN HYDROCARBON
14_GN1	S1454237	0	SVOL	36.81	420	J	UG/KG	UNKNOWN HYDROCARBON
14_GN1	S1454237	0	SVOL	38.72	730	J	UG/KG	UNKNOWN HYDROCARBON
14_GN1	S1454237	0	SVOL	40.92	630	J	UG/KG	UNKNOWN HYDROCARBON
14_GN1	S1454238	2	SVOL	7.97	3900	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
14_GN1	S1454238	2	SVOL	38.66	470	J	UG/KG	UNKNOWN HYDROCARBON
14_GN1	S1454238	2	SVOL	40.86	510	J	UG/KG	UNKNOWN HYDROCARBON
14_GN2	S1454240	0	SVOL	29.37	840	JN	UG/KG	9,10-ANTHRACENEDIONE
14_GN2	S1454240	0	SVOL	25.33	200	J	UG/KG	UNKNOWN
14_GN2	S1454240	0	SVOL	28.89	230	J	UG/KG	UNKNOWN
14_GN2	S1454240	0	SVOL	29.48	2300	J	UG/KG	UNKNOWN

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
14_GN2	S1454240	0	SVOL	30.19	180	J	UG/KG	UNKNOWN
14_GN2	S1454240	0	SVOL	30.28	220	J	UG/KG	UNKNOWN
14_GN2	S1454240	0	SVOL	30.41	230	J	UG/KG	UNKNOWN
14_GN2	S1454240	0	SVOL	31.76	380	J	UG/KG	UNKNOWN
14_GN2	S1454240	0	SVOL	32.06	310	J	UG/KG	UNKNOWN
14_GN2	S1454240	0	SVOL	32.11	290	J	UG/KG	UNKNOWN
14_GN2	S1454240	0	SVOL	35.09	370	J	UG/KG	UNKNOWN
14_GN2	S1454240	0	SVOL	43.24	910	J	UG/KG	UNKNOWN
14_GN2	S1454240	0	SVOL	44.31	880	J	UG/KG	UNKNOWN
14_GN2	S1454240	0	SVOL	44.34	1400	J	UG/KG	UNKNOWN
14_GN2	S1454240	0	SVOL	44.61	910	J	UG/KG	UNKNOWN
14_GN2	S1454240	0	SVOL	28.71	630	J	UG/KG	UNKNOWN C15H10 PAH
14_GN2	S1454240	0	SVOL	28.37	210	J	UG/KG	UNKNOWN C15H12 PAH
14_GN2	S1454240	0	SVOL	28.44	350	J	UG/KG	UNKNOWN C15H12 PAH
14_GN2	S1454240	0	SVOL	32.47	1000	J	UG/KG	UNKNOWN C17H12 PAH
14_GN2	S1454241	2	SVOL	29.52	660	J	UG/KG	UNKNOWN
14_GN2	S1454241	2	SVOL	44.29	310	J	UG/KG	UNKNOWN
14_GN2	S1454241	2	SVOL	39.31	680	J	UG/KG	UNKNOWN C20H12 PAH
14_GN2	S1454241	2	SVOL	34.08	300	J	UG/KG	UNKNOWN HYDROCARBON
14_GN2	S1454241	2	SVOL	35.11	470	J	UG/KG	UNKNOWN HYDROCARBON
14_GN2	S1454241	2	SVOL	36.12	430	J	UG/KG	UNKNOWN HYDROCARBON
14_GN2	S1454241	2	SVOL	37.10	690	J	UG/KG	UNKNOWN HYDROCARBON
14_GN2	S1454241	2	SVOL	38.05	410	J	UG/KG	UNKNOWN HYDROCARBON
14_GN2	S1454241	2	SVOL	39.03	980	J	UG/KG	UNKNOWN HYDROCARBON
14_GN2	S1454241	2	SVOL	41.30	800	J	UG/KG	UNKNOWN HYDROCARBON
14_GN5	S1454249	2	SVOL	34.82	260	J	UG/KG	UNKNOWN HYDROCARBON
14_GN5	S1454249	2	SVOL	36.81	390	J	UG/KG	UNKNOWN HYDROCARBON
14_GN5	S1454249	2	SVOL	38.70	580	J	UG/KG	UNKNOWN HYDROCARBON
14_GN5	S1454249	2	SVOL	40.89	670	J	UG/KG	UNKNOWN HYDROCARBON
Site 15								
15_DBS	S1454284	0	SVOL	18.19	23000	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	SVOL	18.97	23000	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	SVOL	19.34	20000	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	SVOL	19.41	24000	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	SVOL	19.68	24000	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	SVOL	20.	30000	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	SVOL	20.18	39000	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	SVOL	20.9	54000	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	SVOL	20.96	45000	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	SVOL	21.59	33000	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	SVOL	25.76	29000	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	SVOL	27.85	36000	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	SVOL	27.91	25000	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	SVOL	17.97	23000	J	UG/KG	UNKNOWN HYDROCARBON
15_DBS	S1454284	0	SVOL	20.29	21000	J	UG/KG	UNKNOWN HYDROCARBON
15_DBS	S1454284	0	SVOL	21.36	63000	J	UG/KG	UNKNOWN HYDROCARBON
15_DBS	S1454284	0	SVOL	25.11	48000	J	UG/KG	UNKNOWN HYDROCARBON
15_DBS	S1454284	0	SVOL	25.22	250000	J	UG/KG	UNKNOWN HYDROCARBON
15_DBS	S1454284	0	SVOL	30.44	66000	J	UG/KG	UNKNOWN HYDROCARBON
15_DBS	S1454284	0	SVOL	21.17	45000	J	UG/KG	UNKNOWN NAPHTHALENE DIMETHYL
15_DBS	S1454284	0	VOL	12.00	53	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
15_DBS	S1454284	0	VOL	1.83	72	JN	UG/KG	METHANE, CHLORODIFLUORO
15_DBS	S1454284	0	VOL	21.85	5	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	VOL	26.32	39	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	VOL	27.18	5	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	VOL	27.91	14	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	VOL	30.19	6	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	VOL	30.74	6	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	VOL	31.01	22	J	UG/KG	UNKNOWN
15_DBS	S1454284	0	VOL	32.93	25	J	UG/KG	UNKNOWN
15_DBS	S1454284RE	0	VOL	21.78	5	J	UG/KG	UNKNOWN
15_DBS	S1454284RE	0	VOL	26.25	38	J	UG/KG	UNKNOWN
15_DBS	S1454284RE	0	VOL	27.76	10	J	UG/KG	UNKNOWN
15_DBS	S1454284RE	0	VOL	30.04	8	J	UG/KG	UNKNOWN
15_DBS	S1454284RE	0	VOL	30.86	22	J	UG/KG	UNKNOWN
15_DBS	S1454284RE	0	VOL	32.92	29	J	UG/KG	UNKNOWN
15_GN1	S1454267	0	SVOL	11.98	53	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
15_GN1	S1454267	0	SVOL	17.57	300	J	UG/KG	UNKNOWN
15_GN1	S1454267	0	SVOL	21.96	400	J	UG/KG	UNKNOWN

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
15_GN1	S1454267	0	SVOL	37.85	1400	J	UG/KG	UNKNOWN
15_GN1	S1454267	0	SVOL	38.60	1200	J	UG/KG	UNKNOWN
15_GN1	S1454267	0	SVOL	38.87	1500	J	UG/KG	UNKNOWN
15_GN1	S1454267	0	SVOL	40.37	2100	J	UG/KG	UNKNOWN
15_GN1	S1454267	0	SVOL	40.63	1200	J	UG/KG	UNKNOWN
15_GN1	S1454267	0	SVOL	41.18	1000	J	UG/KG	UNKNOWN
15_GN1	S1454267	0	SVOL	41.48	1700	J	UG/KG	UNKNOWN
15_GN1	S1454267	0	VOL	11.98	53	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
15_GN1	S1454269	2	SVOL	38.7	400	J	UG/KG	UNKNOWN HYDROCARBON
15_GN1	S1454269	2	SVOL	40.90	490	J	UG/KG	UNKNOWN HYDROCARBON
15_GN1	S1454269	2	VOL	12.02	65	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
15_GN2	S1454274	0	SVOL	36.83	1200	J	UG/KG	UNKNOWN
15_GN2	S1454274	0	SVOL	37.54	1700	J	UG/KG	UNKNOWN
15_GN2	S1454274	0	SVOL	38.12	1800	J	UG/KG	UNKNOWN
15_GN2	S1454274	0	SVOL	38.25	1800	J	UG/KG	UNKNOWN
15_GN2	S1454274	0	SVOL	38.53	2900	J	UG/KG	UNKNOWN
15_GN2	S1454274	0	SVOL	39.29	2200	J	UG/KG	UNKNOWN
15_GN2	S1454274	0	SVOL	39.65	2000	J	UG/KG	UNKNOWN
15_GN2	S1454274	0	SVOL	39.95	2700	J	UG/KG	UNKNOWN
15_GN2	S1454274	0	SVOL	40.18	2400	J	UG/KG	UNKNOWN
15_GN2	S1454274	0	SVOL	40.40	1400	J	UG/KG	UNKNOWN
15_GN2	S1454274	0	SVOL	40.71	2000	J	UG/KG	UNKNOWN
15_GN2	S1454274	0	SVOL	40.99	1700	J	UG/KG	UNKNOWN
15_GN2	S1454274	0	SVOL	41.86	1300	J	UG/KG	UNKNOWN
15_GN2	S1454274	0	SVOL	42.04	1400	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	17.61	390	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	17.93	530	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	18.12	370	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	19.15	1000	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	19.42	770	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	19.74	3100	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	20.06	1100	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	20.65	4800	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	21.34	2700	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	22.74	1800	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	22.85	2900	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	24.76	4000	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	25.55	2400	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	26.48	2000	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	27.51	2000	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	27.90	2200	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	28.10	2400	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	28.60	2400	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	29.52	2000	J	UG/KG	UNKNOWN
15_GN2	S1454501	2	SVOL	39.86	4500	J	UG/KG	UNKNOWN
15_GN2	S1454276	2	SVOL	38.38	650	J	UG/KG	UNKNOWN HYDROCARBON
15_GN2	S1454276	2	SVOL	40.47	740	J	UG/KG	UNKNOWN HYDROCARBON
15_GN3	S1454279	0	SVOL	38.38	530	J	UG/KG	UNKNOWN HYDROCARBON
15_GN3	S1454279	0	SVOL	40.47	530	J	UG/KG	UNKNOWN HYDROCARBON
15_GN3	S1454281	2	SVOL	26.36	280	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	31.94	470	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	36.48	1500	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	36.87	1700	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	37.36	2900	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	37.74	2600	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	38.12	2600	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	38.29	3300	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	38.54	3900	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	39.06	3900	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	39.30	2700	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	39.65	2300	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	40.17	3000	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	40.55	2300	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	40.70	2300	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	40.94	2600	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	42.02	4100	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	43.48	2100	J	UG/KG	UNKNOWN
15_GN3	S1454281	2	SVOL	30.13	890	J	UG/KG	UNKNOWN HYDROCARBON
15_UGS	S1454265	0	SVOL	34.33	260	J	UG/KG	UNKNOWN

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
15_UGS	S1454265	0	SVOL	37.17	710	J	UG/KG	UNKNOWN
15_UGS	S1454265	0	SVOL	37.87	5500	J	UG/KG	UNKNOWN
15_UGS	S1454265	0	SVOL	38.51	3200	J	UG/KG	UNKNOWN
15_UGS	S1454265	0	SVOL	38.92	2200	J	UG/KG	UNKNOWN
15_UGS	S1454265	0	SVOL	39.75	4500	J	UG/KG	UNKNOWN
15_UGS	S1454265	0	SVOL	40.16	1900	J	UG/KG	UNKNOWN
15_UGS	S1454265	0	SVOL	40.45	2900	J	UG/KG	UNKNOWN
15_UGS	S1454265	0	SVOL	40.67	2200	J	UG/KG	UNKNOWN
15_UGS	S1454265	0	SVOL	40.97	1200	J	UG/KG	UNKNOWN
15_UGS	S1454265	0	SVOL	41.26	2000	J	UG/KG	UNKNOWN
15_UGS	S1454265	0	SVOL	41.63	1700	J	UG/KG	UNKNOWN
15_UGS	S1454265	0	SVOL	41.95	850	J	UG/KG	UNKNOWN
15_UGS	S1454265	0	SVOL	42.73	1100	J	UG/KG	UNKNOWN
15_UGS	S1454265	0	SVOL	34.85	460	J	UG/KG	UNKNOWN HYDROCARBON
15_UGS	S1454266	2	SVOL	38.11	1700	J	UG/KG	UNKNOWN
Site 16								
16_DD1	S1454317	0	SVOL	33.71	1000	J	UG/KG	UNKNOWN
16_DD1	S1454317	0	SVOL	33.82	600	J	UG/KG	UNKNOWN
16_DD1	S1454317	0	SVOL	34.41	560	J	UG/KG	UNKNOWN
16_DD1	S1454317	0	SVOL	35.41	1600	J	UG/KG	UNKNOWN
16_DD1	S1454317	0	SVOL	37.00	940	J	UG/KG	UNKNOWN
16_DD1	S1454317	0	SVOL	37.91	1300	J	UG/KG	UNKNOWN
16_DD1	S1454317	0	SVOL	29.96	370	J	UG/KG	UNKNOWN HYDROCARBON
16_DD1	S1454317	0	SVOL	31.90	580	J	UG/KG	UNKNOWN HYDROCARBON
16_DD1	S1454286	2	SVOL	33.68	300	J	UG/KG	UNKNOWN HYDROCARBON
16_DD1	S1454316	2	SVOL	33.59	440	J	UG/KG	UNKNOWN HYDROCARBON
16_DD1	S1454316	2	SVOL	35.28	340	J	UG/KG	UNKNOWN HYDROCARBON
16_DD2	S1454505	2	SVOL	34.47	280	J	UG/KG	UNKNOWN
16_DD2	S1454505	2	SVOL	37.78	320	J	UG/KG	UNKNOWN
16_DD2	S1454298	2	SVOL	29.82	140	J	UG/KG	UNKNOWN HYDROCARBON
16_DD2	S1454298	2	SVOL	31.80	320	J	UG/KG	UNKNOWN HYDROCARBON
16_DD2	S1454298	2	SVOL	33.60	590	J	UG/KG	UNKNOWN HYDROCARBON
16_DD2	S1454298	2	SVOL	35.29	460	J	UG/KG	UNKNOWN HYDROCARBON
16_DD2	S1454505	2	SVOL	29.87	230	J	UG/KG	UNKNOWN HYDROCARBON
16_DD2	S1454505	2	SVOL	31.80	420	J	UG/KG	UNKNOWN HYDROCARBON
16_DD2	S1454505	2	SVOL	33.60	730	J	UG/KG	UNKNOWN HYDROCARBON
16_DD2	S1454505	2	SVOL	35.29	740	J	UG/KG	UNKNOWN HYDROCARBON
16_DD2	S1454505	2	SVOL	36.87	400	J	UG/KG	UNKNOWN HYDROCARBON
16_DD3	S1454289	0	SVOL	29.99	640	J	UG/KG	UNKNOWN
16_DD3	S1454289	0	SVOL	31.95	730	J	UG/KG	UNKNOWN
16_DD3	S1454289	0	SVOL	32.50	920	J	UG/KG	UNKNOWN
16_DD3	S1454289	0	SVOL	33.89	850	J	UG/KG	UNKNOWN
16_DD3	S1454289	0	SVOL	35.40	970	J	UG/KG	UNKNOWN
16_DD3	S1454289	0	SVOL	37.00	670	J	UG/KG	UNKNOWN
16_DD3	S1454289	0	SVOL	37.93	910	J	UG/KG	UNKNOWN
16_DD3	S1454289	0	SVOL	20.57	540	J	UG/KG	UNKNOWN HYDROCARBON
16_DD3	S1454289	0	SVOL	21.87	320	J	UG/KG	UNKNOWN HYDROCARBON
16_DD3	S1454289	0	SVOL	21.99	540	J	UG/KG	UNKNOWN HYDROCARBON
16_DD3	S1454289	0	SVOL	23.18	510	J	UG/KG	UNKNOWN HYDROCARBON
16_DD3	S1454289	0	SVOL	24.44	720	J	UG/KG	UNKNOWN HYDROCARBON
16_DD3	S1454289	0	SVOL	25.64	800	J	UG/KG	UNKNOWN HYDROCARBON
16_DD3	S1454289	0	SVOL	26.80	670	J	UG/KG	UNKNOWN HYDROCARBON
16_DD3	S1454289	0	SVOL	27.90	580	J	UG/KG	UNKNOWN HYDROCARBON
16_DD3	S1454289	0	SVOL	28.97	420	J	UG/KG	UNKNOWN HYDROCARBON
16_DD3	S1454504	2	SVOL	33.81	280	J	UG/KG	UNKNOWN HYDROCARBON
16_DD3	S1454504	2	SVOL	35.49	300	J	UG/KG	UNKNOWN HYDROCARBON
16_GN1	S1454304	0	SVOL	30.69	320	J	UG/KG	UNKNOWN
16_GN1	S1454304	0	SVOL	30.94	270	J	UG/KG	UNKNOWN
16_GN1	S1454304	0	SVOL	31.27	340	J	UG/KG	UNKNOWN
16_GN1	S1454304	0	SVOL	31.40	1300	J	UG/KG	UNKNOWN
16_GN1	S1454304	0	SVOL	31.51	3400	J	UG/KG	UNKNOWN
16_GN1	S1454304	0	SVOL	31.66	3500	J	UG/KG	UNKNOWN
16_GN1	S1454304	0	SVOL	31.74	1600	J	UG/KG	UNKNOWN
16_GN1	S1454304	0	SVOL	31.87	590	J	UG/KG	UNKNOWN
16_GN1	S1454304	0	SVOL	32.05	4200	J	UG/KG	UNKNOWN
16_GN1	S1454304	0	SVOL	32.52	6100	J	UG/KG	UNKNOWN
16_GN1	S1454304	0	SVOL	38.20	280	J	UG/KG	UNKNOWN
16_GN1	S1454304	0	SVOL	38.32	470	J	UG/KG	UNKNOWN
16_GN1	S1454304	0	SVOL	15.49	470	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
16_GN1	S1454304	0	SVOL	29.96	280	J	UG/KG	UNKNOWN HYDROCARBON
16_GN1	S1454304	0	SVOL	32.20	1900	J	UG/KG	UNKNOWN HYDROCARBON
16_GN1	S1454304	0	SVOL	32.72	880	J	UG/KG	UNKNOWN HYDROCARBON
16_GN1	S1454304	0	SVOL	33.70	550	J	UG/KG	UNKNOWN HYDROCARBON
16_GN1	S1454304	0	SVOL	35.37	1200	J	UG/KG	UNKNOWN HYDROCARBON
16_GN1	S1454304	0	SVOL	36.96	890	J	UG/KG	UNKNOWN HYDROCARBON
16_GN2	S1454301	0	SVOL	33.69	280	J	UG/KG	UNKNOWN HYDROCARBON
16_GN3	S1454294	0	SVOL	16.86	580	J	UG/KG	UNKNOWN
16_GN3	S1454294	0	SVOL	30.74	680	J	UG/KG	UNKNOWN
16_GN3	S1454294	0	SVOL	31.39	1400	J	UG/KG	UNKNOWN
16_GN3	S1454294	0	SVOL	31.54	3400	J	UG/KG	UNKNOWN
16_GN3	S1454294	0	SVOL	31.70	2900	J	UG/KG	UNKNOWN
16_GN3	S1454294	0	SVOL	32.07	3800	J	UG/KG	UNKNOWN
16_GN3	S1454294	0	SVOL	32.57	7300	J	UG/KG	UNKNOWN
16_GN3	S1454294	0	SVOL	32.75	1200	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	16.00	2300	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	17.35	3500	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	17.86	2600	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	19.31	2600	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	19.92	3600	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	20.75	6300	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	22.09	5000	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	23.22	2600	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	24.56	2300	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	25.70	2600	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	26.22	2600	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	26.74	3600	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	31.58	4000	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	32.20	5000	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	34.16	3100	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	35.19	2500	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	35.81	2800	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	36.63	2000	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	SVOL	6.57	3000	J	UG/KG	UNKNOWN
16_GN3	S1454294	0	SVOL	13.67	1100	J	UG/KG	UNKNOWN HYDROCARBON
16_GN3	S1454294	0	SVOL	14.16	1200	J	UG/KG	UNKNOWN HYDROCARBON
16_GN3	S1454294	0	SVOL	15.49	1300	J	UG/KG	UNKNOWN HYDROCARBON
16_GN3	S1454294	0	SVOL	15.89	1200	J	UG/KG	UNKNOWN HYDROCARBON
16_GN3	S1454294	0	SVOL	17.51	1100	J	UG/KG	UNKNOWN HYDROCARBON
16_GN3	S1454294	0	SVOL	19.03	720	J	UG/KG	UNKNOWN HYDROCARBON
16_GN3	S1454294	0	SVOL	19.76	540	J	UG/KG	UNKNOWN HYDROCARBON
16_GN3	S1454294	0	SVOL	20.49	460	J	UG/KG	UNKNOWN HYDROCARBON
16_GN3	S1454294	0	SVOL	20.58	1100	J	UG/KG	UNKNOWN HYDROCARBON
16_GN3	S1454294	0	SVOL	21.99	710	J	UG/KG	UNKNOWN HYDROCARBON
16_GN3	S1454294	0	SVOL	25.64	470	J	UG/KG	UNKNOWN HYDROCARBON
16_GN3	S1454296	0	VOL	26.29	330	JN	UG/KG	1,1,3-TRIMETHYL CYCLOHEXANE
16_GN3	S1454296	0	VOL	21.82	51	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	VOL	23.00	68	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	VOL	27.16	25	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	VOL	27.84	120	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	VOL	28.48	68	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	VOL	29.85	220	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	VOL	30.85	160	J	UG/KG	UNKNOWN
16_GN3	S1454296	0	VOL	32.91	530	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	SVOL	12.47	4500	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	SVOL	13.97	7700	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	SVOL	14.95	5300	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	SVOL	16.22	8800	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	SVOL	17.02	3500	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	SVOL	17.96	6900	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	SVOL	18.78	3200	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	SVOL	19.86	20000	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	SVOL	20.11	4000	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	SVOL	21.24	9600	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	SVOL	21.51	4500	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	SVOL	24.01	6300	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	SVOL	24.86	13000	J	UG/KG	UNKNOWN HYDROCARBON
16_PT1	S1454305	0	SVOL	26.32	5100	J	UG/KG	UNKNOWN HYDROCARBON
16_PT1	S1454305	0	SVOL	35.99	9500	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
16_PT1	S1454305	0	SVOL	36.16	13000	J	UG/KG	UNKNOWN HYDROCARBON
16_PT1	S1454305	0	SVOL	36.27	5400	J	UG/KG	UNKNOWN HYDROCARBON
16_PT1	S1454305	0	SVOL	36.57	16000	J	UG/KG	UNKNOWN HYDROCARBON
16_PT1	S1454305	0	SVOL	36.75	6300	J	UG/KG	UNKNOWN HYDROCARBON
16_PT1	S1454305	0	SVOL	37.06	28000	J	UG/KG	UNKNOWN HYDROCARBON
16_PT1	S1454305	0	VOL	26.46	3400	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	VOL	28.01	1500	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	VOL	31.02	1900	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	VOL	32.35	980	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	VOL	32.99	1700	J	UG/KG	UNKNOWN
16_PT1	S1454305	0	VOL	5.58	730	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	12.51	6300	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	13.30	3900	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	14.00	6900	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	14.37	8600	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	14.99	4900	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	16.51	8100	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	16.80	6900	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	17.95	6500	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	18.46	6200	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	20.20	7600	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	21.03	6200	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	21.22	10000	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	35.98	8300	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	36.16	11000	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	36.56	17000	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	36.75	6900	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	SVOL	24.75	4600	J	UG/KG	UNKNOWN HYDROCARBON
16_PT1	S1454320	2	SVOL	24.84	6200	J	UG/KG	UNKNOWN HYDROCARBON
16_PT1	S1454320	2	SVOL	36.26	4500	J	UG/KG	UNKNOWN HYDROCARBON
16_PT1	S1454320	2	SVOL	37.06	31000	J	UG/KG	UNKNOWN HYDROCARBON
16_PT1	S1454320	2	VOL	5.64	770	JN	UG/KG	METHANETHIAL, HOMOPOLYMER
16_PT1	S1454320	2	VOL	17.18	510	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	VOL	21.79	1600	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	VOL	24.21	560	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	VOL	26.35	6200	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	VOL	27.90	2300	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	VOL	28.50	750	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	VOL	29.91	1800	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	VOL	30.96	4600	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	VOL	32.24	3000	J	UG/KG	UNKNOWN
16_PT1	S1454320	2	VOL	32.93	2400	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	12.53	4500	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	14.38	3400	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	14.99	12000	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	15.76	12000	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	16.48	17000	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	16.80	16000	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	17.95	15000	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	18.40	14000	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	19.27	12000	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	21.02	17000	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	21.22	26000	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	21.81	30000	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	23.98	3300	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	36.15	4500	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	36.54	9200	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	37.04	3400	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	SVOL	24.74	6400	J	UG/KG	UNKNOWN HYDROCARBON
16_PT1	S1454315	4	SVOL	24.85	8200	J	UG/KG	UNKNOWN HYDROCARBON
16_PT1	S1454315	4	SVOL	26.30	2600	J	UG/KG	UNKNOWN HYDROCARBON
16_PT1	S1454315	4	SVOL	35.92	3300	J	UG/KG	UNKNOWN HYDROCARBON
16_PT1	S1454315	4	VOL	21.75	340	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	VOL	26.27	260	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	VOL	27.82	120	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	VOL	29.88	270	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	VOL	31.80	160	J	UG/KG	UNKNOWN
16_PT1	S1454315	4	VOL	32.94	130	J	UG/KG	UNKNOWN
16_PT2	S1454318	0	VOL	26.29	25	J	UG/KG	UNKNOWN

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
16_PT2	S1454318	0	VOL	27.25	5	J	UG/KG	UNKNOWN
16_PT2	S1454318	0	VOL	27.89	9	J	UG/KG	UNKNOWN
16_PT2	S1454318	0	VOL	28.48	6	J	UG/KG	UNKNOWN
16_PT2	S1454318	0	VOL	29.99	12	J	UG/KG	UNKNOWN
16_PT2	S1454318	0	VOL	31.04	12	J	UG/KG	UNKNOWN
16_PT2	S1454318	0	VOL	32.18	8	J	UG/KG	UNKNOWN
16_PT2	S1454318	0	VOL	32.95	24	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	12.01	4100	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	12.65	3200	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	14.43	4100	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	15.85	2800	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	16.59	2600	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	16.91	3200	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	19.95	2600	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	20.31	2500	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	21.35	3600	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	22.72	4300	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	24.07	3500	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	36.01	9500	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	36.18	13000	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	36.27	5800	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	36.59	29000	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	36.77	12000	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	37.09	41000	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	SVOL	24.79	4900	J	UG/KG	UNKNOWN HYDROCARBON
16_PT2	S1454319	2	SVOL	24.90	5100	J	UG/KG	UNKNOWN HYDROCARBON
16_PT2	S1454319	2	SVOL	27.51	1800	J	UG/KG	UNKNOWN HYDROCARBON
16_PT2	S1454319	2	VOL	18.73	51	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	VOL	23.03	130	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	VOL	25.63	390	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	VOL	26.23	370	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	VOL	27.78	260	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	VOL	28.88	530	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	VOL	29.88	110	J	UG/KG	UNKNOWN
16_PT2	S1454319	2	VOL	32.95	640	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	12.02	2600	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	12.58	2500	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	14.48	4600	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	19.94	3400	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	20.30	3400	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	21.34	4700	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	22.69	3600	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	22.80	3100	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	24.05	3300	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	31.21	3700	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	33.44	5900	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	36.17	12000	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	36.27	4300	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	36.58	27000	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	36.76	4600	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	37.09	23000	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	SVOL	22.91	2800	J	UG/KG	UNKNOWN HYDROCARBON
16_PT2	S1454308	4	SVOL	24.80	4800	J	UG/KG	UNKNOWN HYDROCARBON
16_PT2	S1454308	4	SVOL	24.89	4900	J	UG/KG	UNKNOWN HYDROCARBON
16_PT2	S1454308	4	SVOL	36.01	8700	J	UG/KG	UNKNOWN HYDROCARBON
16_PT2	S1454308	4	VOL	17.27	380	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	VOL	21.87	1400	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	VOL	27.99	2000	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	VOL	30.00	2900	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	VOL	32.96	2600	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	VOL	5.55	1100	J	UG/KG	UNKNOWN
16_PT2	S1454308	4	VOL	26.39	3500	J	UG/KG	UNKNOWN C9H18
16_PT3	S1454307	0	SVOL	16.79	3800	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	17.54	3600	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	17.90	6500	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	18.26	3200	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	18.67	4800	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	19.11	5800	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	19.88	5400	J	UG/KG	UNKNOWN

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
16_PT3	S1454307	0	SVOL	20.01	3600	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	20.58	4000	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	21.06	3400	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	35.85	2800	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	36.00	8000	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	36.17	10000	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	36.58	14000	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	36.76	5300	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	37.09	31000	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	37.29	3000	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	39.10	3300	J	UG/KG	UNKNOWN
16_PT3	S1454307	0	SVOL	24.83	2800	J	UG/KG	UNKNOWN HYDROCARBON
16_PT3	S1454307	0	SVOL	36.27	4300	J	UG/KG	UNKNOWN HYDROCARBON
16_PT3	S1454297	2	SVOL	12.00	3000	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	12.64	3400	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	14.46	4800	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	15.80	3100	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	16.53	2600	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	16.91	3000	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	20.29	2600	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	21.34	3600	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	22.69	4400	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	23.35	5300	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	24.05	3100	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	35.89	4900	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	36.05	12000	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	36.23	7300	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	36.23	15000	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	36.63	24000	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	36.82	7800	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	37.15	19000	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	SVOL	24.81	4800	J	UG/KG	UNKNOWN HYDROCARBON
16_PT3	S1454297	2	SVOL	24.90	5900	J	UG/KG	UNKNOWN HYDROCARBON
16_PT3	S1454297	2	VOL	1.81	1200	JN	UG/KG	METHANE, CHLORODIFLUORO
16_PT3	S1454297	2	VOL	5.59	1100	JN	UG/KG	METHANETHIAL, HOMOPOLYMER
16_PT3	S1454297	2	VOL	18.82	510	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	VOL	26.35	5000	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	VOL	27.90	2100	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	VOL	29.91	2500	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	VOL	32.97	3300	J	UG/KG	UNKNOWN
16_PT3	S1454297	2	VOL	21.78	1700	J	UG/KG	UNKNOWN C8H16
16_PT3	S1454314	4	SVOL	12.03	4300	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	14.49	3600	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	15.91	2200	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	19.98	2700	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	22.75	3300	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	24.10	2900	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	33.48	4000	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	36.10	4700	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	36.30	4800	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	36.68	8400	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	37.23	15000	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	37.93	6300	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	38.25	11000	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	38.40	6600	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	38.50	4400	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	40.16	4800	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	40.25	4600	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	SVOL	24.85	3700	J	UG/KG	UNKNOWN HYDROCARBON
16_PT3	S1454314	4	SVOL	24.94	4300	J	UG/KG	UNKNOWN HYDROCARBON
16_PT3	S1454314	4	SVOL	27.57	2400	J	UG/KG	UNKNOWN HYDROCARBON
16_PT3	S1454314	4	VOL	2.18	1800	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	VOL	21.83	2800	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	VOL	23.11	1300	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	VOL	25.80	760	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	VOL	26.35	4700	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	VOL	27.90	3300	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	VOL	28.77	2900	J	UG/KG	UNKNOWN
16_PT3	S1454314	4	VOL	29.91	5100	J	UG/KG	UNKNOWN

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
16_PT3	S1454314	4	VOL	32.97	5500	J	UG/KG	UNKNOWN
Site 17								
17_LF2	S1454330	0	SVOL	39.27	400	J	UG/KG	UNKNOWN
17_LF2	S1454330	0	SVOL	39.65	460	J	UG/KG	UNKNOWN
17_LF2	S1454330	0	SVOL	40.07	400	J	UG/KG	UNKNOWN
17_LF2	S1454330	0	SVOL	40.40	570	J	UG/KG	UNKNOWN
17_LF2	S1454330	0	SVOL	40.92	630	J	UG/KG	UNKNOWN
17_LF2	S1454330	0	SVOL	41.45	630	J	UG/KG	UNKNOWN
17_LF2	S1454330	0	SVOL	41.93	750	J	UG/KG	UNKNOWN
17_LF2	S1454330	0	SVOL	44.17	520	J	UG/KG	UNKNOWN
17_LF2	S1454330	0	SVOL	44.88	460	J	UG/KG	UNKNOWN
17_LF3	S1454324	0	SVOL	43.11	260	J	UG/KG	UNKNOWN C22H14 PAH
17_LF3	S1454324	0	VOL	11.85	7	JN	UG/KG	DIETHYL ETHER
17_LF3	S1454324	0	VOL	22.01	13	J	UG/KG	UNKNOWN
17_LF3	S1454324	0	VOL	22.51	8	J	UG/KG	UNKNOWN
17_SA1	S1454322	0	SVOL	15.66	17400	J	UG/KG	UNKNOWN
17_SA1	S1454322	0	SVOL	16.21	7800	J	UG/KG	UNKNOWN
17_SA1	S1454322	0	SVOL	16.76	15300	J	UG/KG	UNKNOWN
17_SA1	S1454322	0	SVOL	16.93	27600	J	UG/KG	UNKNOWN
17_SA1	S1454322	0	SVOL	17.19	20000	J	UG/KG	UNKNOWN
17_SA1	S1454322	0	SVOL	17.36	12000	J	UG/KG	UNKNOWN
17_SA1	S1454322	0	SVOL	17.44	11000	J	UG/KG	UNKNOWN
17_SA1	S1454322	0	SVOL	17.51	14000	J	UG/KG	UNKNOWN
17_SA1	S1454322	0	SVOL	17.70	7800	J	UG/KG	UNKNOWN
17_SA1	S1454322	0	SVOL	18.17	29000	J	UG/KG	UNKNOWN
17_SA1	S1454322	0	SVOL	19.80	25000	J	UG/KG	UNKNOWN
17_SA1	S1454322	0	SVOL	39.74	81000	J	UG/KG	UNKNOWN
17_SA1	S1454322	0	VOL	20.68	7	J	UG/KG	UNKNOWN
17_SA1	S1454322	0	VOL	21.96	14	J	UG/KG	UNKNOWN
17_SA1	S1454322	0	VOL	22.46	11	J	UG/KG	UNKNOWN
17_SA1	S1454322RE	0	VOL	20.73	7	J	UG/KG	UNKNOWN
17_SA1	S1454322RE	0	VOL	22.01	12	J	UG/KG	UNKNOWN
17_SA1	S1454322RE	0	VOL	22.46	8	J	UG/KG	UNKNOWN
17_SA1	S1454325	2	SVOL	36.34	850	JN	UG/KG	PHOSPHORIC ACID TRIS(3-METHYLPHENYL)
17_SA1	S1454325	2	SVOL	36.62	1400	J	UG/KG	PHOSPHORIC ACID TRIS(3-METHYLPHENYL)
17_SA1	S1454325	2	SVOL	18.03	250	J	UG/KG	UNKNOWN
17_SA1	S1454325	2	SVOL	18.16	280	J	UG/KG	UNKNOWN
17_SA1	S1454325	2	SVOL	19.27	290	J	UG/KG	UNKNOWN
17_SA1	S1454325	2	SVOL	19.87	380	J	UG/KG	UNKNOWN
17_SA1	S1454325	2	SVOL	20.08	310	J	UG/KG	UNKNOWN
17_SA1	S1454325	2	SVOL	20.44	300	J	UG/KG	UNKNOWN
17_SA1	S1454325	2	SVOL	21.33	280	J	UG/KG	UNKNOWN
17_SA1	S1454325	2	SVOL	25.05	270	J	UG/KG	UNKNOWN
17_SA1	S1454325	2	SVOL	25.79	910	J	UG/KG	UNKNOWN
17_SA1	S1454325	2	SVOL	25.99	250	J	UG/KG	UNKNOWN
17_SA1	S1454325	2	SVOL	26.10	410	J	UG/KG	UNKNOWN
17_SA1	S1454325	2	SVOL	26.45	260	J	UG/KG	UNKNOWN
17_SA1	S1454325	2	SVOL	39.28	3900	J	UG/KG	UNKNOWN
17_SA1	S1454325	2	SVOL	38.47	2100	J	UG/KG	UNKNOWN HYDROCARBON
17_SA1	S1454325	2	SVOL	40.58	2300	J	UG/KG	UNKNOWN HYDROCARBON
17_SA1	S1454325	2	SVOL	43.29	2100	J	UG/KG	UNKNOWN HYDROCARBON
17_SA1	S1454326	4	SVOL	15.65	580	J	UG/KG	UNKNOWN
17_SA1	S1454326	4	SVOL	16.91	410	J	UG/KG	UNKNOWN
17_SA1	S1454326	4	SVOL	17.18	360	J	UG/KG	UNKNOWN
17_SA1	S1454326	4	SVOL	17.35	270	J	UG/KG	UNKNOWN
17_SA1	S1454326	4	SVOL	18.04	320	J	UG/KG	UNKNOWN
17_SA1	S1454326	4	SVOL	18.14	870	J	UG/KG	UNKNOWN
17_SA1	S1454326	4	SVOL	18.53	300	J	UG/KG	UNKNOWN
17_SA1	S1454326	4	SVOL	18.90	360	J	UG/KG	UNKNOWN
17_SA1	S1454326	4	SVOL	19.18	600	J	UG/KG	UNKNOWN
17_SA1	S1454326	4	SVOL	19.34	410	J	UG/KG	UNKNOWN
17_SA1	S1454326	4	SVOL	19.78	560	J	UG/KG	UNKNOWN
17_SA1	S1454326	4	SVOL	21.33	1300	J	UG/KG	UNKNOWN
17_SA2	S1454334	0	SVOL	38.85	970	J	UG/KG	UNKNOWN
17_SA2	S1454334	0	SVOL	39.24	300	J	UG/KG	UNKNOWN
17_SA2	S1454334	0	SVOL	39.64	480	J	UG/KG	UNKNOWN
17_SA2	S1454334	0	SVOL	40.02	420	J	UG/KG	UNKNOWN
17_SA2	S1454334	0	SVOL	40.41	480	J	UG/KG	UNKNOWN
17_SA2	S1454334	0	SVOL	40.91	480	J	UG/KG	UNKNOWN

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
17_SA2	S1454334	0	SVOL	41.37	660	J	UG/KG	UNKNOWN
17_SA2	S1454334	0	SVOL	41.88	600	J	UG/KG	UNKNOWN
17_SA2	S1454333	2	SVOL	37.40	600	J	UG/KG	UNKNOWN
17_SA2	S1454333	2	SVOL	37.58	600	J	UG/KG	UNKNOWN
17_SA2	S1454333	2	SVOL	37.81	530	J	UG/KG	UNKNOWN
17_SA2	S1454333	2	SVOL	38.16	940	J	UG/KG	UNKNOWN
17_SA2	S1454333	2	SVOL	38.54	940	J	UG/KG	UNKNOWN
17_SA2	S1454333	2	SVOL	39.30	1500	J	UG/KG	UNKNOWN
17_SA2	S1454333	2	SVOL	40.15	740	J	UG/KG	UNKNOWN
17_SA2	S1454333	2	SVOL	40.19	800	J	UG/KG	UNKNOWN
17_SA2	S1454333	2	SVOL	40.62	670	J	UG/KG	UNKNOWN
17_SA2	S1454333	2	SVOL	42.00	870	J	UG/KG	UNKNOWN
17_SA2	S1454333	2	VOL	32.54	44	JN	UG/KG	CYCLOTETRASILOXANE OCTAMETHYL
17_SA2	S1454333	2	VOL	20.68	12	J	UG/KG	UNKNOWN
17_SA2	S1454333	2	VOL	21.96	22	J	UG/KG	UNKNOWN
17_SA2	S1454333	2	VOL	22.46	7	J	UG/KG	UNKNOWN
17_SA2	S1454333RE	2	VOL	21.98	10	J	UG/KG	UNKNOWN
17_SA2	S1454323	4	VOL	14.24	14	J	UG/KG	UNKNOWN
17_SA2	S1454323	4	VOL	15.01	3	J	UG/KG	UNKNOWN
17_SA2	S1454323	4	VOL	17.02	4	J	UG/KG	UNKNOWN
17_SA2	S1454323	4	VOL	17.29	7	J	UG/KG	UNKNOWN
17_SA2	S1454323	4	VOL	18.89	4	J	UG/KG	UNKNOWN
17_SA2	S1454323	4	VOL	21.03	4	J	UG/KG	UNKNOWN
17_SA2	S1454323	4	VOL	21.99	9	J	UG/KG	UNKNOWN
17_SA2	S1454323	4	VOL	22.44	14	J	UG/KG	UNKNOWN
17_SA2	S1454323	4	VOL	23.77	9	J	UG/KG	UNKNOWN
17_SA2	S1454323	4	VOL	25.86	4	J	UG/KG	UNKNOWN
17_SA3	S1454327	0	SVOL	21.33	450	J	UG/KG	UNKNOWN
17_SA3	S1454327	0	SVOL	21.77	420	J	UG/KG	UNKNOWN
17_SA3	S1454336	4	SVOL	38.47	360	J	UG/KG	UNKNOWN
Site 18								
18_AC1	S1451042	2	VOL	32.54	15	J	UG/KG	UNKNOWN
18_AC2	S1451050	0	SVOL	11.95	1600	J	UG/KG	UNKNOWN C7H1603
18_AC2	S1451050	0	SVOL	12.04	1100	J	UG/KG	UNKNOWN C7H1603
18_AC2	S1451050	0	SVOL	12.29	2500	J	UG/KG	UNKNOWN C7H1603
18_AC2	S1451050	0	SVOL	12.58	280	J	UG/KG	UNKNOWN C7H1603
18_AC2	S1451050	0	SVOL	33.52	500	J	UG/KG	UNKNOWN HYDROCARBON
18_AC2	S1451050	0	SVOL	35.57	300	J	UG/KG	UNKNOWN HYDROCARBON
18_AC2	S1451050	0	SVOL	37.10	380	J	UG/KG	UNKNOWN HYDROCARBON
18_AC2	S1451051	2	SVOL	12.26	320	J	UG/KG	UNKNOWN
18_AC2	S1451051	2	SVOL	11.93	260	J	UG/KG	UNKNOWN C7H1603
18_AC2	S1451051	2	SVOL	33.51	310	J	UG/KG	UNKNOWN HYDROCARBON
18_AC2	S1451051	2	SVOL	35.56	340	J	UG/KG	UNKNOWN HYDROCARBON
18_AC2	S1451051	2	SVOL	36.54	310	J	UG/KG	UNKNOWN HYDROCARBON
18_AC2	S1451051	2	SVOL	37.10	390	J	UG/KG	UNKNOWN HYDROCARBON
18_BE1	S1451039	2	SVOL	28.84	320	J	UG/KG	UNKNOWN PHTHALATE
18_BE1	S1451040	4	SVOL	38.45	410	J	UG/KG	UNKNOWN HYDROCARBON
18_BE2	S1451047	0	SVOL	36.05	580	J	UG/KG	UNKNOWN
18_BE2	S1451047	0	SVOL	36.61	920	J	UG/KG	UNKNOWN
18_BE2	S1451047	0	SVOL	36.81	340	J	UG/KG	UNKNOWN
18_BE2	S1451047	0	SVOL	37.10	2000	J	UG/KG	UNKNOWN
18_BE2	S1451047	0	SVOL	41.89	370	J	UG/KG	UNKNOWN
18_BE2	S1451047	0	SVOL	35.94	480	J	UG/KG	UNKNOWN HYDROCARBON
18_BE2	S1451047	0	SVOL	36.23	770	J	UG/KG	UNKNOWN HYDROCARBON
18_BE2	S1451048	2	SVOL	33.51	680	J	UG/KG	UNKNOWN ACID ESTER
18_BE2	S1451048	2	SVOL	37.09	680	J	UG/KG	UNKNOWN HYDROCARBON
18_BO2	S1451053	0	SVOL	36.54	380	J	UG/KG	UNKNOWN
18_BO2	S1451053	0	SVOL	36.77	690	J	UG/KG	UNKNOWN
18_DCAC	S1451062	0	SVOL	29.94	910	J	UG/KG	UNKNOWN
18_DCAC	S1451062	0	SVOL	15.34	370	J	UG/KG	UNKNOWN SILOXANE
18_DCBE	S1451059	0	SVOL	33.85	340	J	UG/KG	UNKNOWN HYDROCARBON
18_DCBE	S1451059	0	SVOL	35.53	280	J	UG/KG	UNKNOWN HYDROCARBON
18_DCBE	S1451059	0	VOL	683	5	JN	UG/KG	CYCLOTETRASILOXANE OCTAMETHYL
18_DCBE	S1451060	2	SVOL	33.79	380	J	UG/KG	UNKNOWN HYDROCARBON
18_DCBE	S1451060	2	SVOL	35.47	350	J	UG/KG	UNKNOWN HYDROCARBON
18_DCBE	S1451061	4	SVOL	33.80	380	J	UG/KG	UNKNOWN HYDROCARBON
18_DCBE	S1451061	4	SVOL	35.48	330	J	UG/KG	UNKNOWN HYDROCARBON
18_DCMC	S1451056	0	SVOL	24.78	1200	J	UG/KG	UNKNOWN HYDROCARBON
18_DCMC	S1451057	0	SVOL	32.42	300	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
18_DCMC	S1451057	0	SVOL	33.51	960	J	UG/KG	UNKNOWN HYDROCARBON
18_DCMC	S1451057	0	SVOL	35.56	2000	J	UG/KG	UNKNOWN HYDROCARBON
18_DCMC	S1451057	0	SVOL	36.53	1900	J	UG/KG	UNKNOWN HYDROCARBON
18_DCMC	S1451057	0	SVOL	37.46	1800	J	UG/KG	UNKNOWN HYDROCARBON
18_DCMC	S1451057	0	SVOL	38.39	1400	J	UG/KG	UNKNOWN HYDROCARBON
18_DCMC	S1451057	0	SVOL	39.37	860	J	UG/KG	UNKNOWN HYDROCARBON
18_DCMC	S1451057	0	SVOL	40.47	450	J	UG/KG	UNKNOWN HYDROCARBON
18_DCMC	S1451070	0	SVOL	36.50	260	J	UG/KG	UNKNOWN HYDROCARBON
18_DCMC	S1451070	0	SVOL	38.34	350	J	UG/KG	UNKNOWN HYDROCARBON
18_DCMC	S1451056	0	VOL	7.78	10	JN	UG/KG	METHANE,THIOBIS-
18_DCMC	S1451070	0	VOL	7.78	37	JN	UG/KG	METHANE,THIOBIS-
18_MC1	S1451035	0	SVOL	26.25	350	J	UG/KG	UNKNOWN
18_MC1	S1451035	0	SVOL	38.13	620	J	UG/KG	UNKNOWN
18_MC1	S1451035	0	SVOL	8.76	500	J	UG/KG	UNKNOWN
18_MC1	S1451035	0	SVOL	21.26	390	J	UG/KG	UNKNOWN HYDROCARBON
18_MC1	S1451035	0	SVOL	34.56	420	J	UG/KG	UNKNOWN HYDROCARBON
18_MC1	S1451035	0	SVOL	36.27	530	J	UG/KG	UNKNOWN HYDROCARBON
18_MC1	S1451036	2	SVOL	31.28	280	J	UG/KG	UNKNOWN
18_MC2	S1451044	0	SVOL	20.92	330	J	UG/KG	UNKNOWN
18_MC2	S1451044	0	SVOL	36.54	470	J	UG/KG	UNKNOWN
18_MC2	S1451044	0	SVOL	24.78	320	J	UG/KG	UNKNOWN HYDROCARBON
18_MC2	S1451044	0	SVOL	38.39	820	J	UG/KG	UNKNOWN HYDROCARBON
18_MC2	S1451044	0	SVOL	40.48	510	J	UG/KG	UNKNOWN HYDROCARBON
18_MC2	S1451044	0	SVOL	35.12	360	J	UG/KG	UNKNOWN PHTHALATE
18_MC2	S1451045	2	SVOL	38.45	2600	JN	UG/KG	CHOLESTANE (VAN)
18_MC2	S1451045	2	SVOL	37.34	640	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	37.53	640	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	38.04	1100	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	39.15	2100	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	39.59	3200	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	39.88	1900	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	40.10	1900	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	40.31	860	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	40.43	640	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	40.62	2200	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	40.93	710	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	41.11	500	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	41.53	500	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	41.66	500	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	41.79	570	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	41.97	1100	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	43.40	500	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	43.60	360	J	UG/KG	UNKNOWN
18_MC2	S1451045	2	SVOL	45.00	360	J	UG/KG	UNKNOWN
Site 19								
19_1FB1	S1454520	0	SVOL	20.83	380	J	UG/KG	UNKNOWN
19_1FB1	S1454520	0	SVOL	25.59	370	J	UG/KG	UNKNOWN
19_1FB1	S1454520	0	SVOL	16.23	470	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520	0	SVOL	16.51	380	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520	0	SVOL	17.64	910	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520	0	SVOL	18.13	680	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520	0	SVOL	18.48	270	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520	0	SVOL	19.55	1200	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520	0	SVOL	19.94	1800	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520	0	SVOL	23.95	790	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520	0	SVOL	24.71	780	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520	0	SVOL	24.80	1200	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520	0	SVOL	27.50	480	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520	0	SVOL	28.79	500	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520	0	SVOL	31.20	340	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520	0	SVOL	32.34	370	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520	0	SVOL	33.44	420	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520	0	SVOL	35.48	360	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520	0	SVOL	37.01	650	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454520RX	0	SVOL	19.94	300	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521	2	SVOL	28.85	880	JN	UG/KG	9,10-ANTHRACENEDIONE
19_1FB1	S1454521	2	SVOL	18.14	640	J	UG/KG	UNKNOWN
19_1FB1	S1454521	2	SVOL	25.61	610	J	UG/KG	UNKNOWN
19_1FB1	S1454521	2	SVOL	28.15	500	J	UG/KG	UNKNOWN C15H10 PAH

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
19_1FB1	S1454521	2	SVOL	27.90	490	J	UG/KG	UNKNOWN C15H12 PAH
19_1FB1	S1454521	2	SVOL	38.59	510	J	UG/KG	UNKNOWN C20H12 PAH
19_1FB1	S1454521RX	2	SVOL	38.57	270	J	UG/KG	UNKNOWN C20H12 PAH
19_1FB1	S1454521	2	SVOL	16.23	610	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521	2	SVOL	16.51	470	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521	2	SVOL	17.65	1100	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521	2	SVOL	19.55	1500	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521	2	SVOL	19.95	1900	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521	2	SVOL	23.97	930	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521	2	SVOL	24.71	880	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521	2	SVOL	24.81	1400	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521	2	SVOL	27.50	530	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521	2	SVOL	28.80	700	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521	2	SVOL	32.34	460	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521	2	SVOL	33.45	530	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521	2	SVOL	37.01	510	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521RX	2	SVOL	17.64	380	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521RX	2	SVOL	18.15	410	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521RX	2	SVOL	19.94	640	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521RX	2	SVOL	21.00	590	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521RX	2	SVOL	23.95	240	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521RX	2	SVOL	24.71	310	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521RX	2	SVOL	24.80	370	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521RX	2	SVOL	35.48	260	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521RX	2	SVOL	36.45	290	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521RX	2	SVOL	37.39	260	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521RX	2	SVOL	38.30	450	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454521RX	2	SVOL	40.39	310	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB1	S1454576	2	SVOL	38.30	470	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517	0	SVOL	28.85	320	JN	UG/KG	9,10-ANTHRACENEDIONE
19_1FB2	S1454517RX	0	SVOL	28.86	450	JN	UG/KG	9,10-ANTHRACENEDIONE
19_1FB2	S1454577RX	0	SVOL	28.87	740	JN	UG/KG	9,10-ANTHRACENEDIONE
19_1FB2	S1454517	0	SVOL	16.11	3600	J	UG/KG	UNKNOWN
19_1FB2	S1454517	0	SVOL	25.61	370	J	UG/KG	UNKNOWN
19_1FB2	S1454517RX	0	SVOL	18.15	1600	J	UG/KG	UNKNOWN
19_1FB2	S1454517RX	0	SVOL	19.57	380	J	UG/KG	UNKNOWN
19_1FB2	S1454517RX	0	SVOL	25.62	460	J	UG/KG	UNKNOWN
19_1FB2	S1454517RX	0	SVOL	28.93	650	J	UG/KG	UNKNOWN
19_1FB2	S1454577RX	0	SVOL	20.87	460	J	UG/KG	UNKNOWN
19_1FB2	S1454577RX	0	SVOL	25.63	930	J	UG/KG	UNKNOWN
19_1FB2	S1454517	0	SVOL	28.16	340	J	UG/KG	UNKNOWN C15H10 PAH
19_1FB2	S1454517	0	SVOL	27.91	280	J	UG/KG	UNKNOWN C15H12 PAH
19_1FB2	S1454517	0	SVOL	28.81	340	J	UG/KG	UNKNOWN C16H12 PAH
19_1FB2	S1454517	0	SVOL	31.87	660	J	UG/KG	UNKNOWN C17H12 PAH
19_1FB2	S1454517	0	SVOL	38.60	840	J	UG/KG	UNKNOWN C20H12 PAH
19_1FB2	S1454517RX	0	SVOL	38.62	1300	J	UG/KG	UNKNOWN C20H12 PAH
19_1FB2	S1454577RX	0	SVOL	38.62	610	J	UG/KG	UNKNOWN C20H12 PAH
19_1FB2	S1454517	0	SVOL	16.24	890	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517	0	SVOL	17.66	1500	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517	0	SVOL	19.55	950	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517	0	SVOL	19.96	990	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517	0	SVOL	23.97	420	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517	0	SVOL	24.73	400	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517	0	SVOL	24.82	630	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517	0	SVOL	27.51	270	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517	0	SVOL	31.22	500	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517	0	SVOL	37.02	820	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517RX	0	SVOL	17.66	1400	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517RX	0	SVOL	19.96	1200	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517RX	0	SVOL	23.98	460	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517RX	0	SVOL	24.74	490	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517RX	0	SVOL	24.83	740	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517RX	0	SVOL	27.52	320	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517RX	0	SVOL	28.82	380	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517RX	0	SVOL	32.36	520	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517RX	0	SVOL	33.46	570	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517RX	0	SVOL	35.50	560	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517RX	0	SVOL	37.04	810	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454577	0	SVOL	20.01	300	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
19_1FB2	S1454577	0	SVOL	21.07	300	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454577RX	0	SVOL	16.27	460	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454577RX	0	SVOL	17.68	930	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454577RX	0	SVOL	19.59	1300	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454577RX	0	SVOL	19.97	2000	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454577RX	0	SVOL	23.99	1100	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454577RX	0	SVOL	24.75	1100	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454577RX	0	SVOL	24.84	1600	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454577RX	0	SVOL	27.53	650	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454577RX	0	SVOL	28.83	790	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454577RX	0	SVOL	31.25	520	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454577RX	0	SVOL	32.38	540	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454577RX	0	SVOL	33.48	600	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454577RX	0	SVOL	34.50	520	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454577RX	0	SVOL	35.52	620	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454577RX	0	SVOL	37.05	850	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454517RX	0	SVOL	34.17	530	J	UG/KG	UNKNOWN PAH
19_1FB2	S1454518RX	2	SVOL	28.94	790	JN	UG/KG	9,10-ANTHRACENEDIONE
19_1FB2	S1454518RX	2	SVOL	31.20	1400	JN	UG/KG	PHENANTHRENE, 2,3,5-TRIMETHYL-(8CI)
19_1FB2	S1454518	2	SVOL	18.14	1200	J	UG/KG	UNKNOWN
19_1FB2	S1454518	2	SVOL	28.91	650	J	UG/KG	UNKNOWN
19_1FB2	S1454518RX	2	SVOL	35.04	1400	J	UG/KG	UNKNOWN
19_1FB2	S1454518	2	SVOL	25.61	720	J	UG/KG	UNKNOWN C13H80
19_1FB2	S1454518RX	2	SVOL	27.85	560	J	UG/KG	UNKNOWN C15H12 PAH
19_1FB2	S1454518RX	2	SVOL	27.95	790	J	UG/KG	UNKNOWN C15H12 PAH
19_1FB2	S1454518RX	2	SVOL	28.21	920	J	UG/KG	UNKNOWN C15H12 PAH
19_1FB2	S1454518RX	2	SVOL	28.28	520	J	UG/KG	UNKNOWN C15H12 PAH
19_1FB2	S1454518RX	2	SVOL	28.82	660	J	UG/KG	UNKNOWN C16H12 PAH
19_1FB2	S1454518RX	2	SVOL	29.30	400	J	UG/KG	UNKNOWN C16H14 PAH
19_1FB2	S1454518RX	2	SVOL	29.45	530	J	UG/KG	UNKNOWN C16H14 PAH
19_1FB2	S1454518RX	2	SVOL	29.70	740	J	UG/KG	UNKNOWN C16H14 PAH
19_1FB2	S1454518RX	2	SVOL	29.78	480	J	UG/KG	UNKNOWN C16H14 PAH
19_1FB2	S1454518RX	2	SVOL	31.94	1400	J	UG/KG	UNKNOWN C17H12 PAH
19_1FB2	S1454518RX	2	SVOL	32.65	1600	J	UG/KG	UNKNOWN C17H12 PAH
19_1FB2	S1454518RX	2	SVOL	36.01	1600	J	UG/KG	UNKNOWN C19H14 PAH
19_1FB2	S1454518	2	SVOL	38.61	860	J	UG/KG	UNKNOWN C20H12 PAH
19_1FB2	S1454518	2	SVOL	17.65	980	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518	2	SVOL	19.56	1600	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518	2	SVOL	19.95	1900	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518	2	SVOL	23.97	760	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518	2	SVOL	24.73	780	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518	2	SVOL	24.82	1200	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518	2	SVOL	28.81	580	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518	2	SVOL	32.36	530	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518	2	SVOL	33.45	630	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518	2	SVOL	35.49	840	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518	2	SVOL	36.47	830	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518	2	SVOL	37.02	580	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518	2	SVOL	37.41	810	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518	2	SVOL	38.32	600	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518RX	2	SVOL	18.16	1300	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518RX	2	SVOL	19.95	2000	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518RX	2	SVOL	24.82	500	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB2	S1454518RX	2	SVOL	33.49	1000	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510	0	SVOL	19.57	280	J	UG/KG	UNKNOWN
19_1FB3	S1454510	0	SVOL	28.16	390	J	UG/KG	UNKNOWN C15H10 PAH
19_1FB3	S1454510	0	SVOL	27.91	280	J	UG/KG	UNKNOWN C15H12 PAH
19_1FB3	S1454510	0	SVOL	31.88	320	J	UG/KG	UNKNOWN C17H12 PAH
19_1FB3	S1454510	0	SVOL	38.59	650	J	UG/KG	UNKNOWN C20H12 PAH
19_1FB3	S1454510RX	0	SVOL	38.58	400	J	UG/KG	UNKNOWN C20H12 PAH
19_1FB3	S1454510	0	SVOL	16.24	300	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510	0	SVOL	17.66	570	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510	0	SVOL	18.17	710	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510	0	SVOL	19.96	1000	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510	0	SVOL	23.97	420	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510	0	SVOL	24.73	450	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510	0	SVOL	24.82	670	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510	0	SVOL	27.51	320	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510	0	SVOL	28.81	350	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
19_1FB3	S1454510	0	SVOL	32.36	270	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510	0	SVOL	33.47	610	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510	0	SVOL	35.50	280	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510	0	SVOL	36.54	320	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510	0	SVOL	37.03	960	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510RX	0	SVOL	17.65	390	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510RX	0	SVOL	18.15	540	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510RX	0	SVOL	19.94	720	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510RX	0	SVOL	21.00	810	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510RX	0	SVOL	21.62	760	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510RX	0	SVOL	23.96	420	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510RX	0	SVOL	24.72	400	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510RX	0	SVOL	24.81	670	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510RX	0	SVOL	27.50	290	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510RX	0	SVOL	28.80	250	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510RX	0	SVOL	33.44	310	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510RX	0	SVOL	34.47	320	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510RX	0	SVOL	35.48	270	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510RX	0	SVOL	36.12	320	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510RX	0	SVOL	36.53	410	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454510RX	0	SVOL	37.02	930	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454515	2	SVOL	17.65	310	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454515	2	SVOL	18.16	370	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454515	2	SVOL	19.95	470	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454515	2	SVOL	21.01	500	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454515	2	SVOL	24.82	290	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454515	2	SVOL	33.45	420	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454515	2	SVOL	34.49	500	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454515	2	SVOL	35.49	450	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454515	2	SVOL	36.46	460	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454515	2	SVOL	37.40	430	J	UG/KG	UNKNOWN HYDROCARBON
19_1FB3	S1454515	2	SVOL	38.31	510	J	UG/KG	UNKNOWN HYDROCARBON
19_25B216S	S1454508	0	SVOL	33.33	280	J	UG/KG	UNKNOWN HYDROCARBON
19_2FB1	S1454531	0	SVOL	38.31	510	J	UG/KG	UNKNOWN HYDROCARBON
19_2FB1	S1454531	0	SVOL	40.37	820	J	UG/KG	UNKNOWN HYDROCARBON
19_2FB2	S1454523	0	SVOL	33.33	330	J	UG/KG	UNKNOWN HYDROCARBON
19_2FB2	S1454523	0	SVOL	35.02	420	J	UG/KG	UNKNOWN HYDROCARBON
19_2FB2	S1454523	0	VOL	22.03	4	J	UG/KG	UNKNOWN
19_2FB2	S1454524	2	SVOL	33.44	380	J	UG/KG	UNKNOWN HYDROCARBON
19_2FB2	S1454524	2	SVOL	35.12	890	J	UG/KG	UNKNOWN HYDROCARBON
19_2FB2	S1454524	2	SVOL	36.70	310	J	UG/KG	UNKNOWN HYDROCARBON
19_2FB3	S1454339	0	SVOL	33.35	320	J	UG/KG	UNKNOWN HYDROCARBON
19_2FB3	S1454339	0	SVOL	35.03	610	J	UG/KG	UNKNOWN HYDROCARBON
19_2FB3	S1454340	2	SVOL	35.00	300	J	UG/KG	UNKNOWN HYDROCARBON
19_DBS	S1454344	0	SVOL	33.34	480	J	UG/KG	UNKNOWN HYDROCARBON
19_DBS	S1454344	0	SVOL	35.02	550	J	UG/KG	UNKNOWN HYDROCARBON
Site 20								
20_CB	S1451032	0	SVOL	295	13000	JNB	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
20_CB	S1451032RE	0	SVOL	297	14000	JNB	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
20_CB	S1451032RE	0	SVOL	2043	57000	J	UG/KG	UNKNOWN
20_CB	S1451032	0	SVOL	1338	34000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	1431	54000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	1497	56000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	1509	57000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	1522	45000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	1549	53000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	1555	61000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	1575	74000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	1582	33000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	1586	42000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	1604	35000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	1631	39000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	1784	35000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	1837	80000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	1851	88000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	1942	65000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	1972	33000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	2025	41000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032	0	SVOL	2073	40000	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
20_CB	S1451032RE	0	SVOL	1433	12000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	1508	10000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	1547	7600	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	1558	8600	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	1573	15000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	1579	11000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	1585	13000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	1597	20000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	1604	11000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	1616	8800	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	1633	8400	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	1936	71000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	1940	62000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	1967	61000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	1981	60000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	1991	137000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	2021	95000	J	UG/KG	UNKNOWN HYDROCARBON
20_CB	S1451032RE	0	SVOL	2070	2000000	J	UG/KG	UNKNOWN HYDROCARBON
20_DD1	S1454362	0	SVOL	33.86	700	J	UG/KG	UNKNOWN HYDROCARBON
20_DD1	S1454362	0	SVOL	35.54	540	J	UG/KG	UNKNOWN HYDROCARBON
20_DD2	S1454354	0	SVOL	32.06	400	J	UG/KG	UNKNOWN HYDROCARBON
20_DD2	S1454354	0	SVOL	33.85	1000	J	UG/KG	UNKNOWN HYDROCARBON
20_DD2	S1454354	0	SVOL	35.54	790	J	UG/KG	UNKNOWN HYDROCARBON
20_DD2	S1454354	0	SVOL	37.13	320	J	UG/KG	UNKNOWN HYDROCARBON
20_DD3	S1454352	0	SVOL	37.54	270	J	UG/KG	UNKNOWN
20_DD3	S1454352	0	SVOL	38.08	1300	J	UG/KG	UNKNOWN
20_DD3	S1454352	0	SVOL	30.13	410	J	UG/KG	UNKNOWN HYDROCARBON
20_DD3	S1454352	0	SVOL	32.06	700	J	UG/KG	UNKNOWN HYDROCARBON
20_DD3	S1454352	0	SVOL	33.86	1400	J	UG/KG	UNKNOWN HYDROCARBON
20_DD3	S1454352	0	SVOL	35.55	2200	J	UG/KG	UNKNOWN HYDROCARBON
20_DD3	S1454352	0	SVOL	37.14	980	J	UG/KG	UNKNOWN HYDROCARBON
20_DD3	S1454353	2	SVOL	33.85	490	J	UG/KG	UNKNOWN HYDROCARBON
20_DD3	S1454353	2	SVOL	35.54	260	J	UG/KG	UNKNOWN HYDROCARBON
20_DD4	S1454170	0	SVOL	36.44	260	J	UG/KG	UNKNOWN HYDROCARBON
20_DD4	S1454170	0	SVOL	38.29	770	J	UG/KG	UNKNOWN HYDROCARBON
20_DD4	S1454170	0	SVOL	40.33	740	J	UG/KG	UNKNOWN HYDROCARBON
20_DD4	S1454526	0	SVOL	35.47	290	J	UG/KG	UNKNOWN HYDROCARBON
20_DD4	S1454526	0	SVOL	36.44	420	J	UG/KG	UNKNOWN HYDROCARBON
20_DD4	S1454526	0	SVOL	37.37	330	J	UG/KG	UNKNOWN HYDROCARBON
20_DD4	S1454526	0	SVOL	38.28	820	J	UG/KG	UNKNOWN HYDROCARBON
20_DD4	S1454526	0	SVOL	40.33	350	J	UG/KG	UNKNOWN HYDROCARBON
20_DD4	S1454170	0	VOL	237	120	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
20_DD5	S1454184	0	VOL	237	510	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
20_DD5	S1454184RE	0	VOL	236	550	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
20_DD5	S1454184	0	VOL	439	7	J	UG/KG	UNKNOWN
20_DD5	S1454184RE	0	VOL	438	5	J	UG/KG	UNKNOWN
20_DD5	S1454193	2	SVOL	38.29	490	J	UG/KG	UNKNOWN HYDROCARBON
20_DD5	S1454193	2	SVOL	40.34	310	J	UG/KG	UNKNOWN HYDROCARBON
20_DD5	S1454509	2	SVOL	38.28	470	J	UG/KG	UNKNOWN HYDROCARBON
20_DD5	S1454193	2	VOL	236	33	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
20_DD5	S1454211	4	SVOL	36.44	270	J	UG/KG	UNKNOWN HYDROCARBON
20_DD5	S1454211	4	SVOL	38.29	580	J	UG/KG	UNKNOWN HYDROCARBON
20_DD6	S1454212	0	SVOL	26.28	960	J	UG/KG	UNKNOWN
20_DD6	S1454212	0	SVOL	27.40	380	J	UG/KG	UNKNOWN
20_DD6	S1454212	0	SVOL	31.67	2300	J	UG/KG	UNKNOWN
20_DD6	S1454212	0	SVOL	32.60	1900	J	UG/KG	UNKNOWN
20_DD6	S1454212	0	SVOL	36.47	2700	J	UG/KG	UNKNOWN
20_DD6	S1454212	0	SVOL	37.82	2700	J	UG/KG	UNKNOWN
20_DD6	S1454212	0	SVOL	39.43	1700	J	UG/KG	UNKNOWN
20_DD6	S1454212	0	SVOL	39.74	1500	J	UG/KG	UNKNOWN
20_DD6	S1454212	0	SVOL	40.06	1500	J	UG/KG	UNKNOWN
20_DD6	S1454212	0	SVOL	40.34	1300	J	UG/KG	UNKNOWN
20_DD6	S1454212	0	SVOL	41.85	1700	J	UG/KG	UNKNOWN
20_DD6	S1454212	0	SVOL	24.80	25000	J	UG/KG	UNKNOWN HYDROCARBON
20_DD6	S1454212	0	SVOL	27.50	14000	J	UG/KG	UNKNOWN HYDROCARBON
20_DD6	S1454212	0	VOL	236	440	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
20_DD6	S1454212RE	0	VOL	237	320	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
20_DD6	S1454212	0	VOL	448	6	J	UG/KG	HEXANE,2-METHYL-
20_DD6	S1454212	0	VOL	438	10	J	UG/KG	UNKNOWN

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
20_DD6	S1454212RE	0	VOL	178	28	J	UG/KG	UNKNOWN
20_DD6	S1454212RE	0	VOL	439	18	J	UG/KG	UNKNOWN
20_DD6	S1454212RE	0	VOL	448	6	J	UG/KG	UNKNOWN
20_DD6	S1454215	2	SVOL	38.30	510	J	UG/KG	UNKNOWN
20_DD6	S1454254	4	SVOL	33.42	360	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	7.71	5100	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
20_GN1	S1454449	0	SVOL	31.89	360	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	32.80	290	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	33.16	270	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	33.38	270	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	36.43	460	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	37.46	1200	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	38.03	6700	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	39.17	9400	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	39.60	1800	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	39.88	1800	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	40.11	1500	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	40.37	1600	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	40.67	1300	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	40.91	1800	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	42.05	1800	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	43.51	940	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	SVOL	12.43	300	J	UG/KG	UNKNOWN HYDROCARBON
20_GN1	S1454449	0	SVOL	32.37	280	J	UG/KG	UNKNOWN HYDROCARBON
20_GN1	S1454449	0	VOL	21.79	3	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	VOL	26.53	15	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	VOL	26.76	8	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	VOL	31.37	15	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	VOL	33.38	13	J	UG/KG	UNKNOWN
20_GN1	S1454449	0	VOL	28.13	8	J	UG/KG	UNKNOWN C9H18
20_GN1	S1454255	2	SVOL	7.71	5200	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
20_GN1	S1454255	2	SVOL	34.48	370	J	UG/KG	UNKNOWN HYDROCARBON
20_GN1	S1454255	2	SVOL	35.49	350	J	UG/KG	UNKNOWN HYDROCARBON
20_GN1	S1454255	2	SVOL	36.46	530	J	UG/KG	UNKNOWN HYDROCARBON
20_GN1	S1454255	2	SVOL	37.40	360	J	UG/KG	UNKNOWN HYDROCARBON
20_GN1	S1454255	2	SVOL	38.31	1200	J	UG/KG	UNKNOWN HYDROCARBON
20_GN1	S1454255	2	SVOL	40.40	1200	J	UG/KG	UNKNOWN HYDROCARBON
20_GN1	S1454255	2	SVOL	43.13	400	J	UG/KG	UNKNOWN HYDROCARBON
20_GN2	S1454257	0	SVOL	23.47	170000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	25.08	23000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	31.08	33000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	31.93	36000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	32.62	54000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	32.81	51000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	33.42	33000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	33.75	33000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	33.88	42000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	34.90	54000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	35.11	51000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	35.57	36000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	35.89	60000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	36.15	54000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	36.84	48000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	37.10	30000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	37.74	39000	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	SVOL	28.82	32000	J	UG/KG	UNKNOWN HYDROCARBON
20_GN2	S1454257	0	SVOL	30.06	38000	J	UG/KG	UNKNOWN HYDROCARBON
20_GN2	S1454257	0	SVOL	30.46	23000	J	UG/KG	UNKNOWN HYDROCARBON
20_GN2	S1454257	0	SVOL	31.69	89000	J	UG/KG	UNKNOWN HYDROCARBON
20_GN2	S1454257	0	VOL	22.11	1400	J	UG/KG	UNKNOWN
20_GN2	S1454257	0	VOL	23.25	3200	J	UG/KG	UNKNOWN
20_GN2	S1454258	2	SVOL	7.71	4700	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
20_GN2	S1454258	2	SVOL	38.32	450	J	UG/KG	UNKNOWN HYDROCARBON
20_GN2	S1454258	2	SVOL	40.41	290	J	UG/KG	UNKNOWN HYDROCARBON
20_GN3	S1454260	0	SVOL	7.71	3800	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
20_GN3	S1454578	0	SVOL	7.70	4300	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
20_GN3	S1454260	0	SVOL	23.5	6100	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	24.87	480	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	25.12	770	J	UG/KG	UNKNOWN

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
20_GN3	S1454260	0	SVOL	25.43	580	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	31.74	1200	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	31.97	1300	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	32.88	1100	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	35.62	980	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	35.93	690	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	36.18	780	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	38.11	1500	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	38.23	1600	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	39.63	1300	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	39.91	1400	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	40.13	1500	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	40.39	940	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	40.68	940	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	40.94	1700	J	UG/KG	UNKNOWN
20_GN3	S1454260	0	SVOL	42.05	3100	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	23.49	6000	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	25.1	880	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	31.74	1300	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	31.97	1200	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	32.87	930	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	35.60	930	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	35.93	700	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	36.50	700	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	37.53	970	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	38.09	1600	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	38.49	1600	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	39.63	1100	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	39.90	1200	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	40.13	1600	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	40.41	1200	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	40.67	1100	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	40.95	1800	J	UG/KG	UNKNOWN
20_GN3	S1454578	0	SVOL	42.05	1700	J	UG/KG	UNKNOWN
20_GN3	S1454261	2	SVOL	7.72	3100	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
20_GN3	S1454261	2	SVOL	38.35	440	J	UG/KG	UNKNOWN HYDROCARBON
20_GN3	S1454261	2	SVOL	40.44	340	J	UG/KG	UNKNOWN HYDROCARBON
20_GN3	S1454264	4	SVOL	7.70	4100	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
20_GN3	S1454264	4	SVOL	16.25	360	J	UG/KG	UNKNOWN HYDROCARBON
20_GN3	S1454264	4	SVOL	18.16	330	J	UG/KG	UNKNOWN HYDROCARBON
20_GN3	S1454264	4	SVOL	34.50	350	J	UG/KG	UNKNOWN HYDROCARBON
20_GN3	S1454264	4	SVOL	35.50	380	J	UG/KG	UNKNOWN HYDROCARBON
20_GN3	S1454264	4	SVOL	36.47	530	J	UG/KG	UNKNOWN HYDROCARBON
20_GN3	S1454264	4	SVOL	37.41	440	J	UG/KG	UNKNOWN HYDROCARBON
20_GN3	S1454264	4	SVOL	38.32	980	J	UG/KG	UNKNOWN HYDROCARBON
20_GN3	S1454264	4	SVOL	40.42	470	J	UG/KG	UNKNOWN HYDROCARBON
20_SA2	S1454348	0	SVOL	35.59	2700	J	UG/KG	UNKNOWN HYDROCARBON
20_SA2	S1454349	2	SVOL	33.85	790	J	UG/KG	UNKNOWN HYDROCARBON
20_SA2	S1454349	2	SVOL	35.54	1300	J	UG/KG	UNKNOWN HYDROCARBON
20_SA2	S1454349	2	SVOL	37.13	440	J	UG/KG	UNKNOWN HYDROCARBON
20_SA2	S1454351	4	SVOL	33.86	290	J	UG/KG	UNKNOWN HYDROCARBON
20_SA3	S1454346	0	SVOL	36.57	330	J	UG/KG	UNKNOWN
20_SA3	S1454346	0	SVOL	37.39	450	J	UG/KG	UNKNOWN
20_SA3	S1454346	0	SVOL	37.63	410	J	UG/KG	UNKNOWN
20_SA3	S1454346	0	SVOL	37.77	390	J	UG/KG	UNKNOWN
20_SA3	S1454346	0	SVOL	37.99	820	J	UG/KG	UNKNOWN
20_SA3	S1454346	0	SVOL	38.74	540	J	UG/KG	UNKNOWN
20_SA3	S1454346	0	SVOL	32.08	290	J	UG/KG	UNKNOWN HYDROCARBON
20_SA3	S1454346	0	SVOL	33.88	730	J	UG/KG	UNKNOWN HYDROCARBON
20_SA3	S1454346	0	SVOL	35.57	900	J	UG/KG	UNKNOWN HYDROCARBON
20_SA3	S1454346	0	SVOL	37.16	900	J	UG/KG	UNKNOWN HYDROCARBON
20_SA3	S1454347	2	SVOL	33.79	610	J	UG/KG	UNKNOWN HYDROCARBON
20_SA3	S1454347	2	SVOL	35.47	420	J	UG/KG	UNKNOWN HYDROCARBON
Site 21								
21_CB	S1451033	0	SVOL	29.77	110	JN	UG/KG	2,3-NAPHTHALENETRICARBOXYLIC ACID
21_CB	S1451033	0	SVOL	27.29	120	JN	UG/KG	ANTHRACENE, 9-ETHENYL
21_CB	S1451033	0	SVOL	25.87	170	JN	UG/KG	DIBENZOTHIOPHENE
21_CB	S1451033	0	SVOL	25.57	220	J	UG/KG	UNKNOWN
21_CB	S1451033	0	SVOL	26.86	170	J	UG/KG	UNKNOWN

Table C2-1b
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
21_CB	S1451033	0	SVOL	28.34	130	J	UG/KG	UNKNOWN
21_CB	S1451033	0	SVOL	28.48	160	J	UG/KG	UNKNOWN
21_CB	S1451033	0	SVOL	28.59	200	J	UG/KG	UNKNOWN
21_CB	S1451033	0	SVOL	28.75	130	J	UG/KG	UNKNOWN
21_CB	S1451033	0	SVOL	28.88	900	J	UG/KG	UNKNOWN
21_CB	S1451033	0	SVOL	29.45	110	J	UG/KG	UNKNOWN
21_CB	S1451033	0	SVOL	43.34	920	J	UG/KG	UNKNOWN
21_CB	S1451033	0	SVOL	28.20	460	J	UG/KG	UNKNOWN C15H10 PAH
21_CB	S1451033	0	SVOL	27.86	240	J	UG/KG	UNKNOWN C15H12 PAH
21_CB	S1451033	0	SVOL	27.94	320	J	UG/KG	UNKNOWN C15H12 PAH
21_CB	S1451033	0	SVOL	20.00	630	J	UG/KG	UNKNOWN HYDROCARBON
21_CB	S1451033	0	SVOL	24.79	180	J	UG/KG	UNKNOWN HYDROCARBON
21_CB	S1451033	0	SVOL	36.60	3900	J	UG/KG	UNKNOWN HYDROCARBON
21_CB	S1451033	0	SVOL	38.50	2700	J	UG/KG	UNKNOWN HYDROCARBON
21_CB	S1451033	0	SVOL	40.62	3200	J	UG/KG	UNKNOWN HYDROCARBON
21_CB	S1451033	0	VOL	29.77	110	JN	UG/KG	2,3-NAPHTHALENETRICARBOXYLIC ACID
21_CB	S1451033	0	VOL	27.29	120	JN	UG/KG	ANTHRACENE, 9-ETHENYL
21_CB	S1451033	0	VOL	25.87	170	JN	UG/KG	DIBENZOTHIOPHENE
21_CB	S1451033	0	VOL	25.57	220	J	UG/KG	UNKNOWN
21_CB	S1451033	0	VOL	26.86	170	J	UG/KG	UNKNOWN
21_CB	S1451033	0	VOL	28.34	130	J	UG/KG	UNKNOWN
21_CB	S1451033	0	VOL	28.48	160	J	UG/KG	UNKNOWN
21_CB	S1451033	0	VOL	28.59	200	J	UG/KG	UNKNOWN
21_CB	S1451033	0	VOL	28.75	130	J	UG/KG	UNKNOWN
21_CB	S1451033	0	VOL	28.88	900	J	UG/KG	UNKNOWN
21_CB	S1451033	0	VOL	29.45	110	J	UG/KG	UNKNOWN
21_CB	S1451033	0	VOL	43.34	920	J	UG/KG	UNKNOWN
21_CB	S1451033	0	VOL	28.20	460	J	UG/KG	UNKNOWN C15H10 PAH
21_CB	S1451033	0	VOL	27.86	240	J	UG/KG	UNKNOWN C15H12 PAH
21_CB	S1451033	0	VOL	27.94	320	J	UG/KG	UNKNOWN C15H12 PAH
21_CB	S1451033	0	VOL	20.00	630	J	UG/KG	UNKNOWN HYDROCARBON
21_CB	S1451033	0	VOL	24.79	180	J	UG/KG	UNKNOWN HYDROCARBON
21_CB	S1451033	0	VOL	36.60	3900	J	UG/KG	UNKNOWN HYDROCARBON
21_CB	S1451033	0	VOL	38.5	2700	J	UG/KG	UNKNOWN HYDROCARBON
21_CB	S1451033	0	VOL	40.62	3200	J	UG/KG	UNKNOWN HYDROCARBON
21_GN1	S1454512	0	SVOL	38.33	420	J	UG/KG	UNKNOWN
21_GN1	S1454512	0	SVOL	41.71	280	J	UG/KG	UNKNOWN
21_GN1	S1454512	0	SVOL	24.81	270	J	UG/KG	UNKNOWN HYDROCARBON
21_GN1	S1454379	2	SVOL	38.32	460	J	UG/KG	UNKNOWN HYDROCARBON
21_GN1	S1454378	4	SVOL	36.47	330	J	UG/KG	UNKNOWN HYDROCARBON
21_GN1	S1454378	4	SVOL	38.32	450	J	UG/KG	UNKNOWN HYDROCARBON
21_GN2	S1454371	0	SVOL	41.70	300	J	UG/KG	UNKNOWN
21_GN2	S1454371	0	SVOL	38.31	520	J	UG/KG	UNKNOWN HYDROCARBON
21_GN2	S1454371	0	SVOL	40.38	380	J	UG/KG	UNKNOWN HYDROCARBON
21_GN2	S1454370	2	SVOL	36.47	330	J	UG/KG	UNKNOWN HYDROCARBON
21_GN2	S1454370	2	SVOL	38.31	630	J	UG/KG	UNKNOWN HYDROCARBON
21_GN2	S1454370	2	SVOL	40.37	330	J	UG/KG	UNKNOWN HYDROCARBON
Site 22								
22_1FB1	S1454383	0	SVOL	31.15	360	J	UG/KG	UNKNOWN
22_1FB1	S1454383	0	SVOL	31.31	260	J	UG/KG	UNKNOWN
22_1FB1	S1454383	0	SVOL	31.68	380	J	UG/KG	UNKNOWN
22_1FB1	S1454383	0	SVOL	34.01	340	J	UG/KG	UNKNOWN
22_1FB1	S1454383	0	SVOL	34.20	370	J	UG/KG	UNKNOWN
22_1FB1	S1454383	0	SVOL	34.56	290	J	UG/KG	UNKNOWN
22_1FB1	S1454383	0	SVOL	35.27	330	J	UG/KG	UNKNOWN
22_1FB1	S1454383	0	SVOL	32.14	860	J	UG/KG	UNKNOWN HYDROCARBON
22_1FB1	S1454382	2	SVOL	33.52	300	J	UG/KG	UNKNOWN
22_1FB1	S1454382	2	SVOL	33.78	280	J	UG/KG	UNKNOWN
22_1FB1	S1454382	2	SVOL	34.18	520	J	UG/KG	UNKNOWN
22_1FB1	S1454382	2	SVOL	34.56	630	J	UG/KG	UNKNOWN
22_1FB1	S1454382	2	SVOL	35.19	280	J	UG/KG	UNKNOWN
22_1FB1	S1454382	2	SVOL	35.28	620	J	UG/KG	UNKNOWN
22_1FB1	S1454382	2	SVOL	36.11	270	J	UG/KG	UNKNOWN
22_1FB2	S1454390	0	SVOL	12.37	290	J	UG/KG	UNKNOWN
22_1FB2	S1454390	0	SVOL	31.98	320	J	UG/KG	UNKNOWN
22_1FB2	S1454390	0	SVOL	33.37	260	J	UG/KG	UNKNOWN
22_1FB2	S1454390	0	SVOL	35.29	380	J	UG/KG	UNKNOWN
22_1FB2	S1454385	2	SVOL	33.37	340	J	UG/KG	UNKNOWN
22_1FB2	S1454385	2	SVOL	33.46	320	J	UG/KG	UNKNOWN

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF	Units	Chemical Name
22_1FB2	S1454385	2	SVOL	33.53	330	J	UG/KG	UNKNOWN
22_1FB2	S1454385	2	SVOL	33.8	340	J	UG/KG	UNKNOWN
22_1FB2	S1454385	2	SVOL	34.04	430	J	UG/KG	UNKNOWN
22_1FB2	S1454385	2	SVOL	34.21	650	J	UG/KG	UNKNOWN
22_1FB2	S1454385	2	SVOL	34.58	720	J	UG/KG	UNKNOWN
22_1FB2	S1454385	2	SVOL	35.05	340	J	UG/KG	UNKNOWN
22_1FB2	S1454385	2	SVOL	35.2	330	J	UG/KG	UNKNOWN
22_1FB2	S1454385	2	SVOL	35.3	510	J	UG/KG	UNKNOWN
22_1FB2	S1454385	2	SVOL	36.00	300	J	UG/KG	UNKNOWN
22_1FB2	S1454385	2	SVOL	36.13	320	J	UG/KG	UNKNOWN
22_1FB2	S1454385	2	VOL	11.62	6	JN	UG/KG	DIETHYL ETHER
22_1FB3	S1454381	0	SVOL	4.39	43000	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
22_1FB3	S1454381	0	SVOL	10.86	620	J	UG/KG	UNKNOWN
22_1FB3	S1454381	0	SVOL	11.8	2800	J	UG/KG	UNKNOWN
22_1FB3	S1454381	0	SVOL	15.6	270	J	UG/KG	UNKNOWN
22_1FB3	S1454381	0	SVOL	2.21	2400	J	UG/KG	UNKNOWN
22_1FB3	S1454381	0	SVOL	31.03	300	J	UG/KG	UNKNOWN
22_1FB3	S1454381	0	SVOL	31.19	280	J	UG/KG	UNKNOWN
22_1FB3	S1454381	0	SVOL	34.23	520	J	UG/KG	UNKNOWN
22_1FB3	S1454381	0	SVOL	34.59	530	J	UG/KG	UNKNOWN
22_1FB3	S1454381	0	SVOL	35.31	680	J	UG/KG	UNKNOWN
22_1FB3	S1454381	0	SVOL	17.22	360	J	UG/KG	UNKNOWN HYDROCARBON
22_1FB3	S1454381	0	SVOL	32.18	480	J	UG/KG	UNKNOWN HYDROCARBON
22_1FB3	S1454386	2	SVOL	25.38	130	J	UG/KG	UNKNOWN
22_1FB3	S1454386	2	SVOL	33.39	520	J	UG/KG	UNKNOWN
22_1FB3	S1454386	2	SVOL	33.50	550	J	UG/KG	UNKNOWN
22_1FB3	S1454386	2	SVOL	33.58	630	J	UG/KG	UNKNOWN
22_1FB3	S1454386	2	SVOL	33.84	630	J	UG/KG	UNKNOWN
22_1FB3	S1454386	2	SVOL	34.07	760	J	UG/KG	UNKNOWN
22_1FB3	S1454386	2	SVOL	34.25	1100	J	UG/KG	UNKNOWN
22_1FB3	S1454514	2	SVOL	32.92	390	J	UG/KG	UNKNOWN
22_1FB3	S1454514	2	SVOL	33.37	510	J	UG/KG	UNKNOWN
22_1FB3	S1454514	2	SVOL	33.47	620	J	UG/KG	UNKNOWN
22_1FB3	S1454514	2	SVOL	33.56	650	J	UG/KG	UNKNOWN
22_1FB3	S1454514	2	SVOL	33.82	640	J	UG/KG	UNKNOWN
22_1FB3	S1454514	2	SVOL	34.05	880	J	UG/KG	UNKNOWN
22_1FB3	S1454514	2	SVOL	34.22	1000	J	UG/KG	UNKNOWN
22_1FB3	S1454514	2	SVOL	34.59	1000	J	UG/KG	UNKNOWN
22_1FB3	S1454514	2	SVOL	35.31	900	J	UG/KG	UNKNOWN
22_1FB3	S1454386	2	SVOL	28.36	110	J	UG/KG	UNKNOWN PAH
22_1FB3	S1454386	2	SVOL	28.61	110	J	UG/KG	UNKNOWN PAH
22_2FB1	S1454388	2	SVOL	58	15000	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
22_2FB2	S145433501	0	SVOL	1448	1300	J	UG/KG	UNKNOWN
22_2FB2	S145433501	0	SVOL	1540	1900	J	UG/KG	UNKNOWN
22_2FB2	S145433501	0	SVOL	1569	1300	J	UG/KG	UNKNOWN
22_2FB2	S145433501	0	SVOL	1691	1691	J	UG/KG	UNKNOWN
22_2FB2	S145433501	0	SVOL	483	3900	J	UG/KG	UNKNOWN
22_2FB2	S145433501	0	SVOL	485	1000	J	UG/KG	UNKNOWN
22_2FB2	S145433501	0	SVOL	1438	2200	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	1442	1500	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	1443	1600	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	1457	2700	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	1462	2800	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	1471	1200	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	1480	4500	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	1485	4900	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	1493	1493	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	1525	1500	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	1530	1000	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	1543	2400	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	1572	2500	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	654	820	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	673	1100	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	719	1100	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	723	1000		UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	749	1100	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	753	1200	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	824	1300	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	895	1400	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1b

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Sediments and Surface/Near-Surface Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
22_2FB2	S145433501	0	SVOL	895	1400	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	899	2000	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	903	1100	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	969	1500	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	SVOL	973	890	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB2	S145433501	0	VOL	32.29	6	J	UG/KG	UNKNOWN
22_2FB3	S1454377	0	SVOL	1488	370	J	UG/KG	UNKNOWN
22_2FB3	S1454377	0	SVOL	1544	520	J	UG/KG	UNKNOWN
22_2FB3	S1454377	0	SVOL	1690	370	J	UG/KG	UNKNOWN
22_2FB3	S1454377	0	SVOL	927	300	J	UG/KG	UNKNOWN
22_2FB3	S1454377RX	0	SVOL	1564	370	J	UG/KG	UNKNOWN
22_2FB3	S1454377RX	0	SVOL	1568	590	J	UG/KG	UNKNOWN
22_2FB3	S1454377RX	0	SVOL	1582	440	J	UG/KG	UNKNOWN
22_2FB3	S1454377RX	0	SVOL	1604	300	J	UG/KG	UNKNOWN
22_2FB3	S1454377RX	0	SVOL	1626	370	J	UG/KG	UNKNOWN
22_2FB3	S1454377RX	0	SVOL	1634	440	J	UG/KG	UNKNOWN
22_2FB3	S1454377RX	0	SVOL	1687	440	J	UG/KG	UNKNOWN
22_2FB3	S1454377	0	SVOL	724	300	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454377	0	SVOL	904	520	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454377	0	SVOL	973	540	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454377RX	0	SVOL	1405	290	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454377RX	0	SVOL	1479	520	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454377RX	0	SVOL	1539	740	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454377RX	0	SVOL	899	440	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454377RX	0	SVOL	921	300	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454377RX	0	SVOL	968	370	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454380	2	SVOL	3.03	4800	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
22_2FB3	S1454380	2	SVOL	12.37	290	J	UG/KG	UNKNOWN
22_2FB3	S1454380	2	SVOL	31.98	320	J	UG/KG	UNKNOWN
22_2FB3	S1454380	2	SVOL	33.37	260	J	UG/KG	UNKNOWN
22_2FB3	S1454380	2	SVOL	35.29	380	J	UG/KG	UNKNOWN
22_2FB3	S1454380	2	VOL	26.44	410	J	UG/KG	UNKNOWN
22_2FB3	S1454380	2	VOL	27.99	140	J	UG/KG	UNKNOWN
22_2FB3	S1454380	2	VOL	28.49	32	J	UG/KG	UNKNOWN
22_2FB3	S1454380	2	VOL	28.90	25	J	UG/KG	UNKNOWN
22_2FB3	S1454380	2	VOL	31.09	360	J	UG/KG	UNKNOWN
22_2FB3	S1454380	2	VOL	32.14	100	J	UG/KG	UNKNOWN
22_2FB3	S1454380	2	VOL	33.24	1000	J	UG/KG	UNKNOWN
22_2FB3	S1454448	4	SVOL	520	110000	J	UG/KG	CYCLOHEXANE, 2-BUTYL-1,1,3-T
22_2FB3	S1454448	4	SVOL	484	120000	J	UG/KG	UNKNOWN
22_2FB3	S1454448	4	SVOL	534	74000	J	UG/KG	UNKNOWN
22_2FB3	S1454448	4	SVOL	544	76000	J	UG/KG	UNKNOWN
22_2FB3	S1454448	4	SVOL	627	58000	J	UG/KG	UNKNOWN
22_2FB3	S1454448	4	SVOL	396	67000	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454448	4	SVOL	414	64000	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454448	4	SVOL	424	85000	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454448	4	SVOL	462	71000	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454448	4	SVOL	497	180000	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454448	4	SVOL	556	140000	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454448	4	SVOL	565	170000	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454448	4	SVOL	570	160000	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454448	4	SVOL	589	230000	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454448	4	SVOL	654	110000	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454448	4	SVOL	674	180000	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454448	4	SVOL	723	83000	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454448	4	SVOL	752	81000	J	UG/KG	UNKNOWN HYDROCARBON
22_2FB3	S1454448	4	VOL	26.55	290	J	UG/KG	UNKNOWN
22_2FB3	S1454448	4	VOL	28.10	130	J	UG/KG	UNKNOWN
22_2FB3	S1454448	4	VOL	28.56	22	J	UG/KG	UNKNOWN
22_2FB3	S1454448	4	VOL	31.16	330	J	UG/KG	UNKNOWN
22_2FB3	S1454448	4	VOL	32.30	170	J	UG/KG	UNKNOWN
22_2FB3	S1454448	4	VOL	33.35	810	J	UG/KG	UNKNOWN
22_DBS	S145432801	0	SVOL	32.15	370	J	UG/KG	UNKNOWN
22_DBS	S145432801	0	SVOL	35.29	330	J	UG/KG	UNKNOWN
22_DBS	S145432801	0	SVOL	44.34	520	J	UG/KG	UNKNOWN

(a) A definition of each data validation flag (DVF) is provided in Table B-1.

Table C2-1c

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
Site 2								
02_DGMW59	S1456010	48	VOL	223	15	JN	UG/KG	DIETHYL ETHER
02_DGMW59	S1457163	48	VOL	223	11	J	UG/KG	DIETHYL ETHER
02_DGMW59	S1456014	62	VOL	223	8	JN	UG/KG	DIETHYL ETHER
02_S&DB200	S1456018	10	SVOL	33.63	590	J	UG/KG	UNKNOWN
02_S&DB200	S1456029	10	VOL	221	6	J	UG/KG	UNKNOWN
02_S&DB200	S1456020	20	SVOL	37.07	840	J	UG/KG	UNKNOWN
02_S&DB200	S1456021	35	VOL	22.42	5	J	UG/KG	UNKNOWN
Site 3								
03_DGMW64	S1456049	200	VOL	22.42	7	J	UG/KG	UNKNOWN
03_DGMW64	S1457152	200	VOL	22.42	9	J	UG/KG	UNKNOWN
03_DGMW64	S1456033	248	VOL	22.42	6	J	UG/KG	UNKNOWN
03_DGMW65	S1456050	225	SVOL	3.68	2600	JN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
03_DGMW65	S1456050	225	SVOL	29.29	480	J	UG/KG	UNKNOWN
03_UGMW26	S1456040	85	SVOL	27.17	350	J	UG/KG	UNKNOWN
03_UGMW26	S1456040	85	SVOL	29.37	290	J	UG/KG	UNKNOWN
03_UGMW26	S1456040	85	SVOL	33.65	400	J	UG/KG	UNKNOWN
Site 4								
04_DBMW40	S1456061	45	SVOL	37.54	330	J	UG/KG	UNKNOWN
04_DBMW40	S1456063	215	SVOL	31.58	290	J	UG/KG	UNKNOWN
04_DBMW40	S1456063	215	SVOL	33.83	240	J	UG/KG	UNKNOWN
04_DGMW66	S1456055	215	SVOL	34.83	300	J	UG/KG	UNKNOWN HYDROCARBON
04_DGMW66	S1456055	215	SVOL	35.82	300	J	UG/KG	UNKNOWN HYDROCARBON
04_DGMW66	S1456055	215	VOL	22.36	9	J	UG/KG	UNKNOWN C7H14O
04_DGMW66	S1457065	215	VOL	22.37	16	J	UG/KG	UNKNOWN C7H14O
04_UGMW63	S1457145	230	SVOL	31.54	280	J	UG/KG	UNKNOWN HYDROCARBON
04_UGMW63	S1457145	230	SVOL	32.46	300	J	UG/KG	UNKNOWN HYDROCARBON
04_UGMW63	S1457145	230	SVOL	33.34	310	J	UG/KG	UNKNOWN HYDROCARBON
04_UGMW63	S1457145	230	SVOL	34.19	270	J	UG/KG	UNKNOWN HYDROCARBON
Site 5								
05_DBMW41	S1456073	10	SVOL	11.34	110	J	UG/KG	UNKNOWN
05_DBMW41	S1456073	10	SVOL	10.26	270	J	UG/KG	UNKNOWN C10H16
05_DGMW67	S1456066	126	SVOL	12.22	300	J	UG/KG	UNKNOWN HYDROCARBON
05_DGMW68	S1456067	40	SVOL	26.53	1000	J	UG/KG	UNKNOWN
05_DGMW68	S1456067	40	SVOL	28.71	920	J	UG/KG	UNKNOWN
05_DGMW68	S1456067	40	SVOL	28.86	280	J	UG/KG	UNKNOWN HYDROCARBON
05_DGMW68	S1456067	40	SVOL	29.88	320	J	UG/KG	UNKNOWN HYDROCARBON
05_DGMW68	S1456067	40	SVOL	30.85	300	J	UG/KG	UNKNOWN HYDROCARBON
05_DGMW68	S1456067	40	SVOL	31.80	280	J	UG/KG	UNKNOWN HYDROCARBON
05_DGMW68	S1456067	40	SVOL	33.61	280	J	UG/KG	UNKNOWN HYDROCARBON
05_DGMW68	S1457097	182	SVOL	14.15	760	J	UG/KG	UNKNOWN HYDROCARBON
05_DGMW68	S1457097	182	SVOL	16.22	1200	J	UG/KG	UNKNOWN HYDROCARBON
05_DGMW68	S1457097	182	SVOL	16.50	440	J	UG/KG	UNKNOWN HYDROCARBON
05_DGMW68	S1457097	182	SVOL	17.63	660	J	UG/KG	UNKNOWN HYDROCARBON
05_DGMW68	S1457097	182	SVOL	18.13	1400	J	UG/KG	UNKNOWN HYDROCARBON
05_DGMW68	S1457097	182	SVOL	19.53	690	J	UG/KG	UNKNOWN HYDROCARBON
05_DGMW68	S1457097	182	SVOL	19.92	1300	J	UG/KG	UNKNOWN HYDROCARBON
05_DGMW68	S1457097	182	SVOL	21.00	460	J	UG/KG	UNKNOWN HYDROCARBON
05_DGMW68	S1457097	182	SVOL	21.61	680	J	UG/KG	UNKNOWN HYDROCARBON
05_DGMW68	S1457097	182	SVOL	34.74	320	J	UG/KG	UNKNOWN HYDROCARBON
05_UGMW27	S1456080	175	SVOL	7.97	3900	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
Site 6								
06_DB201	S1456091	5	SVOL	33.79	510	J	UG/KG	UNKNOWN
06_DB201	S1456092	50	SVOL	33.80	510	J	UG/KG	UNKNOWN
Site 7								
07_DBMW100	S1457113	3	SVOL	16.22	350	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457113	3	SVOL	18.13	420	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457113	3	SVOL	19.92	350	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457113	3	SVOL	38.29	360	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457114	8	SVOL	14.14	690	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457114	8	SVOL	16.21	1300	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457114	8	SVOL	16.49	510	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457114	8	SVOL	17.63	730	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457114	8	SVOL	18.13	1800	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457114	8	SVOL	19.28	270	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457114	8	SVOL	19.92	1800	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457114	8	SVOL	20.98	610	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457114	8	SVOL	21.61	890	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457114	8	SVOL	38.28	450	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1c
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Vadose Zone (Subsurface) Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
07_DBMW100	S1457115	13	SVOL	11.86	310	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457115	13	SVOL	14.14	1100	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457115	13	SVOL	16.21	1600	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457115	13	SVOL	16.49	620	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457115	13	SVOL	17.45	280	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457115	13	SVOL	17.62	830	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457115	13	SVOL	19.52	770	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457115	13	SVOL	19.92	1600	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457115	13	SVOL	20.98	530	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457115	13	SVOL	21.60	760	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457116	18	SVOL	16.21	270	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457116	18	SVOL	18.12	440	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457116	18	SVOL	19.91	370	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457118	28	SVOL	33.42	300	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457118	28	SVOL	35.47	280	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457118	28	SVOL	38.29	470	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW100	S1457120	109	SVOL	35.49	270	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW43	S1456105	5	SVOL	32.60	330	J	UG/KG	UNKNOWN
07_DBMW43	S1456110	15	SVOL	29.20	280	J	UG/KG	UNKNOWN
07_DBMW70	S1456111	20	SVOL	33.18	530	J	UG/KG	UNKNOWN
07_DBMW70	S1456111	20	SVOL	33.51	600	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW70	S1456111	20	SVOL	34.55	710	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW70	S1456111	20	SVOL	35.56	620	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW70	S1456111	20	SVOL	36.53	410	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW70	S1456109	25	SVOL	24.57	280	J	UG/KG	UNKNOWN
07_DBMW70	S1457160	40	SVOL	241	28000	JNB	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
07_DBMW70	S1457160	40	SVOL	1617	1300	J	UG/KG	UNKNOWN
07_DBMW70	S1457160	40	SVOL	1751	970	J	UG/KG	UNKNOWN
07_DBMW70	S1457160	40	SVOL	253	560	J	UG/KG	UNKNOWN
07_DBMW70	S1457160	40	SVOL	261	970	J	UG/KG	UNKNOWN
07_DBMW70	S1457160	40	SVOL	278	1500	J	UG/KG	UNKNOWN
07_DBMW70	S1457160	40	SVOL	1694	480	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW70	S1457160	40	SVOL	1759	720	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW70	S1457160	40	SVOL	1881	810	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW70	S1457160	40	SVOL	1939	640	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW70	S1457160	40	SVOL	1996	480	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW70	S1457160	40	SVOL	2050	400	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW70	S1456101	60	SVOL	2.36	8600	JNB	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
07_DBMW70	S1456101	60	SVOL	2.75	440	JB	UG/KG	UNKNOWN
07_DBMW70	S1456101	60	SVOL	20.27	370	J	UG/KG	UNKNOWN
07_DBMW70	S1456114	100	SVOL	2.41	25000	JNB	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
07_DBMW70	S1456114	100	SVOL	17.50	670	J	UG/KG	OCTADECANOIC ACID, 2-METHYLPR
07_DBMW70	S1456114	100	SVOL	16.16	670	J	UG/KG	UNKNOWN
07_DBMW70	S1456114	100	SVOL	2.52	600	JB	UG/KG	UNKNOWN
07_DBMW70	S1456114	100	SVOL	2.60	890	JB	UG/KG	UNKNOWN
07_DBMW70	S1456114	100	SVOL	2.77	1600	JB	UG/KG	UNKNOWN
07_DBMW70	S1456114	100	SVOL	17.59	370	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW70	S1456114	100	SVOL	18.81	450	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW70	S1456114	100	SVOL	19.39	450	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW70	S1456114	100	SVOL	19.95	370	J	UG/KG	UNKNOWN HYDROCARBON
07_DBMW70	S1456114	100	SVOL	20.49	370	J	UG/KG	UNKNOWN HYDROCARBON
07_DGMW71	S1456103	110	VOL	22.42	5	J	UG/KG	UNKNOWN
07_DGMW71	S1456115	120	VOL	22.47	5	J	UG/KG	UNKNOWN
07_DGMW91	S1456341	110	VOL	231	39	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
07_DGMW91	S1456342	120	VOL	230	42	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
Site 8								
08_25B203	S1456121	20	SVOL	29.20	920	J	UG/KG	UNKNOWN ACID ESTER
08_25B203	S1456122	25	SVOL	32.61	310	J	UG/KG	UNKNOWN
08_25B203	S1457063	25	SVOL	29.20	850	J	UG/KG	UNKNOWN ACID ESTER
08_25B204	S1456124	10	SVOL	36.75	340	J	UG/KG	UNKNOWN HYDROCARBON
08_25B205	S1456128	5	VOL	32.67	8	J	UG/KG	UNKNOWN SILOXANE
08_25B205	S1456130	15	SVOL	31.60	540	J	UG/KG	UNKNOWN
08_25B205	S1456130	15	SVOL	33.86	470	J	UG/KG	UNKNOWN
08_25B205	S1457026	15	VOL	32.68	8	J	UG/KG	UNKNOWN SILOXANE
08_25B206	S1457027	5	SVOL	31.34	2600	JB	UG/KG	UNKNOWN
08_25B206	S1457027	5	SVOL	33.60	2100	JB	UG/KG	UNKNOWN
08_25B206	S1457027	5	SVOL	33.83	450	J	UG/KG	UNKNOWN
08_25B206	S1457027	5	SVOL	31.50	710	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457027	5	SVOL	32.63	1200	JB	UG/KG	UNKNOWN HYDROCARBON

Table C2-1c
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Vadose Zone (Subsurface) Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
08_25B206	S1457027	5	SVOL	33.72	1500	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457027	5	SVOL	34.76	1600	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457027	5	SVOL	35.77	1600	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457027	5	SVOL	36.74	1600	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457027	5	SVOL	37.67	1500	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457027	5	SVOL	38.61	1500	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457027	5	SVOL	39.64	820	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457027	5	SVOL	40.78	810	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457028	10	SVOL	33.71	340	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457028	10	SVOL	34.75	380	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457028	10	SVOL	35.76	360	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457028	10	SVOL	36.73	280	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457029	15	SVOL	37.37	760	J	UG/KG	UNKNOWN
08_25B206	S1457029	15	SVOL	38.51	670	J	UG/KG	UNKNOWN
08_25B206	S1457029	15	SVOL	43.32	390	J	UG/KG	UNKNOWN
08_25B206	S1457029	15	SVOL	33.81	350	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457029	15	SVOL	34.84	420	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457029	15	SVOL	35.85	490	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457029	15	SVOL	36.82	440	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457032	15	SVOL	32.70	330	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457032	15	SVOL	33.80	670	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457032	15	SVOL	34.83	980	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457032	15	SVOL	35.84	1100	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457032	15	SVOL	36.81	1100	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457032	15	SVOL	37.75	1200	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457032	15	SVOL	38.69	1100	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457032	15	SVOL	39.72	750	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457032	15	SVOL	40.88	580	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457032	15	SVOL	42.21	310	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457030	20	SVOL	32.67	300	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457030	20	SVOL	33.76	480	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457030	20	SVOL	34.81	480	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457030	20	SVOL	35.81	490	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457030	20	SVOL	36.78	330	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457031	25	SVOL	33.78	320	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457031	25	SVOL	34.82	310	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457031	25	SVOL	35.83	360	JB	UG/KG	UNKNOWN HYDROCARBON
08_25B206	S1457031	25	SVOL	10.27	490	J	UG/KG	UNKNOWN SUBSTITUTED BENZENE
08_DB202	S1456135	5	VOL	12.03	14	JN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
08_DB202	S1456136	10	VOL	11.99	9	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
08_DB202	S1456137	15	VOL	11.98	17	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
08_DB202	S1456138	20	VOL	12.02	16	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
08_DB202	S1457057	45	SVOL	29.20	950	J	UG/KG	UNKNOWN ACID ESTER
08_DB202	S1457058	55	VOL	22.33	6	J	UG/KG	UNKNOWN
Site 9								
09_25B207	S1456154	5	VOL	12.02	26	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
09_25B207	S1456156	10	VOL	12.02	23	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
09_25B207	S1456159	15	VOL	12.02	21	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
09_DBMW45	S1456148	5	SVOL	23.92	350	J	UG/KG	UNKNOWN
09_DBMW45	S1456148	5	SVOL	29.10	240	J	UG/KG	UNKNOWN
09_DBMW45	S1456148	5	SVOL	29.64	300	J	UG/KG	UNKNOWN
09_DBMW45	S1456148	5	SVOL	30.09	400	J	UG/KG	UNKNOWN
09_DBMW45	S1456148	5	SVOL	30.64	310	J	UG/KG	UNKNOWN
09_DBMW45	S1456148	5	SVOL	31.91	600	J	UG/KG	UNKNOWN
09_DBMW45	S1456148	5	SVOL	33.41	890	J	UG/KG	UNKNOWN
09_DBMW45	S1456148	5	SVOL	33.66	1000	J	UG/KG	UNKNOWN
09_DBMW45	S1456148	5	SVOL	34.05	730	J	UG/KG	UNKNOWN
09_DBMW45	S1456148	5	SVOL	34.27	680	J	UG/KG	UNKNOWN
09_DBMW45	S1456148	5	SVOL	34.52	940	J	UG/KG	UNKNOWN
09_DBMW45	S1456148	5	SVOL	35.08	830	J	UG/KG	UNKNOWN
09_DBMW45	S1456148	5	SVOL	35.33	1300	J	UG/KG	UNKNOWN
09_DBMW45	S1456148	5	SVOL	36.15	940	J	UG/KG	UNKNOWN
09_DBMW45	S1456148	5	SVOL	36.59	730	J	UG/KG	UNKNOWN
09_DBMW45	S1456148	5	SVOL	37.39	1100	J	UG/KG	UNKNOWN
09_DBMW45	S1456148	5	SVOL	24.12	440	J	UG/KG	UNKNOWN HYDROCARBON
09_DBMW45	S1456148	5	SVOL	25.33	430	J	UG/KG	UNKNOWN HYDROCARBON
09_DBMW45	S1456148	5	SVOL	26.47	370	J	UG/KG	UNKNOWN HYDROCARBON
09_DBMW45	S1456152	15	SVOL	7.30	380	J	UG/KG	UNKNOWN
09_DGMW75	S1457134	60	SVOL	37.12	1400	J	UG/KG	UNKNOWN

Table C2-1c

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
09_DGMW75	S1456167	60	TRPH	7.80	4000	JBN	MG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
Site 10								
10_DB208	S1456399	5	SVOL	33.47	400	J	UG/KG	UNKNOWN HYDROCARBON
10_DB208	S1456399	5	SVOL	35.52	330	J	UG/KG	UNKNOWN HYDROCARBON
Site 12								
12_DBMW48	S1456190	30	VOL	228	7	J	UG/KG	UNKNOWN
12_DBMW48	S1456191	40	VOL	227	6	J	UG/KG	UNKNOWN
12_DBMW48	S1456198	100	VOL	228	7	J	UG/KG	UNKNOWN
Site 13								
13_25B211	S1456209	25	SVOL	37.05	1500	J	UG/KG	UNKNOWN
13_DBMW49	S1456201	5	SVOL	21.23	140	JN	UG/KG	UNKNOWN
13_DBMW49	S1456201	5	SVOL	24.86	680	JN	UG/KG	UNKNOWN HYDROCARBON
13_DBMW49	S1456201	5	SVOL	26.33	660	JN	UG/KG	UNKNOWN HYDROCARBON
13_DBMW49	S1456207	130	SVOL	33.50	800	JN	UG/KG	UNKNOWN ACID ESTER
13_DGMW78	S1456676	135	VOL	23.10	12	J	UG/KG	UNKNOWN
13_DGMW78	S1456676	135	VOL	27.57	4	J	UG/KG	UNKNOWN
Site 14								
14_DBMW50	S1456220	5	SVOL	38.35	390	J	UG/KG	UNKNOWN HYDROCARBON
14_DBMW50	S1456222	15	SVOL	38.35	540	J	UG/KG	UNKNOWN HYDROCARBON
14_DBMW50	S1456224	25	SVOL	38.36	330	J	UG/KG	UNKNOWN
14_DBMW50	S1456225	55	SVOL	33.48	380	J	UG/KG	UNKNOWN HYDROCARBON
14_DBMW50	S1456225	55	SVOL	35.54	310	J	UG/KG	UNKNOWN HYDROCARBON
Site 15								
15_DBMW51	S1456235	5	VOL	520	31	JN	UG/KG	ALPHA,-PINENE C10H16
15_DBMW51	S1456235	5	VOL	535	12	J	UG/KG	UNKNOWN
15_DBMW51	S1456240	50	VOL	22.32	34000	J	UG/KG	UNKNOWN
15_DBMW51	S1456240	50	VOL	23.38	36000	J	UG/KG	UNKNOWN
15_DBMW51	S1456240	50	VOL	26.93	20000	J	UG/KG	UNKNOWN
15_DBMW51	S1456240	50	VOL	21.01	26000	J	UG/KG	UNKNOWN HYDROCARBON
Site 16								
16_AB213	S1456249	10	SVOL	18.57	58000	JN	UG/KG	NAPHTHALENE,1-METHYL-
16_AB213	S1456249	10	SVOL	12.48	54000	J	UG/KG	UNKNOWN
16_AB213	S1456249	10	SVOL	14.60	37000	J	UG/KG	UNKNOWN
16_AB213	S1456249	10	SVOL	15.38	57000	J	UG/KG	UNKNOWN
16_AB213	S1456249	10	SVOL	15.70	40000	J	UG/KG	UNKNOWN
16_AB213	S1456249	10	SVOL	16.84	40000	J	UG/KG	UNKNOWN
16_AB213	S1456249	10	SVOL	18.24	360000	J	UG/KG	UNKNOWN
16_AB213	S1456249	10	SVOL	19.06	50000	J	UG/KG	UNKNOWN
16_AB213	S1456763	10	SVOL	14.49	15000	J	UG/KG	UNKNOWN
16_AB213	S1456763	10	SVOL	14.85	15000	J	UG/KG	UNKNOWN
16_AB213	S1456763	10	SVOL	15.36	18000	J	UG/KG	UNKNOWN
16_AB213	S1456763	10	SVOL	15.69	16000	J	UG/KG	UNKNOWN
16_AB213	S1456763	10	SVOL	19.04	16000	J	UG/KG	UNKNOWN
16_AB213	S1456763	10	SVOL	20.88	16000	J	UG/KG	UNKNOWN
16_AB213	S1456249	10	SVOL	11.94	79000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456249	10	SVOL	14.23	210000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456249	10	SVOL	15.58	57000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456249	10	SVOL	16.59	130000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456249	10	SVOL	17.54	54000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456249	10	SVOL	17.73	170000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456249	10	SVOL	19.37	62000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456249	10	SVOL	19.62	170000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456249	10	SVOL	20.02	320000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456249	10	SVOL	21.07	140000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456249	10	SVOL	21.69	170000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456249	10	SVOL	23.27	61000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456763	10	SVOL	11.93	21000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456763	10	SVOL	14.21	71000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456763	10	SVOL	15.56	19000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456763	10	SVOL	16.29	120000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456763	10	SVOL	16.56	46000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456763	10	SVOL	17.52	19000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456763	10	SVOL	17.70	63000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456763	10	SVOL	18.54	20000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456763	10	SVOL	19.35	20000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456763	10	SVOL	19.59	72000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456763	10	SVOL	20.00	130000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456763	10	SVOL	21.05	54000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456763	10	SVOL	21.68	75000	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1c

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Vadose Zone (Subsurface) Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
16_AB213	S1456763	10	SVOL	23.26	24000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456249	10	SVOL	20.58	51000	J	UG/KG	UNKNOWN NAPHTHALENE DIMETHYL
16_AB213	S1456249	10	VOL	20.58	28000	J	UG/KG	UNKNOWN
16_AB213	S1456249	10	VOL	23.42	69000	J	UG/KG	UNKNOWN
16_AB213	S1456249	10	VOL	24.69	30000	J	UG/KG	UNKNOWN
16_AB213	S1456249	10	VOL	24.99	60000	J	UG/KG	UNKNOWN
16_AB213	S1456249	10	VOL	25.26	35000	J	UG/KG	UNKNOWN
16_AB213	S1456249	10	VOL	25.49	32000	J	UG/KG	UNKNOWN
16_AB213	S1456763	10	VOL	22.35	27000	J	UG/KG	UNKNOWN
16_AB213	S1456763	10	VOL	24.66	43000	J	UG/KG	UNKNOWN
16_AB213	S1456763	10	VOL	24.96	56000	J	UG/KG	UNKNOWN
16_AB213	S1456763	10	VOL	20.58	21000	J	UG/KG	UNKNOWN BENZENE ETHYL METHYL
16_AB213	S1456763	10	VOL	25.88	37000	J	UG/KG	UNKNOWN C11H14
16_AB213	S1456249	10	VOL	21.66	43000	J	UG/KG	UNKNOWN C9H12 SUB BENZENE
16_AB213	S1456763	10	VOL	21.64	47000	J	UG/KG	UNKNOWN C9H12 SUB BENZENE
16_AB213	S1456249	10	VOL	21.04	32000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456249	10	VOL	23.92	74000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456763	10	VOL	23.90	47000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456763	10	VOL	25.24	31000	J	UG/KG	UNKNOWN SUB BENZENE C10H14
16_AB213	S1456763	10	VOL	25.37	37000	J	UG/KG	UNKNOWN SUB BENZENE C10H14
16_AB213	S1456249	10	VOL	22.38	34000	J	UG/KG	UNKNOWN SUB CYCLOHEXANE, BUTYL
16_AB213	S1456763	10	VOL	23.41	76000	J	UG/KG	UNKNOWN SUBSTITUTED BENZENE
16_AB213	S1456250	20	SVOL	18.56	78000	JN	UG/KG	NAPHTHALENE,1-METHYL-
16_AB213	S1456250	20	SVOL	14.51	51000	J	UG/KG	UNKNOWN
16_AB213	S1456250	20	SVOL	14.61	54000	J	UG/KG	UNKNOWN
16_AB213	S1456250	20	SVOL	15.38	80000	J	UG/KG	UNKNOWN
16_AB213	S1456250	20	SVOL	16.84	58000	J	UG/KG	UNKNOWN
16_AB213	S1456250	20	SVOL	18.24	390000	J	UG/KG	UNKNOWN
16_AB213	S1456250	20	SVOL	11.95	130000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	SVOL	12.48	78000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	SVOL	14.24	310000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	SVOL	15.58	84000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	SVOL	15.70	57000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	SVOL	16.59	180000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	SVOL	17.54	69000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	SVOL	17.73	210000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	SVOL	19.38	77000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	SVOL	19.62	230000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	SVOL	20.02	380000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	SVOL	21.07	170000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	SVOL	21.69	200000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	SVOL	23.26	71000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	SVOL	20.58	64000	J	UG/KG	UNKNOWN NAPHTHALENE DIMETHYL
16_AB213	S1456250	20	VOL	22.92	9300	J	UG/KG	UNKNOWN
16_AB213	S1456250	20	VOL	23.43	15000	J	UG/KG	UNKNOWN
16_AB213	S1456250	20	VOL	24.28	13000	J	UG/KG	UNKNOWN
16_AB213	S1456250	20	VOL	24.70	8500	J	UG/KG	UNKNOWN
16_AB213	S1456250	20	VOL	24.98	20000	J	UG/KG	UNKNOWN
16_AB213	S1456250	20	VOL	25.28	22000	J	UG/KG	UNKNOWN
16_AB213	S1456250	20	VOL	21.05	20000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	VOL	21.72	16000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	VOL	23.94	50000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456250	20	VOL	22.37	21000	J	UG/KG	UNKNOWN SUB CYCLOHEXANE, BUTYL
16_AB213	S1456247	30	SVOL	15.36	25000	J	UG/KG	UNKNOWN
16_AB213	S1456247	30	SVOL	15.70	22000	J	UG/KG	UNKNOWN
16_AB213	S1456247	30	SVOL	16.82	21000	J	UG/KG	UNKNOWN
16_AB213	S1456247	30	SVOL	17.10	20000	J	UG/KG	UNKNOWN
16_AB213	S1456247	30	SVOL	18.18	20000	J	UG/KG	UNKNOWN
16_AB213	S1456247	30	SVOL	18.55	33000	J	UG/KG	UNKNOWN
16_AB213	S1456247	30	SVOL	19.05	25000	J	UG/KG	UNKNOWN
16_AB213	S1456247	30	SVOL	20.88	24000	J	UG/KG	UNKNOWN
16_AB213	S1456247	30	SVOL	11.93	29000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456247	30	SVOL	14.22	110000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456247	30	SVOL	15.56	29000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456247	30	SVOL	16.57	69000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456247	30	SVOL	17.53	30000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456247	30	SVOL	17.71	100000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456247	30	SVOL	19.36	33000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456247	30	SVOL	19.60	120000	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1c
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Vadose Zone (Subsurface) Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
16_AB213	S1456247	30	SVOL	20.01	200000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456247	30	SVOL	21.06	84000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456247	30	SVOL	21.69	110000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456247	30	SVOL	23.27	39000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456247	30	VOL	24.26	20000	J	UG/KG	BENZENE, 1-METHYL-3-(1-METHYLE)
16_AB213	S1456247	30	VOL	25.23	34000	J	UG/KG	CYCLOHEXANE,DECYL-
16_AB213	S1456247	30	VOL	22.32	34000	J	UG/KG	UNKNOWN
16_AB213	S1456247	30	VOL	23.38	36000	J	UG/KG	UNKNOWN
16_AB213	S1456247	30	VOL	24.93	36000	J	UG/KG	UNKNOWN
16_AB213	S1456247	30	VOL	25.44	20000	J	UG/KG	UNKNOWN
16_AB213	S1456247	30	VOL	25.85	15000	J	UG/KG	UNKNOWN C11H14
16_AB213	S1456247	30	VOL	21.63	27000	J	UG/KG	UNKNOWN C9H12 SUB BENZENE
16_AB213	S1456247	30	VOL	21.01	26000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456247	30	VOL	23.89	69000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456261	40	SVOL	15.38	33000	J	UG/KG	UNKNOWN
16_AB213	S1456261	40	SVOL	16.83	30000	J	UG/KG	UNKNOWN
16_AB213	S1456261	40	SVOL	17.10	26000	J	UG/KG	UNKNOWN
16_AB213	S1456261	40	SVOL	18.24	280000	J	UG/KG	UNKNOWN
16_AB213	S1456261	40	SVOL	19.05	37000	J	UG/KG	UNKNOWN
16_AB213	S1456261	40	SVOL	20.88	36000	J	UG/KG	UNKNOWN
16_AB213	S1456261	40	SVOL	11.94	46000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456261	40	SVOL	14.22	140000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456261	40	SVOL	15.57	38000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456261	40	SVOL	15.70	28000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456261	40	SVOL	16.58	96000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456261	40	SVOL	17.54	41000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456261	40	SVOL	17.72	140000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456261	40	SVOL	19.37	45000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456261	40	SVOL	19.61	150000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456261	40	SVOL	20.01	280000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456261	40	SVOL	21.07	120000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456261	40	SVOL	21.69	160000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456261	40	SVOL	23.27	57000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456261	40	SVOL	18.55	49000	J	UG/KG	UNKNOWN HYDROCARBON & 1-METHYL NAP
16_AB213	S1456261	40	SVOL	20.58	33000	J	UG/KG	UNKNOWN NAPHTHALENE DIMETHYL
16_AB213	S1456261	40	VOL	20.63	32000	J	UG/KG	UNKNOWN
16_AB213	S1456261	40	VOL	22.40	30000	J	UG/KG	UNKNOWN
16_AB213	S1456261	40	VOL	23.46	58000	J	UG/KG	UNKNOWN
16_AB213	S1456261	40	VOL	24.73	30000	J	UG/KG	UNKNOWN
16_AB213	S1456261	40	VOL	25.01	45000	J	UG/KG	UNKNOWN
16_AB213	S1456261	40	VOL	25.31	26000	J	UG/KG	UNKNOWN
16_AB213	S1456261	40	VOL	21.69	39000	J	UG/KG	UNKNOWN C9H12 SUB BENZENE
16_AB213	S1456261	40	VOL	21.09	26000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456261	40	VOL	23.95	49000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456261	40	VOL	24.34	22000	J	UG/KG	UNKNOWN SUB BENZENE C10H14
16_AB213	S1456262	50	SVOL	18.57	14000	JN	UG/KG	1,2-BENZENEDICARBOXYLIC ACID
16_AB213	S1456262	50	SVOL	38.55	22000	J	UG/KG	UNKNOWN
16_AB213	S1456262	50	VOL	22.43	26000	J	UG/KG	UNKNOWN
16_AB213	S1456262	50	VOL	23.50	52000	J	UG/KG	UNKNOWN
16_AB213	S1456262	50	VOL	24.77	28000	J	UG/KG	UNKNOWN
16_AB213	S1456262	50	VOL	25.04	44000	J	UG/KG	UNKNOWN
16_AB213	S1456262	50	VOL	25.32	27000	J	UG/KG	UNKNOWN
16_AB213	S1456262	50	VOL	20.63	24000	J	UG/KG	UNKNOWN BENZENE ETHYL METHYL
16_AB213	S1456262	50	VOL	21.72	34000	J	UG/KG	UNKNOWN C9H12 SUB BENZENE
16_AB213	S1456262	50	VOL	21.10	24000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456262	50	VOL	23.98	56000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456262	50	VOL	24.37	21000	J	UG/KG	UNKNOWN SUB BENZENE C10H14
16_AB213	S1456263	60	SVOL	18.55	36000	J	UG/KG	NAPHTHALENE,1-METHYL-
16_AB213	S1456263	60	SVOL	14.86	21000	J	UG/KG	UNKNOWN
16_AB213	S1456263	60	SVOL	15.37	29000	J	UG/KG	UNKNOWN
16_AB213	S1456263	60	SVOL	15.70	22000	J	UG/KG	UNKNOWN
16_AB213	S1456263	60	SVOL	16.83	22000	J	UG/KG	UNKNOWN
16_AB213	S1456263	60	SVOL	18.23	210000	J	UG/KG	UNKNOWN
16_AB213	S1456263	60	SVOL	19.06	26000	J	UG/KG	UNKNOWN
16_AB213	S1456263	60	SVOL	11.94	33000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456263	60	SVOL	14.23	110000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456263	60	SVOL	15.57	30000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456263	60	SVOL	16.30	170000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456263	60	SVOL	16.57	69000	J	UG/KG	UNKNOWN HYDROCARBON

Table C2-1c
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Vadose Zone (Subsurface) Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
16_AB213	S1456263	60	SVOL	17.53	30000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456263	60	SVOL	17.71	100000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456263	60	SVOL	19.37	33000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456263	60	SVOL	19.61	100000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456263	60	SVOL	20.01	180000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456263	60	SVOL	21.07	81000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456263	60	SVOL	21.68	110000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456263	60	SVOL	23.27	39000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456263	60	SVOL	20.57	26000	J	UG/KG	UNKNOWN NAPHTHALENE DIMETHYL
16_AB213	S1456263	60	VOL	22.50	21000	J	UG/KG	UNKNOWN
16_AB213	S1456263	60	VOL	24.83	22000	J	UG/KG	UNKNOWN
16_AB213	S1456263	60	VOL	25.11	40000	J	UG/KG	UNKNOWN
16_AB213	S1456263	60	VOL	25.41	24000	J	UG/KG	UNKNOWN
16_AB213	S1456263	60	VOL	24.44	17000	J	UG/KG	UNKNOWN BENZENE ETHYL DIMETHYL
16_AB213	S1456263	60	VOL	21.79	26000	J	UG/KG	UNKNOWN C9H12 SUB BENZENE
16_AB213	S1456263	60	VOL	21.16	20000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456263	60	VOL	24.05	45000	J	UG/KG	UNKNOWN HYDROCARBON
16_AB213	S1456263	60	VOL	23.56	41000	J	UG/KG	UNKNOWN SUB BENZENE C10H14
16_DGMW81	S1456260	188	VOL	20.63	32000	J	UG/KG	UNKNOWN
16_DGMW81	S1456260	188	VOL	22.40	30000	J	UG/KG	UNKNOWN
16_DGMW81	S1456260	188	VOL	23.46	58000	J	UG/KG	UNKNOWN
16_DGMW81	S1456260	188	VOL	25.01	45000	J	UG/KG	UNKNOWN
16_DGMW81	S1456260	188	VOL	25.31	26000	J	UG/KG	UNKNOWN
16_DGMW81	S1456260	188	VOL	26.73	30000	J	UG/KG	UNKNOWN
16_DGMW81	S1456260	188	VOL	21.09	26000	J	UG/KG	UNKNOWN HYDROCARBON
16_DGMW81	S1456260	188	VOL	23.95	49000	J	UG/KG	UNKNOWN HYDROCARBON
Site 17								
17_DB053	S1456279	10	SVOL	18.71	1000	J	UG/KG	UNKNOWN
17_DB053	S1456279	10	SVOL	35.51	490	J	UG/KG	UNKNOWN HYDROCARBON
17_DB053	S1456279	10	SVOL	36.48	600	J	UG/KG	UNKNOWN HYDROCARBON
17_DB053	S1456279	10	SVOL	37.42	730	J	UG/KG	UNKNOWN HYDROCARBON
17_DB053	S1456279	10	SVOL	38.33	1100	J	UG/KG	UNKNOWN HYDROCARBON
17_DB053	S1456279	10	SVOL	39.31	610	J	UG/KG	UNKNOWN HYDROCARBON
17_DB053	S1456279	10	SVOL	40.39	640	J	UG/KG	UNKNOWN HYDROCARBON
17_DB053	S1456279	10	SVOL	32.61	970	J	UG/KG	UNKNOWN PAH
17_DGMW82	S1457171	235	VOL	4.41	8	J	UG/KG	UNKNOWN
17_DGMW82	S1457172	238	VOL	4.41	8	J	UG/KG	UNKNOWN
Site 18								
18_ACAB222	S1456416	10	SVOL	31.11	300	J	UG/KG	UNKNOWN
18_ACAB222	S1456416	10	SVOL	33.63	440	J	UG/KG	UNKNOWN
18_ACAB222	S1456416	10	SVOL	36.19	250	J	UG/KG	UNKNOWN
18_ACAB222	S1456416	10	SVOL	36.34	260	J	UG/KG	UNKNOWN
18_ACAB222	S1456417	20	SVOL	31.11	290	J	UG/KG	UNKNOWN
18_ACAB222	S1456417	20	SVOL	36.19	340	J	UG/KG	UNKNOWN
18_ACAB222	S1456417	20	SVOL	36.33	320	J	UG/KG	UNKNOWN
18_ACAB222	S1456418	30	SVOL	30.32	350	J	UG/KG	UNKNOWN
18_ACAB222	S1456418	30	SVOL	30.48	380	J	UG/KG	UNKNOWN
18_ACAB222	S1456418	30	SVOL	31.11	490	J	UG/KG	UNKNOWN
18_ACAB222	S1456418	30	SVOL	36.19	510	J	UG/KG	UNKNOWN
18_ACAB222	S1456418	30	SVOL	36.34	530	J	UG/KG	UNKNOWN
18_ACAB222	S1456418	30	SVOL	33.18	260	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB222	S1456418	30	SVOL	34.11	260	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB222	S1456420	50	SVOL	33.18	280	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB222	S1456420	50	SVOL	34.99	280	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB222	S1456421	60	SVOL	33.90	610	J	UG/KG	UNKNOWN
18_ACAB222	S1456421	60	SVOL	30.20	300	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB222	S1456421	60	SVOL	31.23	520	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB222	S1456421	60	SVOL	32.22	610	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB222	S1456421	60	SVOL	33.18	720	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB222	S1456421	60	SVOL	34.10	680	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB222	S1456421	60	SVOL	34.99	640	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB222	S1456421	60	SVOL	35.85	360	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB222	S1456421	60	SVOL	36.69	290	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB223	S1456593	20	SVOL	11.28	26000	J	UG/KG	UNKNOWN
18_ACAB223	S1456593	20	SVOL	13.29	44000	J	UG/KG	UNKNOWN
18_ACAB223	S1456593	20	SVOL	13.96	32000	J	UG/KG	UNKNOWN
18_ACAB223	S1456593	20	SVOL	14.07	22000	J	UG/KG	UNKNOWN
18_ACAB223	S1456593	20	SVOL	14.59	27000	J	UG/KG	UNKNOWN
18_ACAB223	S1456593	20	SVOL	14.73	26000	J	UG/KG	UNKNOWN

Table C2-1c
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Vadose Zone (Subsurface) Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
18_ACAB223	S1456593	20	SVOL	15.06	20000	J	UG/KG	UNKNOWN
18_ACAB223	S1456593	20	SVOL	15.41	15000	J	UG/KG	UNKNOWN
18_ACAB223	S1456593	20	SVOL	15.53	16000	J	UG/KG	UNKNOWN
18_ACAB223	S1456593	20	SVOL	15.72	16000	J	UG/KG	UNKNOWN
18_ACAB223	S1456593	20	SVOL	16.27	19000	J	UG/KG	UNKNOWN
18_ACAB223	S1456593	20	SVOL	13.24	110000	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB223	S1456593	20	SVOL	14.35	160000	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB223	S1456593	20	SVOL	15.15	26000	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB223	S1456593	20	SVOL	16.18	100000	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB223	S1456593	20	SVOL	16.63	20000	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB223	S1456593	20	SVOL	17.59	87000	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB223	S1456593	20	SVOL	20.44	13000	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB223	S1456593	20	SVOL	16.50	17000	J	UG/KG	UNKNOWN NAPHTHALENE DIMETHYL
18_ACAB223	S1456593	20	SVOL	16.76	21000	J	UG/KG	UNKNOWN NAPHTHALENE DIMETHYL
18_ACAB223	S1456593	20	VOL	26.20	510	J	UG/KG	UNKNOWN
18_ACAB223	S1456593	20	VOL	26.52	140	J	UG/KG	UNKNOWN
18_ACAB223	S1456593	20	VOL	27.75	300	J	UG/KG	UNKNOWN
18_ACAB223	S1456593	20	VOL	28.07	54	J	UG/KG	UNKNOWN
18_ACAB223	S1456593	20	VOL	30.67	720	J	UG/KG	UNKNOWN
18_ACAB223	S1456593	20	VOL	31.77	450	J	UG/KG	UNKNOWN
18_ACAB223	S1456593	20	VOL	32.77	1300	J	UG/KG	UNKNOWN
18_ACAB224	S1456584	10	SVOL	32.24	240	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB224	S1456584	10	SVOL	33.20	300	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB224	S1456584	10	SVOL	34.12	320	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB224	S1456584	10	SVOL	35.01	360	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB224	S1456584	10	SVOL	35.88	300	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB224	S1456584	10	SVOL	36.71	280	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB224	S1456585	20	SVOL	13.67	8200	J	UG/KG	UNKNOWN
18_ACAB224	S1456585	20	SVOL	14.78	18000	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB224	S1456585	20	SVOL	16.62	16000	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB224	S1456585	20	SVOL	18.04	12000	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB224	S1456585	20	VOL	481	130	JN	UG/KG	BICYCLO 3.3.1 NONANE C9H16
18_ACAB224	S1456585	20	VOL	429	60	JN	UG/KG	PENTALENE, OCTAHYDRO-CIS C8H14
18_ACAB224	S1456585	20	VOL	499	170	JN	UG/KG	TRICYCLO 3.3.1.13,7 DECANE C10H16
18_ACAB224	S1456585	20	VOL	522	100	J	UG/KG	UNKNOWN
18_ACAB224	S1456585	20	VOL	533	940	J	UG/KG	UNKNOWN
18_ACAB224	S1456585	20	VOL	564	170	J	UG/KG	UNKNOWN
18_ACAB224	S1456585	20	VOL	576	40	J	UG/KG	UNKNOWN
18_ACAB224	S1456585	20	VOL	610	360	J	UG/KG	UNKNOWN
18_ACAB224	S1456585	20	VOL	614	670	J	UG/KG	UNKNOWN
18_ACAB224	S1456585	20	VOL	638	630	J	UG/KG	UNKNOWN
18_ACAB224	S1456585	20	VOL	661	350	J	UG/KG	UNKNOWN
18_ACAB224	S1456585	20	VOL	687	1300	J	UG/KG	UNKNOWN
18_ACAB224	S1456586	30	VOL	498	30	J	UG/KG	UNKNOWN
18_ACAB224	S1456586	30	VOL	533	30	J	UG/KG	UNKNOWN
18_ACAB224	S1456586	30	VOL	617	115	J	UG/KG	UNKNOWN
18_ACAB224	S1456586	30	VOL	641	60	J	UG/KG	UNKNOWN
18_ACAB224	S1456586	30	VOL	664	30	J	UG/KG	UNKNOWN
18_ACAB224	S1456586	30	VOL	691	245	J	UG/KG	UNKNOWN
18_ACAB224	S1456586	30	VOL	529	50	J	UG/KG	UNKNOWN SUB CYCLOHEXANE
18_ACAB224	S1456587	40	VOL	482	54	JN	UG/KG	NAPHTHALENE, DEAHYDRO-C10H18
18_ACAB224	S1456587	40	VOL	445	6	J	UG/KG	UNKNOWN
18_ACAB224	S1456587	40	VOL	461	9	J	UG/KG	UNKNOWN
18_ACAB224	S1456587	40	VOL	505	10	J	UG/KG	UNKNOWN
18_ACAB224	S1456587	40	VOL	534	23	J	UG/KG	UNKNOWN
18_ACAB224	S1456587	40	VOL	572	20	J	UG/KG	UNKNOWN
18_ACAB224	S1456587	40	VOL	633	33	J	UG/KG	UNKNOWN
18_ACAB224	S1456587	40	VOL	666	7	J	UG/KG	UNKNOWN
18_ACAB224	S1456587	40	VOL	692	17	J	UG/KG	UNKNOWN
18_ACAB225	S1456669	20	SVOL	1022	1200	J	UG/KG	UNKNOWN
18_ACAB225	S1456669	20	SVOL	1062	900	J	UG/KG	UNKNOWN
18_ACAB225	S1456669	20	SVOL	1068	900	J	UG/KG	UNKNOWN
18_ACAB225	S1456669	20	SVOL	1081	800	J	UG/KG	UNKNOWN
18_ACAB225	S1456669	20	SVOL	2056	6800	J	UG/KG	UNKNOWN
18_ACAB225	S1456669	20	SVOL	808	760	J	UG/KG	UNKNOWN
18_ACAB225	S1456669	20	SVOL	838	1100	J	UG/KG	UNKNOWN
18_ACAB225	S1456669	20	SVOL	854	900	J	UG/KG	UNKNOWN
18_ACAB225	S1456669	20	SVOL	867	900	J	UG/KG	UNKNOWN
18_ACAB225	S1456669	20	SVOL	884	1300	J	UG/KG	UNKNOWN

Table C2-1c
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Vadose Zone (Subsurface) Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
18_ACAB225	S1456669	20	SVOL	903	1100	J	UG/KG	UNKNOWN
18_ACAB225	S1456669	20	SVOL	914	800	J	UG/KG	UNKNOWN
18_ACAB225	S1456669	20	SVOL	925	1100	J	UG/KG	UNKNOWN
18_ACAB225	S1456669	20	SVOL	950	1400	J	UG/KG	UNKNOWN
18_ACAB225	S1456669	20	SVOL	976	1100	J	UG/KG	UNKNOWN
18_ACAB225	S1456669	20	SVOL	1004	680	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB225	S1456669	20	SVOL	1092	600	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB225	S1456669	20	SVOL	890	800	J	UG/KG	UNKNOWN HYDROCARBON
18_ACAB225	S1456669	20	SVOL	898	900	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456616	10	SVOL	7.73	4100	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
18_BEAB226	S1456617	20	SVOL	29.98	240	J	UG/KG	UNKNOWN
18_BEAB226	S1456617	20	SVOL	33.50	260	J	UG/KG	UNKNOWN
18_BEAB226	S1456618	30	SVOL	15.38	2200	J	UG/KG	UNKNOWN
18_BEAB226	S1456618	30	SVOL	16.86	2900	J	UG/KG	UNKNOWN
18_BEAB226	S1456618	30	SVOL	17.35	2100	J	UG/KG	UNKNOWN
18_BEAB226	S1456618	30	SVOL	18.73	2200	J	UG/KG	UNKNOWN
18_BEAB226	S1456618	30	SVOL	19.10	3700	J	UG/KG	UNKNOWN
18_BEAB226	S1456618	30	SVOL	19.95	2800	J	UG/KG	UNKNOWN
18_BEAB226	S1456618	30	SVOL	20.93	3200	J	UG/KG	UNKNOWN
18_BEAB226	S1456619	30	SVOL	15.41	2700	J	UG/KG	UNKNOWN
18_BEAB226	S1456619	30	SVOL	16.90	3800	J	UG/KG	UNKNOWN
18_BEAB226	S1456619	30	SVOL	17.17	2900	J	UG/KG	UNKNOWN
18_BEAB226	S1456619	30	SVOL	17.39	2600	J	UG/KG	UNKNOWN
18_BEAB226	S1456619	30	SVOL	19.14	6200	J	UG/KG	UNKNOWN
18_BEAB226	S1456619	30	SVOL	20.77	4500	J	UG/KG	UNKNOWN
18_BEAB226	S1456619	30	SVOL	20.98	4400	J	UG/KG	UNKNOWN
18_BEAB226	S1456619	30	SVOL	23.53	4100	J	UG/KG	UNKNOWN
18_BEAB226	S1456618	30	SVOL	36.32	3600	J	UG/KG	UNKNOWN C21H2104P
18_BEAB226	S1456618	30	SVOL	36.64	5100	J	UG/KG	UNKNOWN C21H2104P
18_BEAB226	S1456618	30	SVOL	36.92	2900	J	UG/KG	UNKNOWN C21H2104P
18_BEAB226	S1456619	30	SVOL	36.36	9300	J	UG/KG	UNKNOWN C21H2104P
18_BEAB226	S1456618	30	SVOL	16.62	7500	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456618	30	SVOL	17.78	9800	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456618	30	SVOL	18.58	4200	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456618	30	SVOL	19.69	14000	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456618	30	SVOL	21.12	11000	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456618	30	SVOL	24.91	11000	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456618	30	SVOL	26.40	4500	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456618	30	SVOL	27.49	3200	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456619	30	SVOL	14.63	3000	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456619	30	SVOL	16.65	9700	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456619	30	SVOL	17.84	14000	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456619	30	SVOL	18.64	6400	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456619	30	SVOL	19.75	22000	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456619	30	SVOL	21.20	19000	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456619	30	SVOL	21.48	4400	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456619	30	SVOL	24.97	21000	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456619	30	SVOL	26.44	15000	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456619	30	SVOL	27.52	6400	J	UG/KG	UNKNOWN HYDROCARBON
18_BEAB226	S1456618	30	SVOL	20.32	3600	J	UG/KG	UNKNOWN NAPHTHALENE DIMETHYL
18_BEAB226	S1456618	30	VOL	26.20	140	J	UG/KG	UNKNOWN
18_BEAB226	S1456618	30	VOL	27.75	35	J	UG/KG	UNKNOWN
18_BEAB226	S1456618	30	VOL	30.67	73	J	UG/KG	UNKNOWN
18_BEAB226	S1456618	30	VOL	31.81	49	J	UG/KG	UNKNOWN
18_BGMW05D	S1457033	10	SVOL	35.82	380	JB	UG/KG	UNKNOWN HYDROCARBON
18_BGMW05D	S1457034	20	SVOL	33.78	310	JB	UG/KG	UNKNOWN HYDROCARBON
18_BGMW05D	S1457034	20	SVOL	34.81	330	JB	UG/KG	UNKNOWN HYDROCARBON
18_BGMW05D	S1457034	20	SVOL	35.82	310	JB	UG/KG	UNKNOWN HYDROCARBON
18_BGMW05D	S1457035	30	SVOL	33.77	310	JB	UG/KG	UNKNOWN HYDROCARBON
18_BGMW05D	S1457035	30	SVOL	34.81	320	JB	UG/KG	UNKNOWN HYDROCARBON
18_BGMW05D	S1457035	30	SVOL	35.81	300	JB	UG/KG	UNKNOWN HYDROCARBON
18_BGMW05D	S1457035	30	SVOL	36.78	290	J	UG/KG	UNKNOWN HYDROCARBON
18_BGMW05D	S1457044	30	SVOL	34.81	280	JB	UG/KG	UNKNOWN HYDROCARBON
18_BGMW05D	S1457044	30	SVOL	35.81	260	JB	UG/KG	UNKNOWN HYDROCARBON
18_BOAB221	S145670101	10	SVOL	3.72	3700	JN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
18_BOAB221	S145670101	10	SVOL	32.69	520	J	UG/KG	UNKNOWN
18_BOAB221	S145670101	10	SVOL	29.28	890	J	UG/KG	UNKNOWN ACID ESTER
18_BOAB221	S1456703	30	SVOL	3.69	2700	JN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
18_BOAB221	S1456706	60	SVOL	3.84	3600	JN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL

Table C2-1c
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Vadose Zone (Subsurface) Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
18_MCAB228	S1456511	30	SVOL	38.44	400	JN	UG/KG	CYCLOTRISILOXANE,HEXAMETHYL-
18_MCAB228	S1456511	30	SVOL	31.19	2200	J	UG/KG	UNKNOWN
18_MCAB228	S1456511	30	SVOL	33.44	1800	J	UG/KG	UNKNOWN
18_MCAB228	S1456511	30	SVOL	31.35	290	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456511	30	SVOL	32.49	460	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456511	30	SVOL	33.57	630	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456511	30	SVOL	35.62	600	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456511	30	SVOL	36.60	490	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456511	30	SVOL	37.52	510	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456512	40	SVOL	44.34	360	JN	UG/KG	CYCLOTRISILOXANE,HEXAMETHYL-
18_MCAB228	S1456708	40	SVOL	39.42	370	JN	UG/KG	CYCLOTRISILOXANE,HEXAMETHYL-
18_MCAB228	S1456512	40	SVOL	31.19	3700	J	UG/KG	UNKNOWN
18_MCAB228	S1456512	40	SVOL	33.44	2800	J	UG/KG	UNKNOWN
18_MCAB228	S1456512	40	SVOL	33.67	300	J	UG/KG	UNKNOWN
18_MCAB228	S1456708	40	SVOL	31.18	4000	J	UG/KG	UNKNOWN
18_MCAB228	S1456708	40	SVOL	33.43	2700	J	UG/KG	UNKNOWN
18_MCAB228	S1456708	40	SVOL	33.66	270	J	UG/KG	UNKNOWN
18_MCAB228	S1456512	40	SVOL	31.35	610	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456512	40	SVOL	32.49	1000	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456512	40	SVOL	33.58	1400	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456512	40	SVOL	35.62	1400	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456512	40	SVOL	36.59	1200	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456512	40	SVOL	37.53	1100	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456512	40	SVOL	38.44	1000	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456512	40	SVOL	39.43	440	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456708	40	SVOL	31.84	550	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456708	40	SVOL	32.48	800	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456708	40	SVOL	33.56	1000	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456708	40	SVOL	35.62	970	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456708	40	SVOL	36.58	850	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456708	40	SVOL	37.52	810	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456708	40	SVOL	38.43	780	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456513	50	SVOL	39.43	310	JN	UG/KG	CYCLOTRISILOXANE,HEXAMETHYL-
18_MCAB228	S1456513	50	SVOL	31.18	3900	J	UG/KG	UNKNOWN
18_MCAB228	S1456513	50	SVOL	33.44	3300	J	UG/KG	UNKNOWN
18_MCAB228	S1456513	50	SVOL	33.66	310	J	UG/KG	UNKNOWN
18_MCAB228	S1456513	50	SVOL	44.34	420	J	UG/KG	UNKNOWN
18_MCAB228	S1456513	50	SVOL	31.35	560	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456513	50	SVOL	32.48	790	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456513	50	SVOL	33.57	950	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456513	50	SVOL	35.62	920	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456513	50	SVOL	36.58	790	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456513	50	SVOL	37.52	810	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456513	50	SVOL	38.43	730	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB228	S1456513	50	SVOL	40.54	310	J	UG/KG	UNKNOWN HYDROCARBON
18_MCAB229	S1456503	10	SVOL	27.21	240	J	UG/KG	UNKNOWN ISOMER OF DDD OR DDT
18_MCAB229	S1456503	10	SVOL	28.02	560	J	UG/KG	UNKNOWN ISOMER OF DDD OR DDT
18_MCAB229	S1456504	20	SVOL	29.41	300	J	UG/KG	UNKNOWN
Site 19								
19_25B214	S1456315	5	SVOL	16.21	260	J	UG/KG	UNKNOWN HYDROCARBON
19_25B214	S1456315	5	SVOL	18.12	270	J	UG/KG	UNKNOWN HYDROCARBON
19_25B214	S1456312	10	SVOL	10.82	320	J	UG/KG	UNKNOWN
19_25B214	S1456312	10	SVOL	11.08	720	J	UG/KG	UNKNOWN
19_25B214	S1457082	10	SVOL	23.67	320	J	UG/KG	UNKNOWN
19_25B214	S1457082	10	SVOL	24.28	290	J	UG/KG	UNKNOWN
19_25B214	S1457082	10	SVOL	33.42	300	J	UG/KG	UNKNOWN
19_25B214	S1457082	10	SVOL	36.96	1600	J	UG/KG	UNKNOWN
19_25B214	S1456312	10	SVOL	33.42	530	J	UG/KG	UNKNOWN HYDROCARBON
19_25B214	S1456312	10	SVOL	35.47	790	J	UG/KG	UNKNOWN HYDROCARBON
19_25B214	S1456312	10	SVOL	36.44	700	J	UG/KG	UNKNOWN HYDROCARBON
19_25B214	S1456312	10	SVOL	37.37	620	J	UG/KG	UNKNOWN HYDROCARBON
19_25B214	S1456312	10	SVOL	38.28	770	J	UG/KG	UNKNOWN HYDROCARBON
19_25B214	S1457082	10	SVOL	36.45	250	J	UG/KG	UNKNOWN HYDROCARBON
19_25B214	S1457082	10	SVOL	38.29	970	J	UG/KG	UNKNOWN HYDROCARBON
19_25B214	S1457082	10	SVOL	40.35	400	J	UG/KG	UNKNOWN HYDROCARBON
19_25B214	S1457082	10	VOL	236	34	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
19_25B214	S1456316	20	SVOL	38.29	350	J	UG/KG	UNKNOWN HYDROCARBON
19_25B214	S1456317	25	VOL	236	26	JN	UG/KG	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
19_25B215	S1456318	5	SVOL	37.56	900	J	UG/KG	UNKNOWN

Table C2-1c
Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Vadose Zone (Subsurface) Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
19_25B215	S1456318	5	SVOL	38.92	560	J	UG/KG	UNKNOWN HYDROCARBON
19_25B215	S1456318	5	SVOL	41.18	320	J	UG/KG	UNKNOWN HYDROCARBON
19_25B215	S1456319	10	SVOL	37.57	560	J	UG/KG	UNKNOWN
19_25B215	S1456322	25	SVOL	8.14	3000	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
19_AB218	S1456293	20	SVOL	33.49	310	J	UG/KG	UNKNOWN HYDROCARBON
19_AB218	S1456293	20	SVOL	35.54	590	J	UG/KG	UNKNOWN HYDROCARBON
19_AB218	S1456293	20	SVOL	36.52	580	J	UG/KG	UNKNOWN HYDROCARBON
19_AB218	S1456293	20	SVOL	37.45	560	J	UG/KG	UNKNOWN HYDROCARBON
19_AB218	S1456293	20	SVOL	38.36	560	J	UG/KG	UNKNOWN HYDROCARBON
19_DBMW54	S1457050	15	SVOL	3.57	2300	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
19_DBMW54	S1457051	25	SVOL	29.26	320	J	UG/KG	UNKNOWN
19_DBMW54	S1457051	25	SVOL	29.42	370	J	UG/KG	UNKNOWN
19_DBMW54	S1457051	25	SVOL	30.05	350	J	UG/KG	UNKNOWN
19_DBMW54	S1457051	25	SVOL	35.09	420	J	UG/KG	UNKNOWN
19_DBMW54	S1457051	25	SVOL	35.25	430	J	UG/KG	UNKNOWN
19_DBMW54	S1456311	45	SVOL	3.55	2400	JBN	UG/KG	2-PENTANONE,4-HYDROXY-4-METHYL
19_DBMW54	S1456298RX	141	SVOL	33.99	690	J	UG/KG	UNKNOWN HYDROCARBON
19_DBMW54	S1456298RX	141	SVOL	35.67	990	J	UG/KG	UNKNOWN HYDROCARBON
19_DGMW85	S1457087	140	SVOL	32.55	510	J	UG/KG	UNKNOWN
19_DGMW85	S1457087	140	SVOL	33.64	710	J	UG/KG	UNKNOWN
19_DGMW85	S1457087	140	SVOL	34.32	720	J	UG/KG	UNKNOWN
19_DGMW85	S1457087	140	SVOL	28.29	1900	J	UG/KG	UNKNOWN C15H10 PAH
19_DGMW85	S1457087	140	SVOL	27.95	950	J	UG/KG	UNKNOWN C15H12 PAH
19_DGMW85	S1457087	140	SVOL	28.03	1300	J	UG/KG	UNKNOWN C15H12 PAH
19_DGMW85	S1457087	140	SVOL	28.37	760	J	UG/KG	UNKNOWN C15H12 PAH
19_DGMW85	S1457087	140	SVOL	28.92	760	J	UG/KG	UNKNOWN C16H12 PAH
19_DGMW85	S1457087	140	SVOL	32.00	1000	J	UG/KG	UNKNOWN C17H12 PAH
19_DGMW85	S1457087	140	SVOL	32.32	640	J	UG/KG	UNKNOWN C17H12 PAH
19_DGMW85	S1457087	140	SVOL	35.12	720	J	UG/KG	UNKNOWN C18H10 PAH
19_DGMW85	S1457087	140	SVOL	36.06	620	J	UG/KG	UNKNOWN C19H14 PAH
19_DGMW85	S1457087	140	SVOL	36.16	570	J	UG/KG	UNKNOWN C19H14 PAH
19_DGMW85	S1457087	140	SVOL	38.27	930	J	UG/KG	UNKNOWN C20H12 PAH
19_DGMW85	S1457087	140	SVOL	38.79	1800	J	UG/KG	UNKNOWN C20H12 PAH
19_DGMW85	S1457087	140	SVOL	43.50	940	J	UG/KG	UNKNOWN C22H14 PAH
19_DGMW85	S1457087	140	SVOL	38.46	900	J	UG/KG	UNKNOWN HYDROCARBON
19_DGMW85	S1457087	140	SVOL	40.59	920	J	UG/KG	UNKNOWN HYDROCARBON
19_DGMW85	S1457087	140	SVOL	34.08		J	UG/KG	UNKNOWN PAH
Site 20								
20_DBMW55	S1456340	50	SVOL	34.54	250	J	UG/KG	UNKNOWN HYDROCARBON
20_DBMW55	S1456340	50	SVOL	35.53	260	J	UG/KG	UNKNOWN HYDROCARBON
20_DBMW55	S1456340	50	SVOL	36.50	260	J	UG/KG	UNKNOWN HYDROCARBON
Site 22								
22_DBMW47	S1456185	5	SVOL	29.01	420	J	UG/KG	UNKNOWN
22_DBMW47	S1456185	5	SVOL	24.94	320	J	UG/KG	UNKNOWN HYDROCARBON
22_DBMW47	S1456185	5	SVOL	27.64	230	J	UG/KG	UNKNOWN HYDROCARBON
22_DBMW47	S1456185	5	SVOL	30.18	270	J	UG/KG	UNKNOWN HYDROCARBON

(a) A definition of each data validation flag (DVF) is provided in Table C-1.

Table C2-1d

Summaries of Tentatively Identified Compounds (TICs) in RI Samples

Groundwater Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
Background								
00_BGMW19X	S1452171	0	VOL	11.60	26	J	UG/L	CYCLOHEXANE,METHYL-
00_BGMW19X	S1452171	0	VOL	10.15	4	J	UG/L	UNKNOWN
00_BGMW19X	S1452171	0	VOL	15.40	3	J	UG/L	UNKNOWN
00_BGMW19X	S1452171	0	VOL	22.94	12	J	UG/L	UNKNOWN
00_BGMW19X	S1452171	0	VOL	24.90	4	J	UG/L	UNKNOWN
00_BGMW19X	S1452171	0	VOL	5.29	3	J	UG/L	UNKNOWN
00_BGMW19X	S1452171	0	VOL	7.68	5	J	UG/L	UNKNOWN
00_BGMW19X	S1452171	0	VOL	9.11	8	J	UG/L	UNKNOWN
00_DIWATER	S1452468	0	VOL	20.62	2	JN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
00_DIWATER	S1452468	0	VOL	25.04	1	J	UG/L	UNKNOWN SILOXANE
00_HY-S02	S1452506	0	SVOL	10.11	6	J	UG/L	UNKNOWN
00_HY-S02	S1452506	0	SVOL	10.35	10	J	UG/L	UNKNOWN
00_HY-S02	S1452506	0	SVOL	6.44	7	J	UG/L	UNKNOWN
00_HY-S02	S1452506	0	SVOL	7.75	18	J	UG/L	UNKNOWN
00_HY-S02	S1452506	0	SVOL	7.96	43	J	UG/L	UNKNOWN
00_HY-S02	S1452506	0	SVOL	8.12	68	J	UG/L	UNKNOWN
00_HY-S02	S1452506	0	SVOL	8.41	65	J	UG/L	UNKNOWN
00_HY-S02	S1452506	0	SVOL	8.63	12	J	UG/L	UNKNOWN
00_HY-S03	S1452031	0	SVOL	1.86	5	JN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
00_HY-S03	S1452031	0	SVOL	1.11	31	J	UG/L	UNKNOWN
00_HY-S03	S1452031	0	SVOL	1.43	6	J	UG/L	UNKNOWN
00_HY-S03	S1452031	0	SVOL	1.49	110	J	UG/L	UNKNOWN
00_HY-S03	S1452031	0	SVOL	2.49	5	J	UG/L	UNKNOWN
00_HY-S03	S1452031	0	SVOL	31.28	15	J	UG/L	UNKNOWN
00_HY-S03	S1452213	0	SVOL	2.25	7	J	UG/L	UNKNOWN
00_HY-S03	S1452213	0	SVOL	5.57	6	J	UG/L	UNKNOWN
00_HY-S03	S1452213	0	SVOL	5.86	6	J	UG/L	UNKNOWN
00_HY-S03	S1452213	0	SVOL	6.12	13	J	UG/L	UNKNOWN
00_HY-S03	S1452215	0	SVOL	2.24	7	J	UG/L	UNKNOWN
00_HY-S03	S1452215	0	SVOL	5.74	4	J	UG/L	UNKNOWN
00_HY-S03	S1452215	0	SVOL	5.86	4	J	UG/L	UNKNOWN
00_HY-S03	S1452215	0	SVOL	6.12	9	J	UG/L	UNKNOWN
00_HY-S03	S1452376	0	SVOL	184	8	J	UG/L	UNKNOWN
00_HY-S03	S1452376	0	SVOL	190	10	J	UG/L	UNKNOWN
00_HY-S03	S1452376	0	SVOL	202	19	J	UG/L	UNKNOWN
00_HY-S03	S1452376	0	SVOL	72	11	J	UG/L	UNKNOWN
00_HY-S03	S1452376	0	SVOL	80	15	J	UG/L	UNKNOWN
00_HY-S03	S1452376	0	SVOL	95	20	J	UG/L	UNKNOWN
00_HY-S03	S1452388	0	SVOL	10.00	10	J	UG/L	UNKNOWN
00_HY-S03	S1452388	0	SVOL	10.24	15	J	UG/L	UNKNOWN
00_HY-S03	S1452388	0	SVOL	9.90	8	J	UG/L	UNKNOWN
00_HY-S03	S1452031	0	SVOL	6.73	6	J	UG/L	UNKNOWN SILOXANE
00_HY-S03	S1452376	0	VOL	20.67	1	JN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
00_HY-S03	S1452376	0	VOL	25.09	1	J	UG/L	UNKNOWN SILOXANE
00_HY-S03	S1452388	0	VOL	25.31	3	J	UG/L	UNKNOWN SILOXANE ISOMER
00_HY-S05	S1452214	0	SVOL	2.25	7	J	UG/L	UNKNOWN
00_HY-S05	S1452214	0	VOL	486	2	J	UG/L	UNKNOWN
00_HY-S05	S1452214	0	VOL	581	1	J	UG/L	UNKNOWN
00_HYD103	S1452476	0	VOL	25.22	4	JB	UG/L	UNKNOWN SILOXANE
00_RIG20	S1452405	0	SVOL	10.00	8	J	UG/L	UNKNOWN
00_RIG20	S1452405	0	SVOL	10.23	13	J	UG/L	UNKNOWN
00_RIG20	S1452405	0	SVOL	12.14	6	J	UG/L	UNKNOWN
00_RIG20	S1452405	0	SVOL	12.39	25	J	UG/L	UNKNOWN
00_RIG20	S1452405	0	SVOL	12.63	19	J	UG/L	UNKNOWN
00_RIG20	S1452405	0	SVOL	13.28	21	J	UG/L	UNKNOWN
00_RIG20	S1452405	0	SVOL	14.32	49	J	UG/L	UNKNOWN
00_RIG20	S1452405	0	SVOL	14.53	36	J	UG/L	UNKNOWN
00_RIG20	S1452405	0	SVOL	8.24	14	J	UG/L	UNKNOWN
00_RIG20	S1452405	0	SVOL	9.91	8	J	UG/L	UNKNOWN
00_RIG20	S1452405	0	SVOL	9.78	17	J	UG/L	UNKNOWN SUBSTITUTED BENZENE
00_RIG20	S1452405	0	VOL	6.09	1	J	UG/L	UNKNOWN
00_RIG20	S1452405	0	VOL	25.21	5	J	UG/L	UNKNOWN SILOXANE
00_RIG7	S1452367	0	VOL	20.56	3	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL

Table C2-1d

Summaries of Tentatively Identified Compounds (TICs) in RI Samples

Groundwater Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
00_RIG7	S1452367	0	VOL	15.13	3	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
00_RIG7	S1452367	0	VOL	22.98	20	J	UG/L	UNKNOWN
00_RIG7	S1452367	0	VOL	24.96	1	J	UG/L	UNKNOWN SILOXANE
00_RIG8	S1452368	0	VOL	20.56	3	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
00_RIG8	S1452368	0	VOL	15.13	4	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
00_RIG9	S1452369	0	SVOL	16.03	54	J	UG/L	UNKNOWN
00_RIG9	S1452369	0	VOL	25.00	2	J	UG/L	UNKNOWN SILOXANE
Site 2								
02_DGMW59	S1452009	69	SVOL	7.87	7	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
02_DGMW59	S1452009	69	SVOL	12.79	5	J	UG/L	UNKNOWN
02_DGMW59	S1452009	69	SVOL	13.02	5	J	UG/L	UNKNOWN
02_DGMW59	S1452009	69	SVOL	8.65	8	J	UG/L	UNKNOWN
02_DGMW60	S1452008	80	SVOL	2.59	6	JBN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
02_DGMW60	S1452008	80	SVOL	3.16	8	J	UG/L	UNKNOWN
02_DGMW61	S1452007	80	SVOL	7.86	4	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
02_DGMW61	S1452007RX	80	SVOL	12.09	59	JN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
02_DGMW61	S1452007RX	80	SVOL	7.49	45	JN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
02_DGMW61	S1452007RX	80	SVOL	15.50	12	J	UG/L	UNKNOWN SILOXANE
02_UGMW25	S1452006	55	VOL	15.40	6	U	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
Site 3								
03_DGMW64	S1452019	245	VOL	2.80	1	JN	UG/L	SILANE, FLUORO TRIMETHYL
03_DGMW65X	S1452020	230	SVOL	12.60	24	J	UG/L	UNKNOWN
03_DGMW65X	S1452020	230	SVOL	12.84	19	J	UG/L	UNKNOWN
03_DGMW65X	S1452020	230	SVOL	21.35	4	J	UG/L	UNKNOWN
03_DGMW65X	S1452020	230	VOL	4.60	7	JN	UG/L	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
Site 4								
04_DBMW40	S1452029	220	SVOL	12.15	6	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	12.41	29	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	12.72	9	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	13.66	10	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	13.83	26	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	14.35	60	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	14.79	52	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	15.21	9	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	15.26	12	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	15.76	8	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	16.19	6	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	16.24	5	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	18.76	12	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	21.84	53	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	4.71	7	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	5.77	19	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	6.81	10	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	8.05	38	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	8.90	7	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	SVOL	16.49	23	J	UG/L	UNKNOWN C8H16
04_DBMW40	S1452029	220	VOL	10.41	33	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	VOL	12.30	6	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	VOL	12.95	32	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	VOL	13.20	45	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	VOL	16.96	3	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	VOL	23.38	24	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	VOL	23.79	11	J	UG/L	UNKNOWN
04_DBMW40	S1452029	220	VOL	5.61	4	J	UG/L	UNKNOWN
04_MW66	S1452387RE	0	SVOL	33.29	4	J	UG/L	UNKNOWN HYDROCARBON
04_MW66	S1452387RE	0	SVOL	35.35	8	J	UG/L	UNKNOWN HYDROCARBON
04_MW66	S1452387RE	0	SVOL	36.32	7	J	UG/L	UNKNOWN HYDROCARBON
04_MW66	S1452387RE	0	SVOL	37.25	14	J	UG/L	UNKNOWN HYDROCARBON
04_MW66	S1452387RE	0	SVOL	38.15	9	J	UG/L	UNKNOWN HYDROCARBON
04_MW66	S1452387RE	0	SVOL	39.11	4	J	UG/L	UNKNOWN HYDROCARBON
04_UGMW63	S1452018	235	SVOL	12.39	7	J	UG/L	UNKNOWN
04_UGMW63	S1452018	235	SVOL	12.65	8	J	UG/L	UNKNOWN
04_UGMW63	S1452018	235	SVOL	12.84	8	J	UG/L	UNKNOWN
04_UGMW63	S1452018	235	SVOL	14.05	10	J	UG/L	UNKNOWN

Table C2-1d

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Groundwater Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
04_UGMW63	S1452018	235	SVOL	14.53	13	J	UG/L	UNKNOWN
04_UGMW63	S1452018	235	SVOL	18.85	17	J	UG/L	UNKNOWN
04_UGMW63	S1452018	235	SVOL	8.24	70	J	UG/L	UNKNOWN
04_UGMW63	S1452018	235	SVOL	32.19	4	J	UG/L	UNKNOWN HYDROCARBON
04_UGMW63	S1452018	235	SVOL	33.28	10	J	UG/L	UNKNOWN HYDROCARBON
04_UGMW63	S1452018	235	SVOL	35.33	10	J	UG/L	UNKNOWN HYDROCARBON
04_UGMW63	S1452018	235	SVOL	36.30	6	J	UG/L	UNKNOWN HYDROCARBON
04_UGMW63	S1452018	235	SVOL	37.23	4	J	UG/L	UNKNOWN HYDROCARBON
04_UGMW63	S1452018	235	VOL	13.01	8	J	UG/L	UNKNOWN
04_UGMW63	S1452018	235	VOL	13.24	14	J	UG/L	UNKNOWN
04_UGMW63	S1452018	235	VOL	2.87	18	J	UG/L	UNKNOWN
04_UGMW63	S1452018	235	VOL	3.51	25	J	UG/L	UNKNOWN
04_UGMW63	S1452018	235	VOL	3.63	21	J	UG/L	UNKNOWN
04_UGMW63	S1452018	235	VOL	8.14	16	J	UG/L	UNKNOWN
04_UGMW63	S1452018	235	VOL	9.69	29	J	UG/L	UNKNOWN
04_UGMW63	S1452018	235	VOL	5.79	37	J	UG/L	UNKNOWN C5H10
Site 5								
05_DGMW67	S1452035	187	SVOL	8.24	4	JBN	UG/L	2-PROPANOL
05_DGMW67	S1452393	187	VOL	15.37	22	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
05_DGMW67	S1452035	187	VOL	15.74	23	JB	UG/L	UNKNOWN
05_DGMW68	S1453032	190	VOL	7.88	1	J	UG/L	UNKNOWN
05_UGMW27	S1452039	198	VOL	25.24	4	JB	UG/L	UNKNOWN SILOXANE
Site 6								
06_DGMW69	S1452091	150	SVOL	17.08	11	J	UG/L	UNKNOWN
06_DGMW69	S1452091	150	VOL	15.57	19	JB	UG/L	UNKNOWN
06_DGMW69	S1452091	150	VOL	25.21	4	JB	UG/L	UNKNOWN
06_UGMW28	S1452045	140	VOL	4.55	15	JN	UG/L	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
Site 7								
07_DBMW100	S1452400	131	VOL	20.95	10	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
07_DBMW100	S1452328	131	VOL	15.49	21	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
07_DBMW100	S1452400	131	VOL	15.48	11	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
07_DBMW100	S1452328	131	VOL	25.35	2	JB	UG/L	UNKNOWN SILOXANE
07_DBMW100	S1452400	131	VOL	25.37	2	JB	UG/L	UNKNOWN SILOXANE
07_DBMW43	S1452046	150	VOL	15.64	19	JB	UG/L	UNKNOWN
07_DBMW43	S1452046	150	VOL	25.24	4	JB	UG/L	UNKNOWN
07_DBMW70	S1452047	125	VOL	20.89	2	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
07_DBMW70	S1452047	125	VOL	15.43	4	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
07_DGMW71	S1452048	115	SVOL	7.86	7	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
Site 8								
08_DGMW73	S1452055	90	VOL	25.24	4	JB	UG/L	UNKNOWN
08_UGMW29	S1452061	95	SVOL	12.41	12	J	UG/L	UNKNOWN
08_UGMW29	S1452061	95	VOL	20.96	11	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
08_UGMW29	S1452061	95	VOL	15.50	11	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
08_UGMW29	S1452061	95	VOL	15.73	2	J	UG/L	UNKNOWN
08_UGMW29	S1452061	95	VOL	25.36	2	JB	UG/L	UNKNOWN SILOXANE
08_UGMW29	S1452061	95	VOL	22.09	1	J	UG/L	UNKNOWN SUBSTITUTED BENZENE
Site 9								
09_DBMW45	S1452065	117	VOL	4.87	70	JN	UG/L	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
09_DBMW45	S1452391	117	VOL	4.82	63	JN	UG/L	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
09_DBMW45	S1452062	117	VOL	4.52	10	J	UG/L	UNKNOWN
09_DGMW75	S1452063	114	SVOL	6.19	5	J	UG/L	UNKNOWN
09_DGMW75	S1452063	114	VOL	25.25	4	JB	UG/L	UNKNOWN
Site 12								
12_DBMW48	S1452074	95	VOL	4.85	240	JN	UG/L	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
12_UGMW31	S1452077	105	VOL	24.99	2	J	UG/L	UNKNOWN SILOXANE
Site 13								
13_DBMW49	S1452078	142	SVOL	1.22	82	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	SVOL	1.80	13	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	SVOL	1.91	140	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	SVOL	10.76	21	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	SVOL	11.16	17	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	SVOL	11.22	24	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	SVOL	11.48	3	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	SVOL	12.54	4	J	UG/L	UNKNOWN

Table C2-1d

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Groundwater Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
13_DBMW49	S1452078	142	SVOL	14.23	9	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	SVOL	15.54	3	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	SVOL	2.53	12	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	SVOL	3.19	65	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	SVOL	7.70	20	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	SVOL	7.98	9	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	SVOL	8.21	9	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	SVOL	9.29	5	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	SVOL	9.57	2	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	SVOL	9.96	39	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	VOL	12.38	16	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	VOL	12.92	9	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	VOL	13.15	20	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	VOL	15.62	66	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	VOL	16.98	17	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	VOL	20.81	7	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	VOL	23.39	8	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	VOL	23.83	7	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	VOL	5.69	16	J	UG/L	UNKNOWN
13_DBMW49	S1452078	142	VOL	19.77	9	J	UG/L	UNKNOWN BENZENE ETHYL METHYL
13_DGMW78	S1452079	127	SVOL	35.34	7	J	UG/L	UNKNOWN HYDROCARBON
13_DGMW78	S1452079	127	SVOL	36.30	6	J	UG/L	UNKNOWN HYDROCARBON
13_DGMW78	S1452079	127	SVOL	37.24	5	J	UG/L	UNKNOWN HYDROCARBON
13_DGMW78	S1452079	127	VOL	10.47	28	J	UG/L	UNKNOWN
13_DGMW78	S1452079	127	VOL	13.00	22	J	UG/L	UNKNOWN
13_DGMW78	S1452079	127	VOL	13.26	31	J	UG/L	UNKNOWN
13_DGMW78	S1452079	127	VOL	15.68	18	J	UG/L	UNKNOWN
13_DGMW78	S1452079	127	VOL	5.77	16	J	UG/L	UNKNOWN
13_DGMW78	S1452079	127	VOL	8.02	15	J	UG/L	UNKNOWN
13_DGMW78	S1452079	127	VOL	9.73	45	J	UG/L	UNKNOWN
13_DGMW78	S1452079	127	VOL	19.83	31	J	UG/L	UNKNOWN BENZENE ETHYL METHYL
13_UGMW32	S1452083	144	SVOL	8.57	91	J	UG/L	BENZENE, 1,2-DIMETHYL-
13_UGMW32	S1452083	144	SVOL	13.57	4	JN	UG/L	BENZENE, 1-ISOCYANO-2-METHYL-(9CI)
13_UGMW32	S1452083	144	SVOL	12.95	4	J	UG/L	UNKNOWN
13_UGMW32	S1452083	144	SVOL	12.99	4	J	UG/L	UNKNOWN
13_UGMW32	S1452083	144	SVOL	13.18	4	J	UG/L	UNKNOWN
13_UGMW32	S1452083	144	SVOL	14.84	27	J	UG/L	UNKNOWN
13_UGMW32	S1452083	144	SVOL	14.93	28	J	UG/L	UNKNOWN
13_UGMW32	S1452083	144	SVOL	19.46	10	J	UG/L	UNKNOWN
13_UGMW32	S1452083	144	SVOL	7.76	17	J	UG/L	UNKNOWN
13_UGMW32	S1452083	144	SVOL	9.37	4	J	UG/L	UNKNOWN
13_UGMW32	S1452083	144	SVOL	10.06	17	J	UG/L	UNKNOWN BENZENE ETHYL METHYL
13_UGMW32	S1452083	144	SVOL	11.20	3	J	UG/L	UNKNOWN C9H12 SUB BENZENE
13_UGMW32	S1452083	144	SVOL	12.52	3	J	UG/L	UNKNOWN C9H12 SUB BENZENE
13_UGMW32	S1452083	144	SVOL	7.69	5	J	UG/L	UNKNOWN HYDROCARBON
13_UGMW32	S1452083RE	144	VOL	7.93	10	JN	UG/L	CYCLOPENTANE, METHYL
13_UGMW32	S1452083	144	VOL	12.72	4	J	UG/L	UNKNOWN
13_UGMW32	S1452083	144	VOL	12.95	190	J	UG/L	UNKNOWN
13_UGMW32	S1452083	144	VOL	23.11	9	J	UG/L	UNKNOWN
13_UGMW32	S1452083	144	VOL	23.55	7	J	UG/L	UNKNOWN
13_UGMW32	S1452083	144	VOL	3.42	35	J	UG/L	UNKNOWN
13_UGMW32	S1452083	144	VOL	5.51	31	J	UG/L	UNKNOWN
13_UGMW32	S1452083	144	VOL	6.04	7	J	UG/L	UNKNOWN
13_UGMW32	S1452083	144	VOL	6.62	8	J	UG/L	UNKNOWN
13_UGMW32	S1452083	144	VOL	7.88	12	J	UG/L	UNKNOWN
13_UGMW32	S1452083RE	144	VOL	11.80	43	J	UG/L	UNKNOWN
13_UGMW32	S1452083RE	144	VOL	12.21	4	J	UG/L	UNKNOWN
13_UGMW32	S1452083RE	144	VOL	12.72	20	J	UG/L	UNKNOWN
13_UGMW32	S1452083RE	144	VOL	12.99	52	J	UG/L	UNKNOWN
13_UGMW32	S1452083RE	144	VOL	19.54	10	J	UG/L	UNKNOWN
13_UGMW32	S1452083RE	144	VOL	3.44	5	J	UG/L	UNKNOWN
13_UGMW32	S1452083RE	144	VOL	5.62	6	J	UG/L	UNKNOWN
13_UGMW32	S1452083RE	144	VOL	6.66	12	J	UG/L	UNKNOWN
13_UGMW32	S1452083RE	144	VOL	9.45	55	J	UG/L	UNKNOWN

Table C2-1d

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Groundwater Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
13_UGMW32	S1452083	144	VOL	19.50	16	J	UG/L	UNKNOWN SUBSTITUTED BENZENE
Site 14								
14_DBMW50	S1452084	120	SVOL	12.57	4	J	UG/L	UNKNOWN
14_DBMW50	S1452084	120	VOL	25.21	3	JB	UG/L	UNKNOWN
14_DGMW79	S1452085	118	SVOL	8.22	17	J	UG/L	UNKNOWN
14_DGMW79	S1452085	118	VOL	15.37	3	U	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
Site 15								
15_DBMW51	S1452088	125	SVOL	10.01	18	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	10.23	9	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	11.77	8	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	11.89	11	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	12.03	16	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	12.14	11	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	12.43	67	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	12.65	15	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	14.40	93	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	15.31	96	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	15.38	25	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	15.80	9	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	16.73	4	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	16.94	4	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	18.83	22	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	6.02	16	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	9.67	9	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	9.77	13	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	SVOL	9.54	25	J	UG/L	UNKNOWN BENZENE ETHYL METHYL
15_DBMW51	S1452088	125	VOL	12.33	6	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	VOL	12.86	6	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	VOL	13.09	9	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	VOL	15.54	11	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	VOL	16.90	5	J	UG/L	UNKNOWN
15_DBMW51	S1452088	125	VOL	19.69	60	J	UG/L	UNKNOWN SUBSTITUTED BENZENE
15_DBMW51	S1452088	125	VOL	21.08	10	J	UG/L	UNKNOWN SUBSTITUTED BENZENE
15_DBMW51	S1452088	125	VOL	21.95	8	J	UG/L	UNKNOWN SUBSTITUTED BENZENE
Site 16								
16_DBMW52	S1452090	182	SVOL	12.52	7	J	UG/L	UNKNOWN
16_DBMW52	S1452090	182	SVOL	12.76	5	J	UG/L	UNKNOWN
16_DBMW52	S1452090	182	SVOL	8.37	10	J	UG/L	UNKNOWN
16_DBMW52	S1452090	182	VOL	4.59	7	JN	UG/L	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
16_DGMW81	S1452040	176	SVOL	7.51	8	JBN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
16_UGMW33	S1452097	180	SVOL	11.10	5	J	UG/L	UNKNOWN
16_UGMW33	S1452097	180	SVOL	2.04	10	J	UG/L	UNKNOWN
16_UGMW33	S1452097	180	SVOL	2.50	80	J	UG/L	UNKNOWN
16_UGMW33	S1452097	180	SVOL	7.08	5	J	UG/L	UNKNOWN
16_UGMW33	S1452097	180	SVOL	8.55	3	J	UG/L	UNKNOWN
16_UGMW33	S1452097	180	SVOL	8.69	3	J	UG/L	UNKNOWN
16_UGMW33	S1452097	180	VOL	2.91	2	JN	UG/L	SILANE, FLUORO TRIMETHYL
16_UGMW33	S1452097	180	VOL	7.82	1	JN	UG/L	SILANOL, TRIMETHYL-
Site 17								
17_DGMW82	S1452099	235	SVOL	7.48	9	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
17_DGMW82	S1452099	235	SVOL	10.12	4	J	UG/L	UNKNOWN
17_DGMW82	S1452099	235	VOL	7.48	9	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
17_DGMW82	S1452099	235	VOL	10.12	4	J	UG/L	UNKNOWN
Site 18								
18_BGMP06	S1452183		VOL	15.24	1	J	UG/L	UNKNOWN
18_BGMP06	S1452191A	0	VOL	24.98	1	J	UG/L	UNKNOWN
18_BGMP06	S1452192	0	VOL	24.94	1	J	UG/L	UNKNOWN
18_BGMP06	S1452193	0	VOL	24.97	1	J	UG/L	UNKNOWN
18_BGMP06	S1452275	105	VOL	24.95	1	J	UG/L	UNKNOWN SILOXANE
18_BGMP06	S1452273	168	SVOL	17	4	J	UG/L	UNKNOWN
18_BGMP06	S1452273	168	SVOL	1882	8	J	UG/L	UNKNOWN
18_BGMP06	S1452273	168	SVOL	198	9	J	UG/L	UNKNOWN
18_BGMP06	S1452273	168	SVOL	2151	4	J	UG/L	UNKNOWN
18_BGMP06	S1452273	168	SVOL	247	16	J	UG/L	UNKNOWN

Table C2-1d

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Groundwater Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
18_BGMP06	S1452273	168	SVOL	291	6	J	UG/L	UNKNOWN
18_BGMP06	S1452273	168	SVOL	308	31	J	UG/L	UNKNOWN
18_BGMP06	S1452273	168	SVOL	391	12	J	UG/L	UNKNOWN
18_BGMP06	S1452273	168	SVOL	442	5	J	UG/L	UNKNOWN
18_BGMP06	S1452273	168	SVOL	528	6	J	UG/L	UNKNOWN
18_BGMP06	S1452273	168	SVOL	550	6	J	UG/L	UNKNOWN
18_BGMP06	S1452273	168	SVOL	666	7	J	UG/L	UNKNOWN
18_BGMP06	S1452273	168	SVOL	1713	6	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP06	S1452273	168	SVOL	1778	14	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP06	S1452273	168	SVOL	1901	23	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP06	S1452273	168	SVOL	1960	20	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP06	S1452273	168	SVOL	2016	20	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP06	S1452273	168	SVOL	2070	14	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP06	S1452273	168	SVOL	2125	8	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP06	S1452271	295	SVOL	248	7	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
18_BGMP06	S1452271	295	SVOL	1566	36	J	UG/L	UNKNOWN
18_BGMP06	S1452271	295	SVOL	1882	24	J	UG/L	UNKNOWN
18_BGMP06	S1452271	295	SVOL	2150	10	J	UG/L	UNKNOWN
18_BGMP06	S1452271	295	SVOL	1900	7	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP06	S1452271	295	SVOL	1959	6	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP06	S1452271	295	SVOL	2015	5	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP06	S1452271	295	VOL	24.99	2	J	UG/L	UNKNOWN SILOXANE
18_BGMP06	S1452269	380	SVOL	248	5	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
18_BGMP06	S1452269	380	SVOL	1566	6	J	UG/L	UNKNOWN
18_BGMP06	S1452269	380	SVOL	291	5	J	UG/L	UNKNOWN
18_BGMP06	S1452269	380	VOL	24.97	1	J	UG/L	UNKNOWN SILOXANE
18_BGMP06	S1452463	445	VOL	20.59	1	U	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_BGMP06	S1452267	445	VOL	24.96	1	J	UG/L	UNKNOWN SILOXANE
18_BGMP06	S1452463	445	VOL	24.99	2	J	UG/L	UNKNOWN SILOXANE
18_BGMP08	S1452285	61	SVOL	29.95	4	J	UG/L	UNKNOWN
18_BGMP08	S1452285	61	SVOL	35.22	5	J	UG/L	UNKNOWN
18_BGMP08	S1452285	61	VOL	24.99	3	J	UG/L	UNKNOWN SILOXANE
18_BGMP08	S1452333	126	SVOL	30.08	11	J	UG/L	UNKNOWN
18_BGMP08	S1452333	126	SVOL	35.35	7	J	UG/L	UNKNOWN
18_BGMP08	S1452333	126	SVOL	33.52	6	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP08	S1452333	126	SVOL	34.56	10	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP08	S1452333	126	SVOL	35.57	11	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP08	S1452333	126	SVOL	36.53	8	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP08	S1452333	126	SVOL	37.47	8	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP08	S1452333	126	SVOL	38.38	5	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP08	S1452281	297	SVOL	7.75	5	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
18_BGMP08	S1452281	297	SVOL	30.10	9	J	UG/L	UNKNOWN
18_BGMP08	S1452281	297	SVOL	35.37	5	J	UG/L	UNKNOWN
18_BGMP08	S1452281	297	SVOL	34.58	5	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP08	S1452281	297	SVOL	35.59	5	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP08	S1452281	297	SVOL	36.55	4	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP08	S1452281	297	VOL	24.91	1	J	UG/L	UNKNOWN SILOXANE
18_BGMP08	S1452279	439	SVOL	7.76	5	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
18_BGMP08	S1452279	439	SVOL	33.53	4	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP08	S1452279	439	SVOL	34.58	5	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP08	S1452279	439	SVOL	35.58	6	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP08	S1452279	439	SVOL	36.55	5	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP08	S1452279	439	SVOL	37.49	4	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP08	S1452279	439	VOL	24.91	1	J	UG/L	UNKNOWN SILOXANE
18_BGMP09	S1452291RE		SVOL	5.76	4	J	UG/L	UNKNOWN
18_BGMP09	S1452291RE		SVOL	7.79	7	J	UG/L	UNKNOWN
18_BGMP09	S1452297	59	SVOL	10.35	15	J	UG/L	UNKNOWN
18_BGMP09	S1452297	59	SVOL	11.58	9	J	UG/L	UNKNOWN
18_BGMP09	S1452297	59	SVOL	17.78	4	J	UG/L	UNKNOWN
18_BGMP09	S1452297	59	SVOL	24.86	11	J	UG/L	UNKNOWN
18_BGMP09	S1452297	59	SVOL	3.64	10	J	UG/L	UNKNOWN
18_BGMP09	S1452297	59	SVOL	7.75	8	J	UG/L	UNKNOWN
18_BGMP09	S1452297	59	SVOL	7.85	4	J	UG/L	UNKNOWN
18_BGMP09	S1452297	59	SVOL	7.96	4	J	UG/L	UNKNOWN

Table C2-1d

Summaries of Tentatively Identified Compounds (TICs) in RI Samples

Groundwater Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
18_BGMP09	S1452297	59	SVOL	8.35	8	J	UG/L	UNKNOWN
18_BGMP09	S1452293	222	VOL	20.67	1	JN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_BGMP09	S1452291	268	SVOL	11.58	17	JN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_BGMP09	S1452291	268	SVOL	6.90	20	JN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
18_BGMP09	S1452291	268	SVOL	6.05	5	J	UG/L	UNKNOWN
18_BGMP09	S1452291	268	SVOL	8.06	6	J	UG/L	UNKNOWN
18_BGMP09	S1452291	268	VOL	20.58	1	JN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_BGMP09	S1452291	268	VOL	15.13	1	JN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
18_BGMP09	S1452289	374	SVOL	11.56	4	J	UG/L	UNKNOWN
18_BGMP09	S1452289	374	SVOL	18.35	4	J	UG/L	UNKNOWN
18_BGMP09	S1452289	374	SVOL	24.86	41	J	UG/L	UNKNOWN
18_BGMP09	S1452289	374	SVOL	29.96	17	J	UG/L	UNKNOWN
18_BGMP09	S1452289	374	SVOL	3.63	5	J	UG/L	UNKNOWN
18_BGMP09	S1452289	374	SVOL	8.33	14	J	UG/L	UNKNOWN
18_BGMP09	S1452289	374	VOL	20.68	1	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_BGMP09	S1452287	453	SVOL	21.25	18	JN	UG/L	BENZENESULFONAMIDE, N-BUTYL
18_BGMP09	S1452287	453	SVOL	18.38	62	J	UG/L	UNKNOWN
18_BGMP09	S1452287	453	SVOL	24.95	140	J	UG/L	UNKNOWN
18_BGMP09	S1452287	453	SVOL	25.92	22	J	UG/L	UNKNOWN
18_BGMP09	S1452287	453	SVOL	30.04	100	J	UG/L	UNKNOWN
18_BGMP09	S1452287	453	SVOL	34.28	40	J	UG/L	UNKNOWN
18_BGMP10	S1452496	218	SVOL	10.08	4	J	UG/L	UNKNOWN
18_BGMP10	S1452496	218	SVOL	10.26	5	J	UG/L	UNKNOWN
18_BGMP10	S1452496	218	SVOL	15.98	4	J	UG/L	UNKNOWN
18_BGMP10	S1452496	218	SVOL	23.19	32	J	UG/L	UNKNOWN
18_BGMP10	S1452496	218	SVOL	30.03	120	J	UG/L	UNKNOWN
18_BGMP10	S1452496	218	SVOL	35.30	120	J	UG/L	UNKNOWN
18_BGMP10	S1452496	218	SVOL	39.93	84	J	UG/L	UNKNOWN
18_BGMP10	S1452496	218	SVOL	33.48	4	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP10	S1452496	218	SVOL	35.54	7	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP10	S1452496	218	SVOL	36.51	7	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP10	S1452496	218	SVOL	37.45	7	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP10	S1452496	218	SVOL	38.38	5	J	UG/L	UNKNOWN HYDROCARBON
18_BGMP10	S1452494	429	SVOL	23.19	22	J	UG/L	UNKNOWN
18_BGMP10	S1452494	429	SVOL	30.01	110	J	UG/L	UNKNOWN
18_BGMP10	S1452494	429	SVOL	31.98	4	J	UG/L	UNKNOWN
18_BGMP10	S1452494	429	SVOL	35.30	110	J	UG/L	UNKNOWN
18_BGMP10	S1452494	429	SVOL	39.92	78	J	UG/L	UNKNOWN
18_BGMP10	S1452492	563	SVOL	10.13	4	J	UG/L	UNKNOWN
18_BGMP10	S1452492	563	SVOL	23.01	32	J	UG/L	UNKNOWN
18_BGMP10	S1452492	563	SVOL	29.81	160	J	UG/L	UNKNOWN
18_BGMP10	S1452492	563	SVOL	35.06	190	J	UG/L	UNKNOWN
18_BGMP10	S1452492	563	SVOL	39.60	130	J	UG/L	UNKNOWN
18_BGMP10	S1452492	563	SVOL	8.23	4	J	UG/L	UNKNOWN
18_BGMP10	S1452488	886	SVOL	29.76	5	J	UG/L	UNKNOWN
18_BGMP10	S1452498	886	SVOL	29.76	5	J	UG/L	UNKNOWN
18_BGMP10	S1452488	886	VOL	21.58	1	J	UG/L	UNKNOWN SUB BENZENE C9H12
18_BGMP10	S1452498	886	VOL	24.95	1	J	UG/L	UNKNOWN SUB BENZENE C9H12
18_BGMP10	S1452299	1001	SVOL	23.26	6	J	UG/L	UNKNOWN
18_BGMP10	S1452299	1001	SVOL	30.03	41	J	UG/L	UNKNOWN
18_BGMP10	S1452299	1001	SVOL	35.31	36	J	UG/L	UNKNOWN
18_BGMP10	S1452299	1001	SVOL	35.53	2	J	UG/L	UNKNOWN
18_BGMP10	S1452299	1001	SVOL	39.92	16	J	UG/L	UNKNOWN
18_BGMP10	S1452299	1001	VOL	5.88	2	J	UG/L	UNKNOWN
18_BGMP10	S1452299	1001	VOL	21.75	1	J	UG/L	UNKNOWN BENZENE ETHYL METHYL
18_BGMW01A	S1452139	466	SVOL	31.00	26	J	UG/L	UNKNOWN
18_BGMW01A	S1452139	466	VOL	19.00	1	J	UG/L	UNKNOWN C9H18
18_BGMW01B	S1452236	396	SVOL	12.80	6	J	UG/L	UNKNOWN
18_BGMW01B	S1452236	396	SVOL	13.03	6	J	UG/L	UNKNOWN
18_BGMW01B	S1452236	396	SVOL	8.67	15	J	UG/L	UNKNOWN
18_BGMW01C	S1452238	330	SVOL	7.87	6	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
18_BGMW01C	S1452238	330	SVOL	30.85	4	J	UG/L	UNKNOWN
18_BGMW01C	S1452238	330	VOL	20.92	12	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_BGMW01C	S1452238	330	VOL	15.46	12	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-

Table C2-1d

Summaries of Tentatively Identified Compounds (TICs) in RI Samples

Groundwater Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
18_BGMW01C	S1452238	330	VOL	25.33	3	J	UG/L	UNKNOWN SILOXANE
18_BGMW01D	S1452240	242	SVOL	2.69	8	J	UG/L	UNKNOWN
18_BGMW01D	S1452179	242	VOL	24.89	2	J	UG/L	UNKNOWN
18_BGMW01D	S1452179	242	VOL	21.15	1	J	UG/L	UNKNOWN BENZENE ETHYL METHYL
18_BGMW01D	S1452179	242	VOL	22.56	3	J	UG/L	UNKNOWN BENZENE ETHYL METHYL
18_BGMW01D	S1452179	242	VOL	20.69	1	J	UG/L	UNKNOWN BENZENE TRIMETHYL
18_BGMW01D	S1452179	242	VOL	24.45	2	J	UG/L	UNKNOWN C10H12
18_BGMW01E	S1452242	205	SVOL	427	600	JN	UG/L	HEXANOIC ACID, 2,4-DIMETHYL
18_BGMW01E	S1452382	205	SVOL	412	190	J	UG/L	HEXANOIC ACID, 2,4-DIMETHYL
18_BGMW01E	S1452242	205	SVOL	102	280	J	UG/L	UNKNOWN
18_BGMW01E	S1452242	205	SVOL	146	32	J	UG/L	UNKNOWN
18_BGMW01E	S1452242	205	SVOL	422	37	J	UG/L	UNKNOWN
18_BGMW01E	S1452242	205	SVOL	478	1300	J	UG/L	UNKNOWN
18_BGMW01E	S1452242	205	SVOL	492	44		UG/L	UNKNOWN
18_BGMW01E	S1452382	205	SVOL	101	200	J	UG/L	UNKNOWN
18_BGMW01E	S1452382	205	SVOL	421	33	J	UG/L	UNKNOWN
18_BGMW01E	S1452382	205	SVOL	483	1300	J	UG/L	UNKNOWN
18_BGMW01E	S1452382	205	SVOL	494	51	J	UG/L	UNKNOWN
18_BGMW01E	S1452242	205	SVOL	179	51	J	UG/L	UNKNOWN BENZENE ETHYL METHYL
18_BGMW01E	S1452382	205	SVOL	179	55	J	UG/L	UNKNOWN BENZENE ETHYL METHYL
18_BGMW01E	S1452242	205	VOL	20.66	1	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_BGMW01E	S1452242	205	VOL	15.20	1	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
18_BGMW01E	S1452242	205	VOL	15.20	1	U	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
18_BGMW01E	S1452382	205	VOL	10.19	170	J	UG/L	UNKNOWN
18_BGMW01E	S1452382	205	VOL	11.94	3	J	UG/L	UNKNOWN
18_BGMW01E	S1452382	205	VOL	12.70	4	J	UG/L	UNKNOWN
18_BGMW01E	S1452382	205	VOL	12.98	220	J	UG/L	UNKNOWN
18_BGMW01E	S1452382	205	VOL	23.09	9	J	UG/L	UNKNOWN
18_BGMW01E	S1452382	205	VOL	23.53	7	J	UG/L	UNKNOWN
18_BGMW01E	S1452382	205	VOL	3.39	30	J	UG/L	UNKNOWN
18_BGMW01E	S1452382	205	VOL	5.51	27	J	UG/L	UNKNOWN
18_BGMW01E	S1452382	205	VOL	9.41	23	J	UG/L	UNKNOWN
18_BGMW01E	S1452382RE	205	VOL	10.09	180	J	UG/L	UNKNOWN
18_BGMW01E	S1452382RE	205	VOL	12.69	4	J	UG/L	UNKNOWN
18_BGMW01E	S1452382RE	205	VOL	12.95	240	J	UG/L	UNKNOWN
18_BGMW01E	S1452382RE	205	VOL	23.08	9	J	UG/L	UNKNOWN
18_BGMW01E	S1452382RE	205	VOL	23.52	7	J	UG/L	UNKNOWN
18_BGMW01E	S1452382RE	205	VOL	3.41	31	J	UG/L	UNKNOWN
18_BGMW01E	S1452382RE	205	VOL	3.78	3	J	UG/L	UNKNOWN
18_BGMW01E	S1452382RE	205	VOL	5.51	28	J	UG/L	UNKNOWN
18_BGMW01E	S1452382RE	205	VOL	6.02	7	J	UG/L	UNKNOWN
18_BGMW01E	S1452382RE	205	VOL	7.74	10	J	UG/L	UNKNOWN HYDROCARBON
18_BGMW01E	S1452242	205	VOL	25.03	1	J	UG/L	UNKNOWN SILOXANE
18_BGMW01E	S1452382	205	VOL	19.47	17	J	UG/L	UNKNOWN SUB BENZENE
18_BGMW01E	S1452382RE	205	VOL	19.47	18	J	UG/L	UNKNOWN SUBSTITUTED BENZENE
18_BGMW02A	S1452244	462	SVOL	30.20	16	J	UG/L	UNKNOWN
18_BGMW02A	S1452244	462	SVOL	35.46	20	J	UG/L	UNKNOWN
18_BGMW02A	S1452244	462	SVOL	37.80	19	J	UG/L	UNKNOWN
18_BGMW02A	S1452244	462	SVOL	40.13	5	J	UG/L	UNKNOWN
18_BGMW02A	S1452244	462	VOL	2.94	1	JN	UG/L	SILANE, FLUORO TRIMETHYL
18_BGMW02A	S1452244	462	VOL	7.87	1	JN	UG/L	SILANOL, TRIMETHYL-
18_BGMW02C	S1452246RX	358	SVOL	12.60	9	J	UG/L	UNKNOWN
18_BGMW02C	S1452246RX	358	SVOL	12.83	7	J	UG/L	UNKNOWN
18_BGMW02D	S1452248	294	SVOL	26.01	110	JN	UG/L	ETHANOL, 2-CHLORO-,PHOSPHATE (3:1)
18_BGMW02D	S1452248	294	SVOL	12.76	5	J	UG/L	UNKNOWN
18_BGMW02D	S1452248	294	SVOL	12.99	4	J	UG/L	UNKNOWN
18_BGMW02D	S1452248	294	SVOL	37.79	20	J	UG/L	UNKNOWN
18_BGMW02D	S1452248	294	SVOL	8.62	10	J	UG/L	UNKNOWN
18_BGMW02D	S1452248	294	SVOL	30.86	98	J	UG/L	UNKNOWN PROPENOL ACID ESTER
18_BGMW02E	S1452225	193	VOL	3.64	3	JN	UG/L	TRICHLOROFLUOROMETHANE
18_BGMW03A	S1452251	370	SVOL	50.00	7	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
18_BGMW03B	S1452253	280	SVOL	7.75	4	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
18_BGMW03C	S1452255	222	SVOL	2.04	7	J	UG/L	UNKNOWN
18_BGMW03C	S1452255	222	VOL	7.81	1	JN	UG/L	SILANOL, TRIMETHYL-

Table C2-1d

Summaries of Tentatively Identified Compounds (TICs) in RI Samples

Groundwater Samples

MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
18_BGMW03E	S1452257	124	SVOL	2.02	5	J	UG/L	UNKNOWN
18_BGMW03E	S1452257	124	VOL	4.59	10	JN	UG/L	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHAN
18_BGMW04A	S1452231	286	VOL	24.95	1	J	UG/L	UNKNOWN SILOXANE
18_BGMW04B	S1452235	190	VOL	24.98	1	J	UG/L	UNKNOWN SILOXANE
18_BGMW05A	S1452259	462	SVOL	7.87	11	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
18_BGMW05A	S1452155	462	VOL	20.48	2	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_BGMW05A	S1452155	462	VOL	15.00	2	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
18_BGMW05B	S1452261	321	VOL	20.79	2	JN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_BGMW05C	S1452465	225	SVOL	2.89	4	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
18_BGMW05D	S1452265	83	VOL	3.95	2	JN	UG/L	ETHANE,1,2-DICHLORO-1,1,2-TRIF
18_BGMW05D	S1452265	83	VOL	25.12	1	J	UG/L	UNKNOWN
18_BGMW101	S1452330	90	VOL	15.59	5	J	UG/L	UNKNOWN
18_BGMW101	S1452330	90	VOL	3.83	3	J	UG/L	UNKNOWN
18_BGMW12	S1452301	165	SVOL	12.43	5	J	UG/L	UNKNOWN
18_BGMW12	S1452301	165	SVOL	12.83	30	J	UG/L	UNKNOWN
18_BGMW14	S1452303	75	VOL	20.54	1	JN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_BGMW14	S1452303	75	VOL	24.93	1	J	UG/L	UNKNOWN SILOXANE
18_BGMW15	S1452305	175	SVOL	50.00	5	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
18_BGMW16	S1452378	223	VOL	20.56	1	JN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_BGMW16	S1452378	223	VOL	15.15	1	JN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
18_BGMW17	S1452309	215	VOL	20.56	1	JN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_BGMW18	S1452311	140	VOL	20.10	1	J	UG/L	UNKNOWN DICHLROPROPENE
18_BGMW19A	S1452313	448	SVOL	24.87	4	J	UG/L	UNKNOWN
18_BGMW19C	S1452226	257	VOL	20.68	3	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_BGMW19C	S1452227	257	VOL	20.71	2	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_BGMW19C	S1452226	257	VOL	15.20	1	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
18_BGMW19C	S1452226	257	VOL	5.84	1	J	UG/L	UNKNOWN
18_BGMW19C	S1452227	257	VOL	15.23	1	J	UG/L	UNKNOWN
18_BGMW19C	S1452227	257	VOL	5.84	1	J	UG/L	UNKNOWN
18_BGMW19C	S1452226	257	VOL	25.12	3	J	UG/L	UNKNOWN SILANE ISOMER
18_BGMW19C	S1452227	257	VOL	25.15	2	J	UG/L	UNKNOWN SILANE ISOMER
18_DW135	S1452477	115	SVOL	7.20	5	J	UG/L	UNKNOWN
18_DW135	S1452478	115	SVOL	7.40	6	J	UG/L	UNKNOWN
18_DW250	S1452479	215	SVOL	12.75	9	J	UG/L	UNKNOWN
18_DW250	S1452479	215	VOL	19.72	2	J	UG/L	UNKNOWN BENZENE ETHYL METHYL
18_DW350	S1452480	310	VOL	19.44	2	J	UG/L	UNKNOWN BENZENE ETHYL METHYL
18_DW350	S1452480	310	VOL	25.05	6	JB	UG/L	UNKNOWN SILOXANE
18_DW450	S1452481	420	SVOL	12.58	8	J	UG/L	UNKNOWN
18_DW450	S1452481	420	VOL	19.43	1	J	UG/L	UNKNOWN BENZENE ETHYL METHYL
18_DW540	S1452482	490	SVOL	31.15	11	J	UG/L	UNKNOWN
18_DW540	S1452482	490	VOL	19.36	1	J	UG/L	UNKNOWN BENZENE ETHYL METHYL
18_MW03C	S1452162	0	VOL	24.89	2	J	UG/L	UNKNOWN
18_MW19C	S1452201	0	VOL	14.96	1	U	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
18_PS2	S1452337	103	SVOL	7.86	13	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
18_PS5	S1452343	106	VOL	20.90	12	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_PS5	S1452343	106	VOL	15.47	12	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
18_PS5	S1452343	106	VOL	25.33	2	J	UG/L	UNKNOWN SILOXANE
18_PS6	S1452345	130	SVOL	7.88	6	JN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
18_PS6	S1452390RE	130	SVOL	12.11	20	JN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_PS6	S1452390RE	130	SVOL	7.50	20	JN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
18_PS6	S1452390	130	SVOL	5.33	5	J	UG/L	UNKNOWN
18_PS6	S1452390	130	SVOL	6.67	57	J	UG/L	UNKNOWN
18_PS6	S1452390RE	130	SVOL	5.35	8	J	UG/L	UNKNOWN
18_PS6	S1452390RE	130	SVOL	6.66	63	J	UG/L	UNKNOWN
18_PS6	S1452390RE	130	SVOL	15.53	6	J	UG/L	UNKNOWN SILOXANE
18_PS7	S1452347	106	SVOL	25.66	50	JN	UG/L	PROMETON
18_PS7	S1452347	106	VOL	20.93	11	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
18_PS7	S1452347	106	VOL	15.47	21	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
18_PS7	S1452347	106	VOL	2.96	1	JN	UG/L	SILANE, FLUORO TRIMETHYL
18_PS7	S1452347	106	VOL	7.89	2	JN	UG/L	SILANOL, TRIMETHYL-
18_PS7	S1452347	106	VOL	25.36	2	J	UG/L	UNKNOWN SILOXANE
18_PS8	S1452349	125	VOL	4.96	5	J	UG/L	UNKNOWN
18_RW1	S1452351	430	SVOL	22.80	13	JN	UG/L	MOLECULAR SULFUR
18_RW1	S1452389	430	SVOL	22.80	16	JN	UG/L	MOLECULAR SULFUR

Table C2-1d

Summaries of Tentatively Identified Compounds (TICs) in RI Samples
Groundwater Samples
MCAS El Toro Phase I RI Technical Memorandum

Station ID	Sample Number	Sample Depth	Analyte	Retention Time (min)	Observed Value	DVF(a)	Units	Chemical Name
18_RW2	S1452353	270	SVOL	2.11	9	JB	UG/L	UNKNOWN
Site 19								
19_DGMW85	S1452115	143	SVOL	7.82	4	JBN	UG/L	2-PENTANONE,4-HYDROXY-4-METHYL
19_DGMW85	S1452399	143	SVOL	12.80	8	J	UG/L	UNKNOWN
19_DGMW85	S1452399	143	SVOL	13.02	7	J	UG/L	UNKNOWN
19_DGMW85	S1452115	143	VOL	20.95	11	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
19_DGMW85	S1452399	143	VOL	20.45	11	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
19_DGMW85	S1452115	143	VOL	15.49	15	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
19_DGMW85	S1452399	143	VOL	15.51	17	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
19_DGMW85	S1452115	143	VOL	25.37	2	J	UG/L	UNKNOWN SILOXANE
19_DGMW85	S1452399	143	VOL	25.37	2	J	UG/L	UNKNOWN SILOXANE
19_DGMW86	S1452112	158	SVOL	1.49	80	J	UG/L	UNKNOWN
19_DGMW86	S1452112RE	158	SVOL	1.49	17	J	UG/L	UNKNOWN
19_DGMW86	S1452112	158	VOL	2.91	2	JN	UG/L	SILANE, FLUORO TRIMETHYL
19_DGMW86	S1452112	158	VOL	7.79	3	JN	UG/L	SILANOL, TRIMETHYL-
19_UGMW35	S1452134	148	VOL	20.76	11	J	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
19_UGMW35	S1452134	148	VOL	20.95	10	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
19_UGMW35	S1452134	148	VOL	15.49	11	JBN	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
19_UGMW35	S1452134	148	VOL	15.50	11	J	UG/L	CYCLOTRISILOXANE,HEXAMETHYL-
19_UGMW35	S1452134	148	VOL	15.73	2	J	UG/L	UNKNOWN
19_UGMW35	S1452134	148	VOL	25.36	2	J	UG/L	UNKNOWN SILOXANE
19_UGMW35	S1452134	148	VOL	25.36	2	JB	UG/L	UNKNOWN SILOXANE
Site 20								
20_DBMW55	S1452118	187	VOL	25.23	2	JB	UG/L	UNKNOWN SILOXANE
20_DGMW88	S1452119	185	SVOL	12.52	5	J	UG/L	UNKNOWN
20_DGMW88	S1452119	185	SVOL	8.37	4	J	UG/L	UNKNOWN
20_DGMW88	S1452119	185	VOL	20.71	2	JN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
20_UGMW36	S1452125	183	VOL	20.77	1	JBN	UG/L	CYCLOTETRASILOXANE OCTAMETHYL
Site 21								
21_DGMW90	S1452457	95	SVOL	2.03	5	J	UG/L	UNKNOWN

(a) A definition of each data validation flag (DVF) is provided in Table C-1.

Appendix D

BAR CONCENTRATION PLOTS FOR DETECTED CHEMICALS

D1: RI Wells by (Medium)
D2: OCWD Wells

Appendix D1

Bar Concentration Plots for Detected Chemicals in RI Wells (by Medium)

Appendix D
BAR CONCENTRATION PLOTS

D1.1 Introduction

Phase I RI chemical and hydrogeologic data provide a basis to evaluate the presence and extent of the site-specific contaminants. Most of the site and regional hydrologic and chemical information has been summarized and discussed in the main report and supporting documents. This appendix presents chemical concentration plots and regional water level hydrographs that can be used for a quick reference.

The following is appendix related key background information:

- Summary tables of each monitored chemical, total number of observations, number of observations above laboratory analysis detection limits and maximum and minimum range of chemicals, are included. All chemicals which have at least one observation above the detection limit (highlighted in bold letters on the chemical data summary tables) in the data base, are plotted. Those chemicals which do not have a single observation above the detection limit (shown in regular print in the chemical data summary tables) are not processed further. Summary tables appropriately identify these nondetected analytes that are not found above a given detection limit of laboratory analysis.

- Only one round of samples collected from monitoring stations installed in Phase 1. Therefore, the concentration distribution of each chemical is plotted with Station IDs on the x-axis and logarithmic concentration distribution on the y-axis. Sampling dates associated with each sampling event are not included in each plot. Most of the data were collected during September 92 - February 93.

- Each chemical concentration observation is plotted to display laboratory analysis flags. For example, blank bar represents nondetected observations (detection limit), solid bar represents detected concentrations, and hatched bar represents estimated values with a laboratory qualifying flag.

- Consistent with the main report, the MCAS El Toro site chemical data is presented separately for groundwater, surface runoff, soil boring, surface soil, and sediments.

- For each group of data, the chemical plots are sub-grouped into general chemistry, metals, volatile organic compounds, semivolatile compounds, pesticides and PCBs, dioxins and furans, herbicides, total fuel hydrocarbons (diesel and gasoline) and total recoverable petroleum hydrocarbons (TRPH).

- Historical regional information is plotted separately for each monitoring station.

- Figures highlighting the general contents of each representative plot are included in this appendix.

Chemical concentration plots of surface runoff, surface soils and sediments, soil boring and groundwater are included in Section D1.2, D1.3, D1.4, and D1.5 respectively. Each of these sections includes a summary table listing, the monitored chemicals, and its minimum and maximum range of observations. Plots of all chemicals which have **at least one observation above the detection limit in any four groups** (e.g. groundwater, surface runoff, soil boring, and surface soils) are included in each section. Those chemicals which are selected for plotting are highlighted in the chemical data summaries. The chemical data summaries provide a list of all chemicals, and the chemical bar plots identify the monitoring stations which have observations above the detection limits.

Section D2.1 includes concentration bar plots of Orange County Water District (OCWD) historical data. This section also includes summary tables and plots of key chemicals. Section D2.2 includes hydrographs of OCWD water level data.

D1.2 MCAS El Toro Phase I Surface Runoff Chemical Data Plots

Table D1-1 lists the chemicals which were analyzed from surface runoff samples. Chemical plots included in this section are highlighted in Table D1-1. Following are some of the key characteristics of the chemical data plots:

- Chemical concentrations are plotted using a logarithmic scale to effectively display high and low concentrations.

- The laboratory analysis qualifiers are represented using the following logic:

  - Chemical concentrations below laboratory detection limits are plotted as blank bars
  - Chemical concentrations above detection limits of laboratory analysis are plotted as filled black bars
  - Chemical analyses with qualifying flags, are represented by hatch lines

Each plot includes a legend defining the above.

- Most of the surface runoff data has been collected during the latter part of 1992 and therefore chemical concentration plots do not include the date of sampling.
- Monitoring station identification numbers are in the x-axis. To include all data in a concise plot, monitoring station numbers are shown in a staggered format.

Figure D1-1 is an illustrative plot with highlighted key characteristics of the chemical concentration plots.

Surface runoff chemical concentration plots in this section, are in the same sequence as the highlighted list of chemicals in Table D1-1.

D1.3 MCAS El Toro Phase I Surface Soil and Sediment Chemical Data Plots

Table D1-2 lists the chemicals which were analyzed from surface soil and sediment samples. Chemical plots included in this section are highlighted in Table D1-2. Key characteristics of these plots are listed in Section D1.2 Figure D1-1 describes additional details of the information plotted in each concentration plot. Following characteristics are listed again for completeness.

- Chemical concentrations are plotted using a logarithmic scale to effectively display high and low concentrations.
- The laboratory analysis qualifiers are represented using the following logic:
  - Chemical concentrations below laboratory detection limits are plotted as blank bars
  - Chemical concentrations above detection limits of laboratory analysis are plotted as filled black bars
  - Chemical analysis with qualifying flags, are represented by hatch lines

Each plot includes a legend defining the above.

- Most of the surface soil and sediment data has been collected during the latter part of 1992.

- Monitoring station identification numbers are in the x-axis. To include all data in a concise plot, monitoring station numbers are shown in a staggered format.

Surface soil and sediment chemical concentration plots in this section, are in the same sequence as the highlighted list of chemicals in Table D1-2.

D1.4 MCAS El Toro Phase I Soil Boring Chemical Data Plots

Table D1-3 lists the chemicals which were analyzed using soil boring samples. Chemical plots included in this section are highlighted in Table D1-3. Key characteristics of these plots are listed in Section D1.2 Figure D1-1 describes additional details of the information plotted in each concentration plot. Following Characteristics are listed again for completeness.

- Chemical concentrations are plotted using a logarithmic scale to effectively display high and low concentrations.
- The laboratory analysis qualifiers are represented using the following logic:
  - Chemical concentrations below laboratory detection limits are plotted as blank bars
  - Chemicals concentrations above detection limits of laboratory analysis are plotted as filled black bars
  - Chemical analysis which have been flagged with qualifying flags, are represented by hatch lines

Each plot includes a legend defining the above.

- Most of the surface soil and sediment data has been collected during the latter part of 1992.

  -Monitoring station identification numbers are in the x-axis. To include all data in a concise plot, monitoring station numbers are shown in a staggered format.

Soil boring chemical concentration plots in this section are in the same sequence as the highlighted list of chemicals in Table D1-3.

D1.5 MCAS El Toro Phase I Groundwater Quality Data Plots

Table D1-4 includes a list of chemicals analyzed from groundwater samples collected during El Toro Phase I investigations. This table includes information on the total number of data points and number of analyses which were above the detection limits of the laboratory analyses.

Figure D-2, included in this section, is an illustrative groundwater quality plot. Following are some of the important details of the concentration plots.

- Chemical concentrations are plotted using a logarithmic scale to effectively display high and low concentrations.
- The laboratory analysis qualifiers are represented using the following logic:
  - Chemical concentrations below laboratory detection limits are plotted as blank bars
  - Chemical concentrations above detection limits of laboratory analysis are plotted as filled black bars
  - Chemical analysis with qualifying flags, are represented by hatch lines

Each plot includes a legend defining the above.

- Monitoring station identification numbers are in the x-axis.

Groundwater chemical concentration plots in this section are in the same sequence as the highlighted list of chemicals in Table D1-4.

blank page

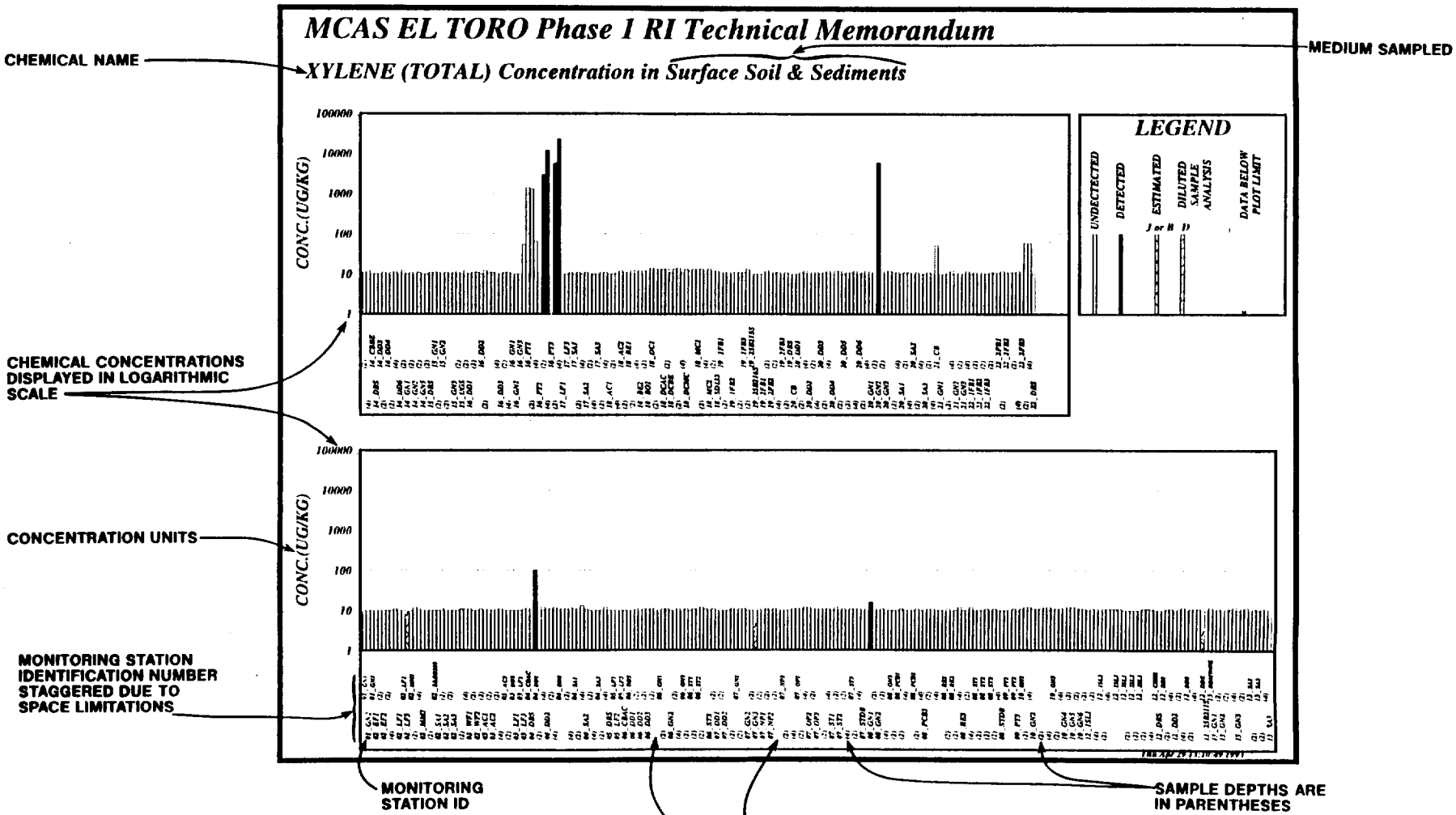


FIGURE D-1
AN ILLUSTRATIVE PLOT OF CHEMICAL CONCENTRATION OF SURFACE SOIL & SEDIMENTS
MCAS EL TORO PHASE I RI
TECHNICAL MEMORANDUM

SCO31991.RV.40

blank page

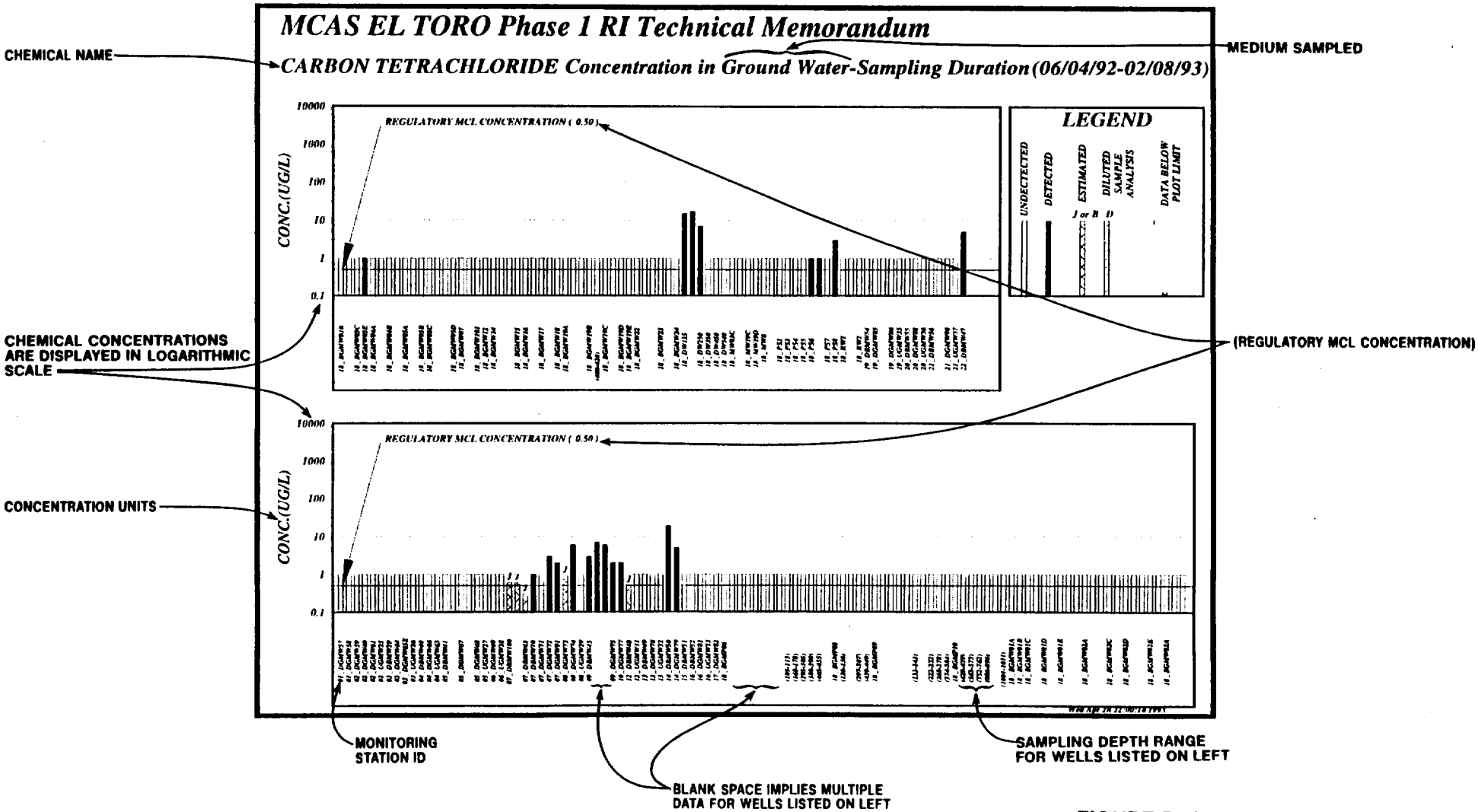


FIGURE D-2
AN ILLUSTRATIVE PLOT OF CHEMICAL CONCENTRATION IN GROUNDWATER
MCAS EL TORO PHASE I RI TECHNICAL MEMORANDUM

SCO31961 RV.40

D-19

blank page

TABLE D1-1

MCAS El Toro Phase I RI Technical Memorandum

CHEMICALS SELECTED (BOLD LETTERS) FOR SURFACE RUNOFF PLOTS

CHEMICAL NAME	UNITS	TOTAL NUMBER OF DATA POINTS	DATA ABOVE DETECTION LIMIT	CONCENTRATION MINIMUM	FLAG	MAXIMUM	FLAG	DETECT -ION LIMIT
GENERAL CHEMISTRY								
ALKALINITY AS CACO3	MG/L	34	34	1		108		0
BICARBONATE	MG/L	34	34	1		132		0
CARBONATE	MG/L	34	34	0		0		0
CHLORIDE	MG/L	34	34	0.01		70.2		0
CYANIDE	UG/L	20	1	3	U	3.1	B	3
NITRATE/NITRITE-N	MG/L	20	20	0.73		6.34		0.05
SULFATE	MG/L	34	34	0.02		207		0
TOTAL DISSOLVED SOLIDS	MG/L	34	34	3		682		0
METALS								
ALUMINUM	UG/L	31	20	12.5	U	876		12.5
ANTIMONY	UG/L	31	0	10.7	U	15.2	U	15.2
ARSENIC	UG/L	31	17	1	U	8.3	b	0.6
BARIUM	UG/L	31	30	16.1	U	174	b	0.2
BERYLLIUM	UG/L	31	0	0.22	U	0.83	U	0.4
CADMIUM	UG/L	31	5	1.6	U	4	b	1.6
CALCIUM	UG/L	31	29	165	U	71300		10
CHROMIUM	UG/L	31	1	2.9	U	6	b	3.2
COBALT	UG/L	31	0	3.3	U	5.1	U	5.1
COPPER	UG/L	31	21	0.9	U	590		0.9
IRON	UG/L	31	21	18.8	U	723		2.6
LEAD	UG/L	31	10	0.7	U	6.7		0.7
MAGNESIUM	UG/L	31	30	16.9	U	25000		16.8
MANGANESE	UG/L	31	29	0.9	U	232		0.9
MERCURY	UG/L	31	1	0.07	U	0.93		0.1
NICKEL	UG/L	31	12	5.3	U	21.7	b	9.3
POTASSIUM	UG/L	31	29	250	U	21200		250
SELENIUM	UG/L	31	1	0.5	U	2.3	b	0.5
SILVER	UG/L	31	0	1.1	U	2	U	1.1
SODIUM	UG/L	31	30	503	b	725100		10
THALLIUM	UG/L	31	1	0.9	U	1.8	b	0.9
VANADIUM	UG/L	31	25	1.2	U	13.4	b	1.2
ZINC	UG/L	31	29	5.2	U	248		9.6

TABLE D1-1

MCAS El Toro Phase I RI Technical Memorandum

CHEMICALS SELECTED (BOLD LETTERS) FOR SURFACE RUNOFF PLOTS

CHEMICAL NAME	UNITS	TOTAL NUMBER OF DATA POINTS	DATA ABOVE DETECTION LIMIT	CONCENTRATION MINIMUM	FLAG	MAXIMUM	FLAG	DETECT-ION LIMIT
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	UG/L	46	0	1	U	10	U	10
1,1,2,2-TETRACHLOROETHANE	UG/L	46	0	1	U	10	U	10
1,1,2-TRICHLOROETHANE	UG/L	46	0	1	U	10	U	10
1,1-DICHLOROETHANE	UG/L	46	0	1	U	10	U	10
1,1-DICHLOROETHENE	UG/L	46	0	1	U	10	U	10
1,2-DICHLOROETHANE	UG/L	46	0	1	U	10	U	10
1,2-DICHLOROETHENE (TOTAL)	UG/L	46	0	1	U	10	U	10
1,2-DICHLOROPROPANE	UG/L	46	0	1	U	10	U	10
2-BUTANONE	UG/L	46	2	2		13		10
2-HEXANONE	UG/L	46	0	2	U	20	U	10
4-METHYL-2-PENTANONE	UG/L	46	0	2	U	20	U	10
ACETONE	UG/L	46	8	2	U	39	B	10
BENZENE	UG/L	46	0	1	U	10	U	10
BROMODICHLOROMETHANE	UG/L	46	0	1	U	10	U	10
BROMOFORM	UG/L	46	0	1	U	10	U	10
BROMOMETHANE (METHYL BROMIDE)	UG/L	46	0	2	U	20	U	10
CARBON DISULFIDE	UG/L	46	1	1		1		10
CARBON TETRACHLORIDE	UG/L	46	1	1	U	1		10
CHLOROBENZENE	UG/L	46	0	1	U	10	U	10
CHLORODIBROMOMETHANE	UG/L	46	1	0.5	J	0.5	J	10
CHLOROETHANE	UG/L	46	0	2	U	20	U	10
CHLOROFORM	UG/L	46	3	1	U	46		10
CHLOROMETHANE (METHYL CHLORIDE)	UG/L	46	12	0.6	J	4		10
CIS-1,3-DICHLOROPROPENE	UG/L	46	0	1	U	10	U	10
ETHYLBENZENE	UG/L	46	0	1	U	10	U	10
METHYLENE CHLORIDE	UG/L	46	0	1	U	10	U	10
STYRENE	UG/L	46	0	1	U	10	U	10
TETRACHLOROETHENE	UG/L	46	0	1	U	10	U	10
TOLUENE	UG/L	46	1	0.7	J	0.7	J	10
TRANS-1,3-DICHLOROPROPENE	UG/L	46	0	1	U	10	U	10
TRICHLOROETHYLENE	UG/L	46	0	1	U	10	U	10
VINYL ACETATE	UG/L	21	0	2	U	20	U	2
VINYL CHLORIDE	UG/L	46	0	2	U	20	U	10
XYLENE (TOTAL)	UG/L	46	0	1	U	10	U	10
SEMIVOLATILE ORGANIC COMPOUNDS								
1,2,4-TRICHLOROBENZENE	UG/L	47	0	10	U	10	U	10
1,2-DICHLOROBENZENE	UG/L	47	0	10	U	10	U	10
1,3-DICHLOROBENZENE	UG/L	47	0	10	U	10	U	10
1,4-DICHLOROBENZENE	UG/L	47	0	10	U	10	U	10
2,4,5-TRICHLOROPHENOL	UG/L	47	0	25	U	25	U	25
2,4,6-TRICHLOROPHENOL	UG/L	47	0	10	U	10	U	10
2,4-DICHLOROPHENOL	UG/L	47	0	10	U	10	U	10
2,4-DIMETHYLPHENOL	UG/L	47	0	10	U	10	U	10
2,4-DINITROPHENOL	UG/L	47	0	25	U	25	U	25
2,4-DINITROTOLUENE	UG/L	47	0	10	U	10	U	10
2,6-DINITROTOLUENE	UG/L	47	0	10	U	10	U	10
2-CHLORONAPHTHALENE	UG/L	47	0	10	U	10	U	10

TABLE D1-1

MCAS El Toro Phase I RI Technical Memorandum

CHEMICALS SELECTED (BOLD LETTERS) FOR SURFACE RUNOFF PLOTS

CHEMICAL NAME	UNITS	TOTAL NUMBER OF DATA POINTS	DATA ABOVE DETECTION LIMIT	CONCENTRATION MINIMUM	FLAG	MAXIMUM	FLAG	DETECT -ION LIMIT
SEMIVOLATILE ORGANIC COMPOUNDS								
2-CHLOROPHENOL	UG/L	47	0	10	U	10	U	10
2-METHYLNAPHTHALENE	UG/L	47	1	4	J	4	J	10
2-METHYLPHENOL	UG/L	47	0	10	U	10	U	10
2-NITROANILINE	UG/L	47	0	25	U	25	U	25
2-NITROPHENOL	UG/L	47	0	10	U	10	U	10
3,3'-DICHLOROBENZIDINE	UG/L	47	0	10	U	10	U	10
3-NITROANILINE	UG/L	47	0	25	U	25	U	25
4,6-DINITRO-2-METHYLPHENOL	UG/L	47	0	25	U	25	U	25
4-BROMOPHENYL PHENYL ETHER	UG/L	47	0	10	U	10	U	10
4-CHLORO-3-METHYLPHENOL	UG/L	47	0	10	U	10	U	10
4-CHLOROANILINE	UG/L	47	0	10	U	10	U	10
4-CHLOROPHENYL PHENYL ETHER	UG/L	47	0	10	U	10	U	10
4-METHYLPHENOL	UG/L	47	0	10	U	10	U	10
4-NITROANILINE	UG/L	47	0	25	U	25	U	25
4-NITROPHENOL	UG/L	47	2	5	J	5	J	25
ACENAPHTHENE	UG/L	47	0	10	U	10	U	10
ACENAPHTHYLENE	UG/L	47	0	10	U	10	U	10
ANTHRACENE	UG/L	47	0	10	U	10	U	10
BENZO(A)ANTHRACENE	UG/L	47	0	10	U	10	U	10
BENZO(A)PYRENE	UG/L	47	0	10	U	10	U	10
BENZO(B)FLUORANTHENE	UG/L	47	0	10	U	10	U	10
BENZO(GHI)PERYLENE	UG/L	47	0	10	U	10	U	10
BENZO(K)FLUORANTHENE	UG/L	47	0	10	U	10	U	10
BENZYL BUTYL PHTHALATE	UG/L	47	2	3	J	3	J	10
BIS(2-CHLOROETHOXY) METHANE	UG/L	47	0	10	U	10	U	10
BIS(2-CHLOROETHYL)ETHER	UG/L	47	0	10	U	10	U	10
BIS(2-CHLOROISOPROPYL) ETHER	UG/L	47	0	10	U	10	U	10
BIS(2-ETHYLHEXYL)PHTHALATE	UG/L	47	6	3	J	24		10
CARBAZOLE	UG/L	43	0	10	U	10	U	10
CHRYSENE	UG/L	47	0	10	U	10	U	10
DI-N-BUTYL PHTHALATE	UG/L	47	0	10	U	10	U	10
DI-N-OCTYL PHTHALATE	UG/L	47	0	10	U	10	U	10
DIBENZO(A,H)ANTHRACENE	UG/L	47	0	10	U	10	U	10
DIBENZOFURAN	UG/L	47	0	10	U	10	U	10
DIETHYL PHTHALATE	UG/L	47	0	10	U	10	U	10
DIMETHYL PHTHALATE	UG/L	47	0	10	U	10	U	10
FLUORANTHENE	UG/L	47	0	10	U	10	U	10
FLUORENE	UG/L	47	0	10	U	10	U	10
HEXACHLOROBENZENE	UG/L	47	0	10	U	10	U	10
HEXACHLOROBUTADIENE	UG/L	47	0	10	U	10	U	10
HEXACHLOROCYCLOPENTADIENE	UG/L	47	0	10	U	10	U	10
HEXACHLOROETHANE	UG/L	47	0	10	U	10	U	10
INDENO(1,2,3-CD)PYRENE	UG/L	47	0	10	U	10	U	10
ISOPHORONE	UG/L	47	0	10	U	10	U	10
N-NITROSODIPHENYLAMINE	UG/L	47	0	10	U	10	U	10
N-NITROSODIPROPYLAMINE	UG/L	47	0	10	U	10	U	10

TABLE D1-1

MCAS El Toro Phase I RI Technical Memorandum

CHEMICALS SELECTED (BOLD LETTERS) FOR SURFACE RUNOFF PLOTS

CHEMICAL NAME	UNITS	TOTAL NUMBER OF DATA POINTS	DATA ABOVE DETECTION LIMIT	CONCENTRATION				DETECT-ION LIMIT
				MINIMUM	FLAG	MAXIMUM	FLAG	
SEMIVOLATILE ORGANIC COMPOUNDS continued								
NAPHTHALENE	UG/L	47	0	10	U	10	U	10
NITROBENZENE	UG/L	47	0	10	U	10	U	10
PENTACHLOROPHENOL	UG/L	47	0	25	U	25	U	25
PHENANTHRENE	UG/L	47	0	10	U	10	U	10
PHENOL	UG/L	47	0	10	U	10	U	10
PYRENE	UG/L	47	0	10	U	10	U	10
PESTICIDES AND PCBs								
4,4'-DDD	UG/L	46	0	0.01	U	0.1	U	0.1
4,4'-DDE	UG/L	46	1	0.03		0.03		0.1
4,4'-DDT	UG/L	46	2	0.01		0.12		0.1
ALDRIN	UG/L	46	0	0.05	U	0.05	U	0.05
ALPHA-CHLORDANE	UG/L	46	0	0.05	U	0.05	U	0.05
BHC-ALPHA	UG/L	46	0	0.05	U	0.05	U	0.05
BHC-BETA	UG/L	46	2	0.05	U	0.14		0.05
BHC-DELTA	UG/L	46	1	0.05	U	0.05	P	0.05
BHC-GAMMA(LINDANE)	UG/L	46	0	0.05	U	0.5	U	0.05
DIELDRIN	UG/L	46	0	0.1	U	0.1	U	0.1
ENDOSULFAN I	UG/L	46	0	0.05	U	0.5	U	0.05
ENDOSULFAN II	UG/L	46	0	0.1	U	0.1	U	0.1
ENDOSULFAN SULFATE	UG/L	46	1	0.1	U	0.11	P	0.1
ENDRIN	UG/L	42	0	0.1	U	0.1	U	0.1
ENDRIN ALDEHYDE	UG/L	46	0	0.1	U	0.1	U	0.1
ENDRIN KETONE	UG/L	46	0	0.1	U	0.1	U	0.1
GAMMA-CHLORDANE	UG/L	46	3	0		0.01		0.05
HEPTACHLOR	UG/L	46	0	0.05	U	0.5	U	0.05
HEPTACHLOR EPOXIDE	UG/L	46	0	0.05	U	0.5	U	0.05
METHOXYCHLOR	UG/L	46	0	0.5	U	0.5	U	0.5
PCB-1016	UG/L	46	0	1	U	1	U	1
PCB-1221	UG/L	46	0	2	U	2	U	2
PCB-1232	UG/L	46	0	1	U	1	U	1
PCB-1242	UG/L	46	0	1	U	1	U	1
PCB-1248	UG/L	46	0	1	U	1	U	1
PCB-1254	UG/L	46	0	1	U	1	U	1
PCB-1260	UG/L	46	0	1	U	1	U	1
TOXAPHENE	UG/L	46	0	5	U	5	U	5

TABLE D1-1

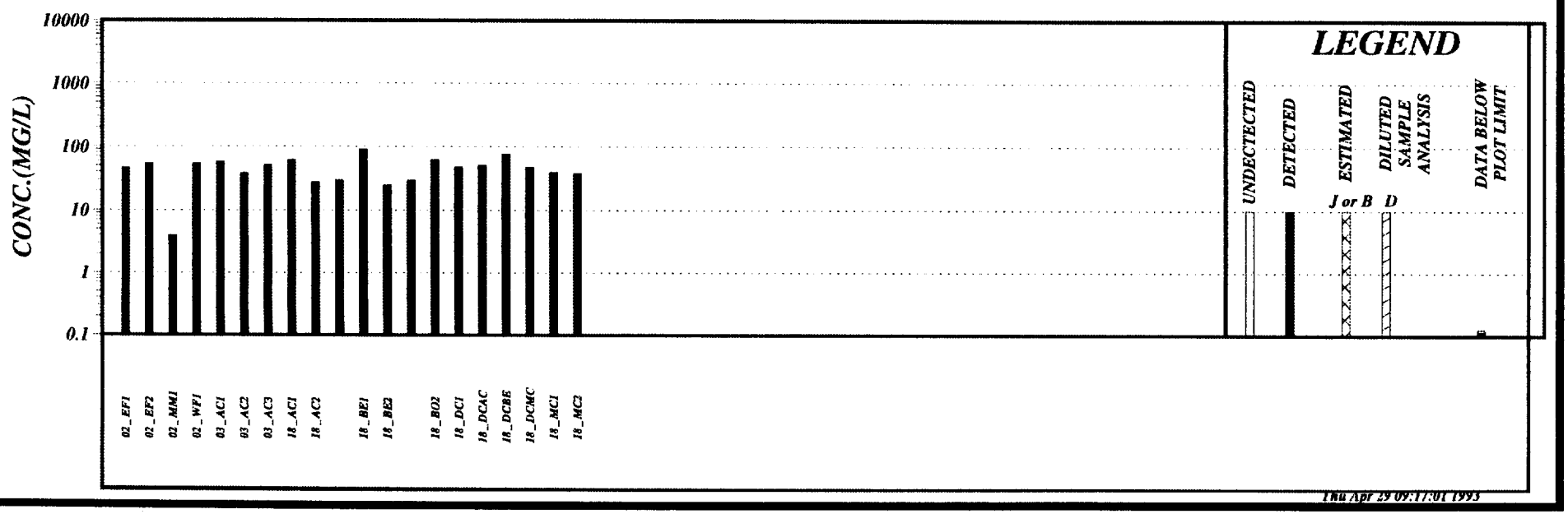
MCAS El Toro Phase I RI Technical Memorandum

CHEMICALS SELECTED (BOLD LETTERS) FOR SURFACE RUNOFF PLOTS

CHEMICAL NAME	UNITS	TOTAL NUMBER OF DATA POINTS	DATA ABOVE DETECTION LIMIT	CONCENTRATION				DETECT -ION LIMIT
				MINIMUM	FLAG	MAXIMUM	FLAG	
HERBICIDES								
2,4 DICHLOROPHENOXY ACETIC ACID	UG/L	20	0	0.5	U	1	U	0.5
2,4,5-T	UG/L	20	0	0.25	U	0.5	U	0.2
2,4,5-TP (SILVEX)	UG/L	20	0	0.25	U	0.5	U	0.2
2,4-DB	UG/L	20	0	0.5	U	1	U	0.5
DALAPON	UG/L	20	0	0.5	U	1	U	0.5
DICAMBA	UG/L	20	0	0.5	U	1	U	0.5
DICHLOROPROP	UG/L	20	0	0.5	U	1	U	0.5
DINOSEB	UG/L	20	0	0.25	U	0.5	U	0.2
MCPA	UG/L	20	0	250	U	500	U	250
MCPP	UG/L	20	0	250	U	500	U	250
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)								
TFH DIESEL	UG/L	20	3	250	U	457		250
TFH GASOLINE	UG/L	20	0	50	U	50	U	50
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)								
TRPH	MG/L	20	0	0.44	U	0.44	U	0.44
GROSS ALPHA AND BETA								
GROSS ALPHA	PCI/L	4	4	5.4		8.6		2.3
GROSS BETA	PCI/L	4	4	14.3		127		8.8

MCAS EL TORO Phase 1 RI Technical Memorandum

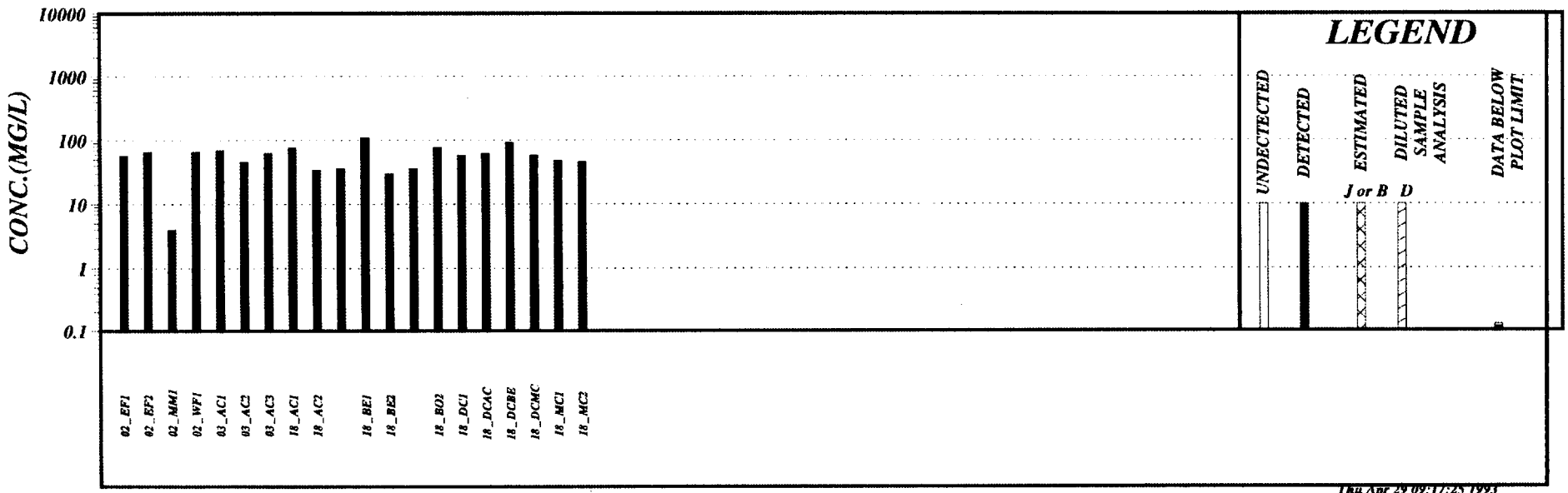
ALKALINITY AS CACO3 Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:17:01 1993

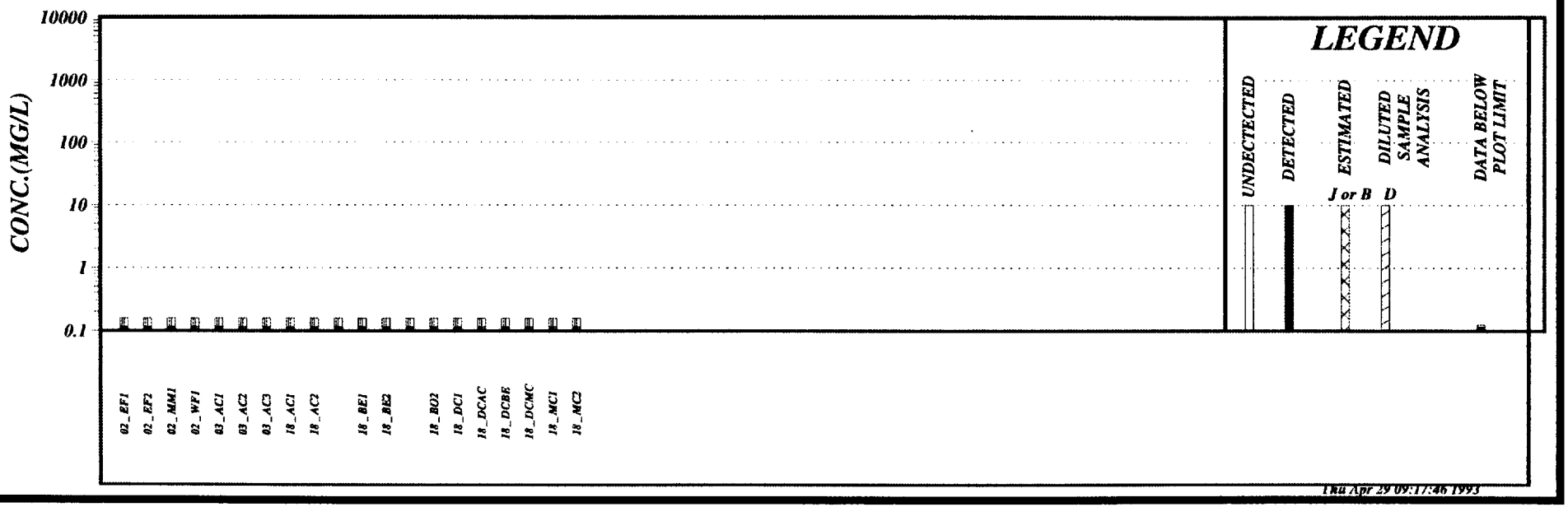
MCAS EL TORO Phase 1 RI Technical Memorandum

BICARBONATE Concentration in Surface Runoff(12/07/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

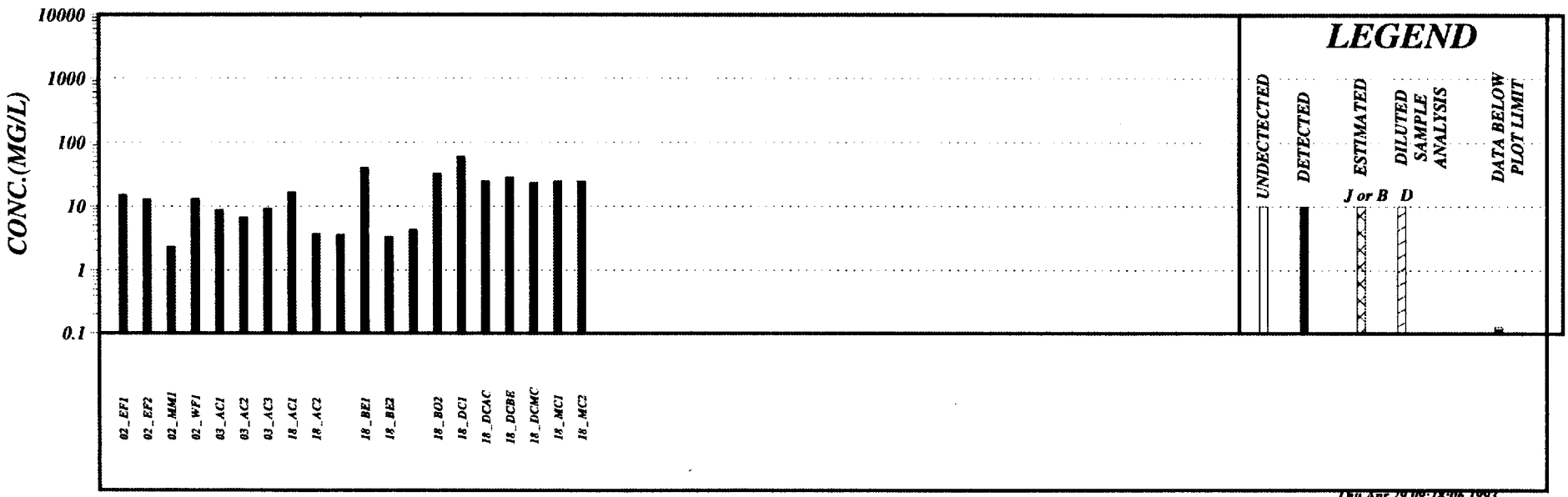
CARBONATE Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:17:46 1993

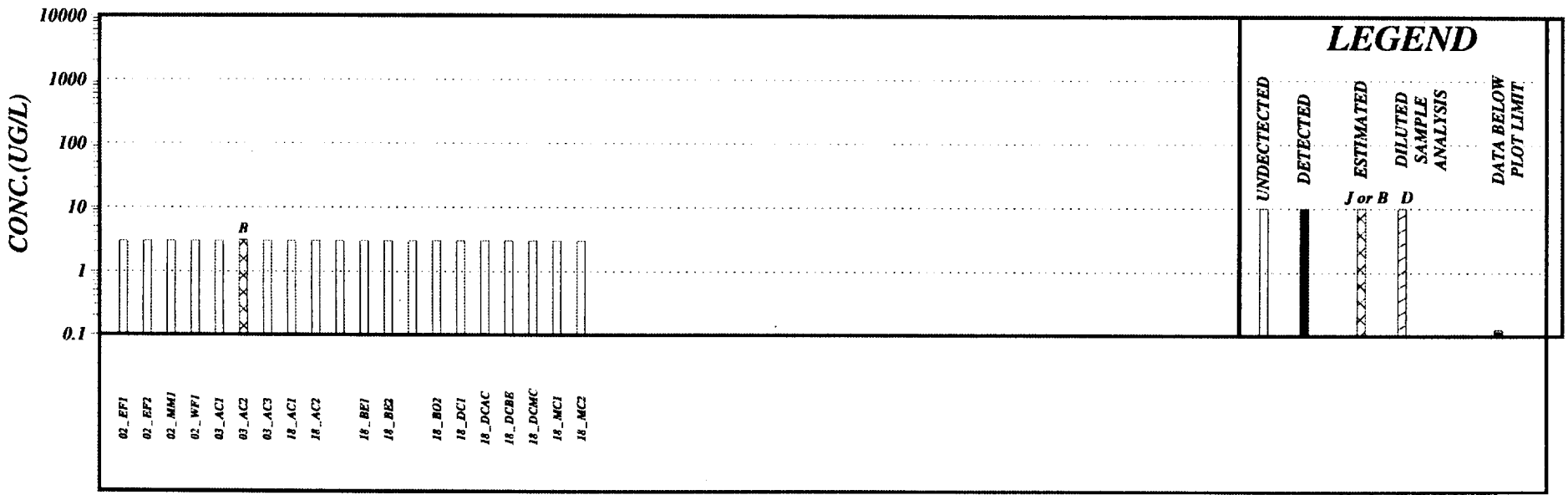
MCAS EL TORO Phase 1 RI Technical Memorandum

CHLORIDE Concentration in Surface Runoff(12/07/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

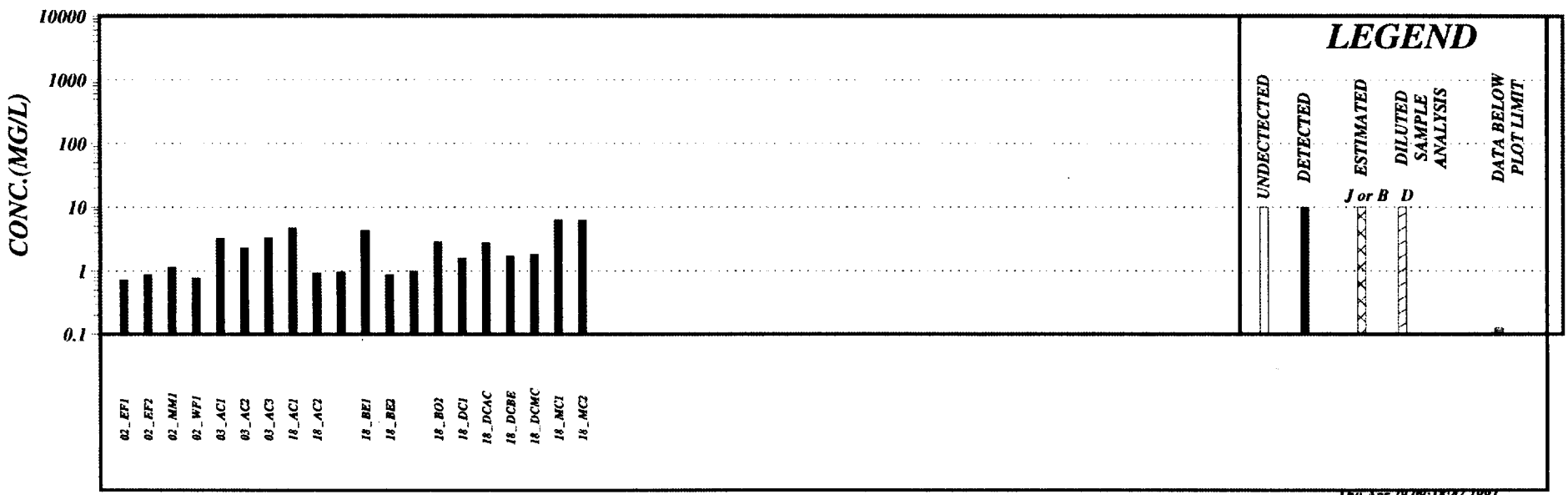
CYANIDE Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:18:27 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

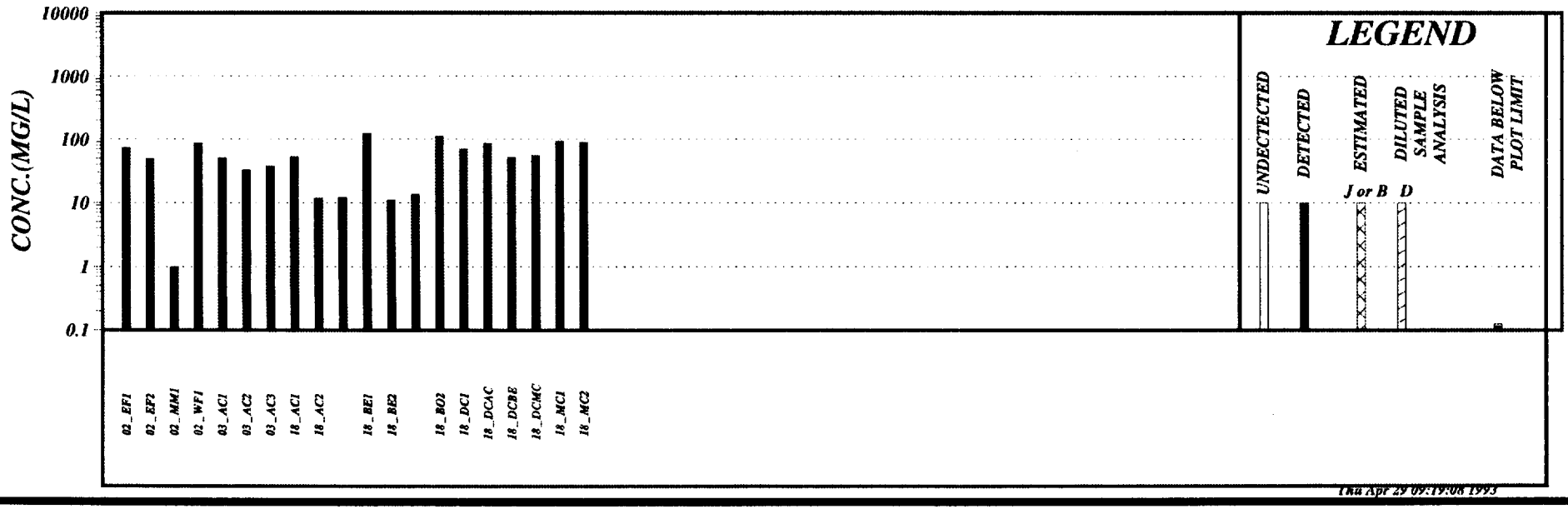
NITRATE/NITRITE-N Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:18:47 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

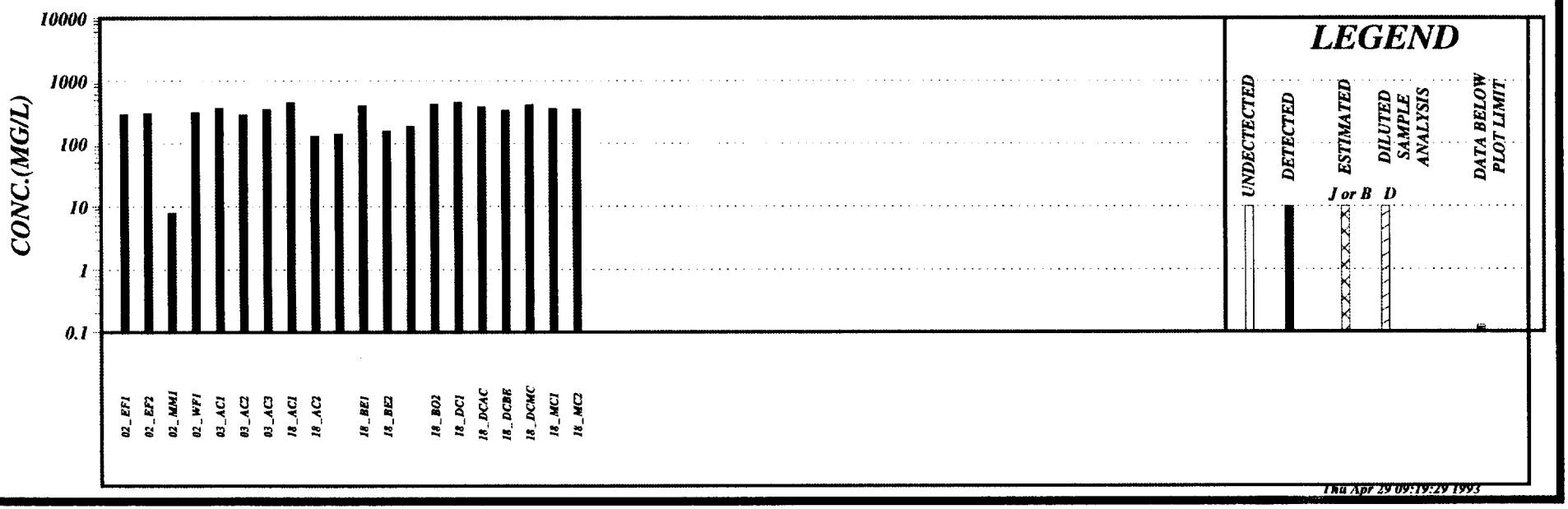
SULFATE Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:19:08 1993

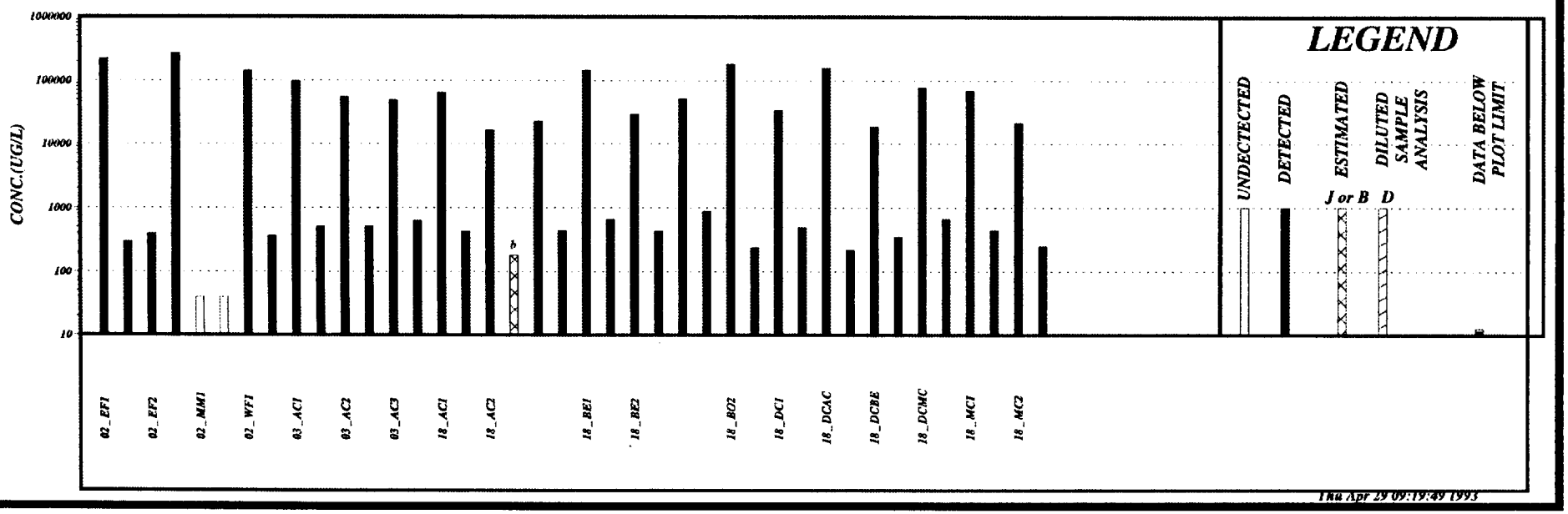
MCAS EL TORO Phase 1 RI Technical Memorandum

TOTAL DISSOLVED SOLIDS Concentration in Surface Runoff(12/07/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

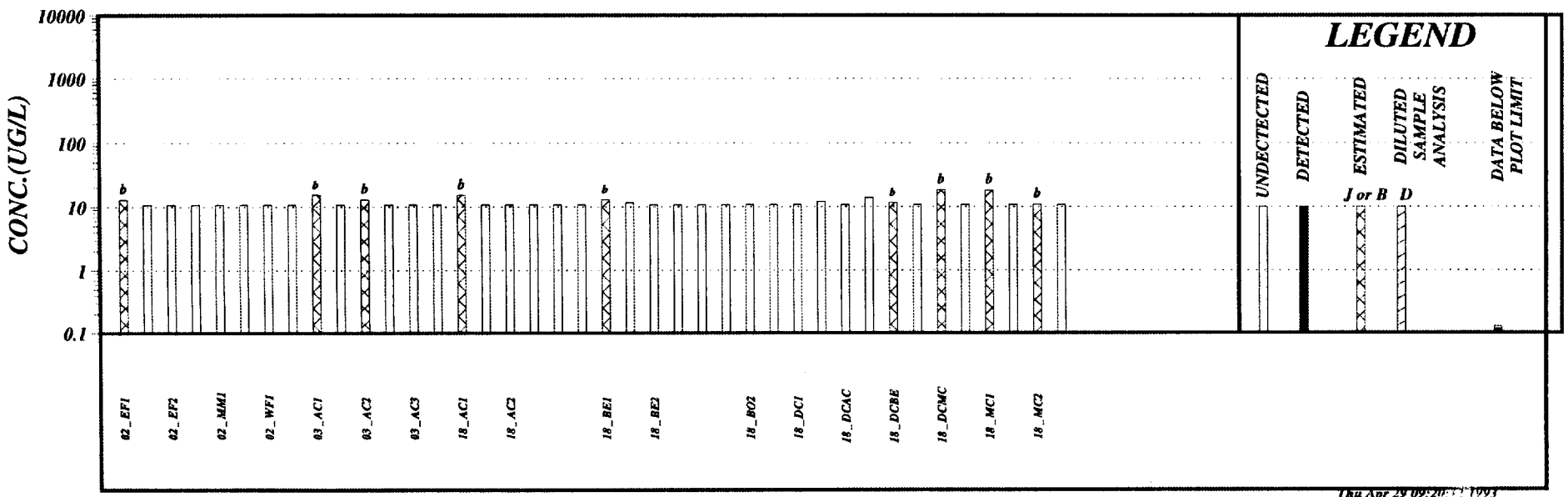
ALUMINUM Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:19:49 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

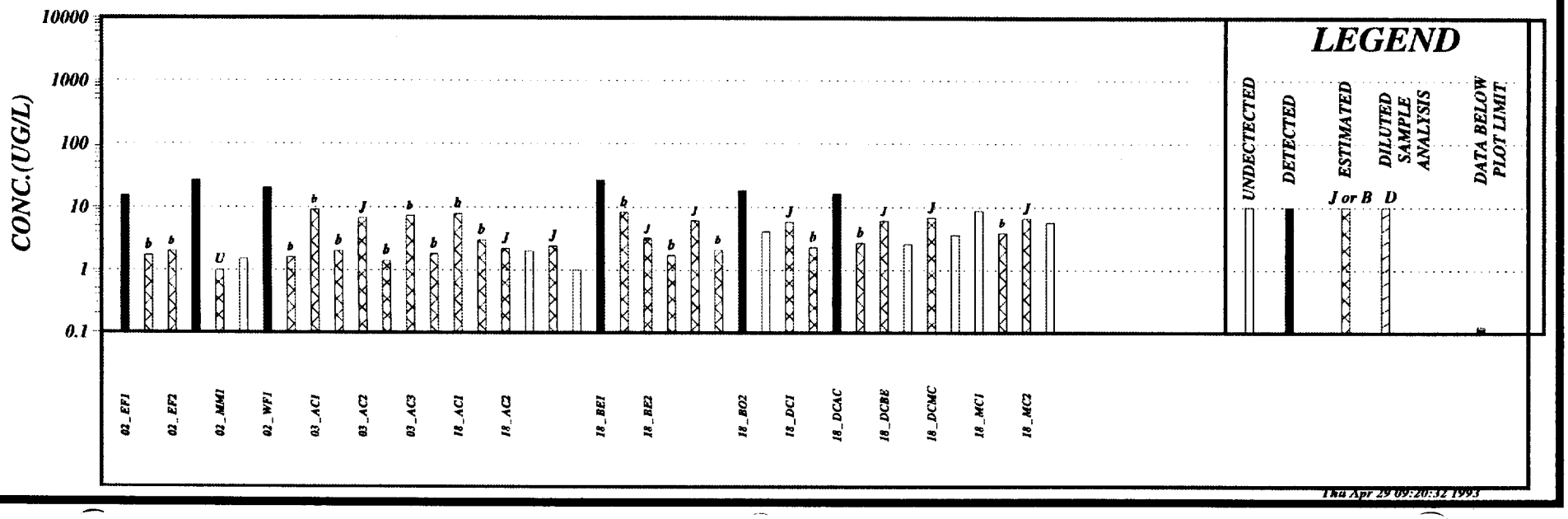
ANTIMONY Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:20:[illegible] 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

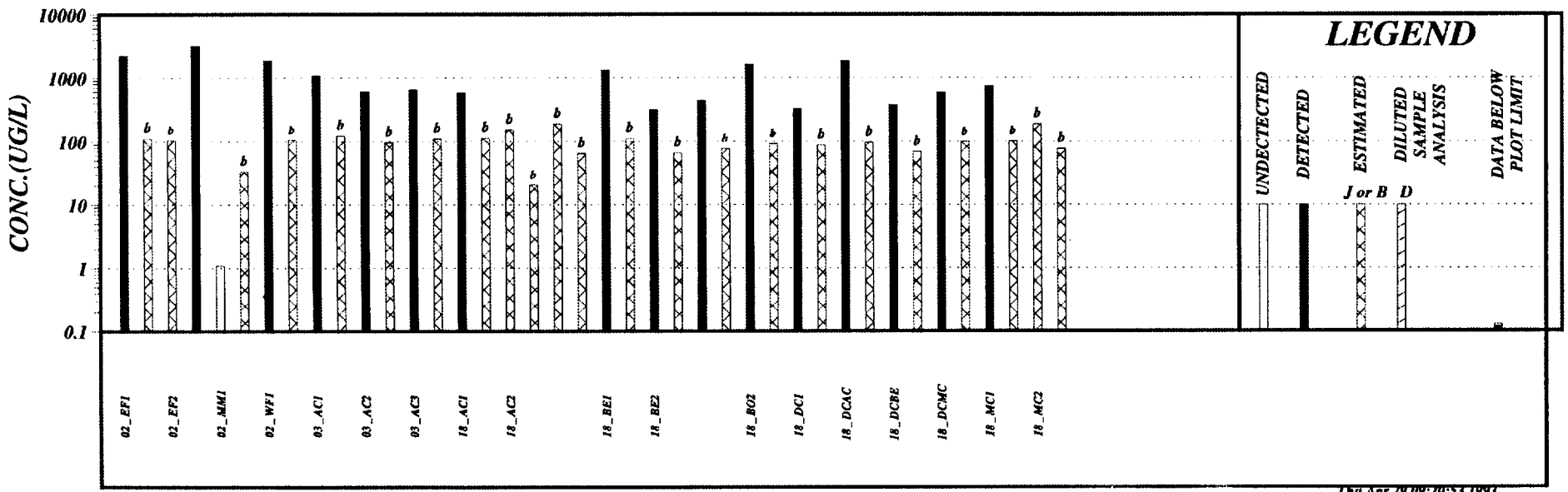
ARSENIC Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:20:32 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

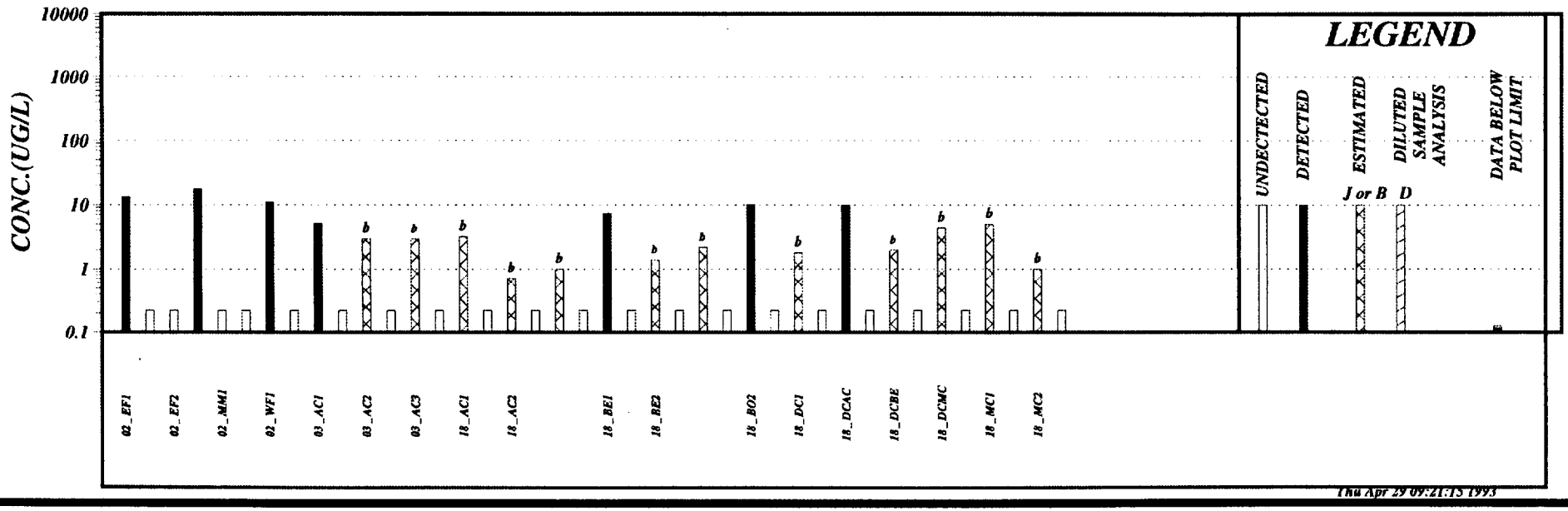
BARIUM Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:20:53 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

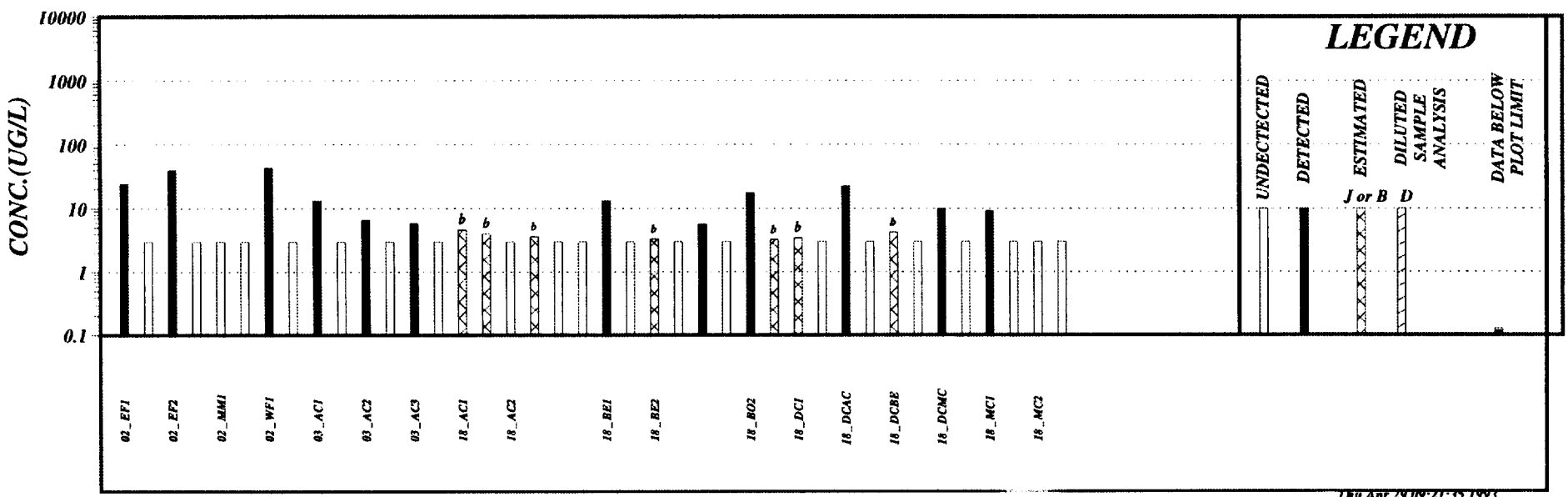
BERYLLIUM Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:21:15 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

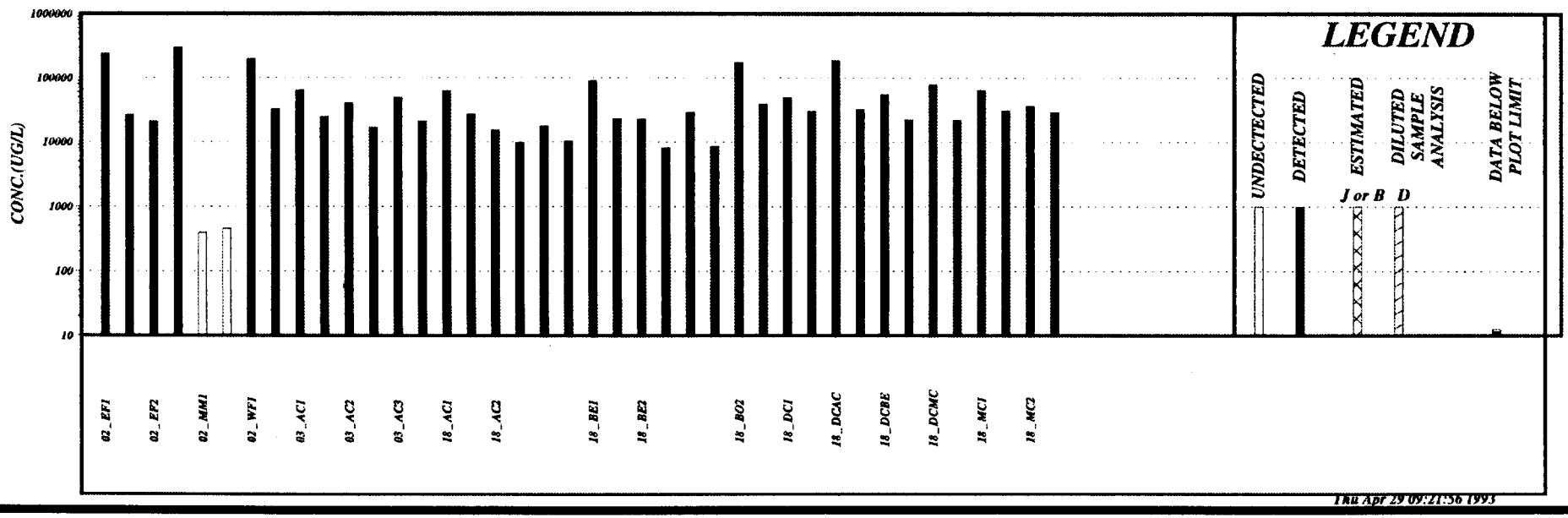
CADMIUM Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:21:35 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

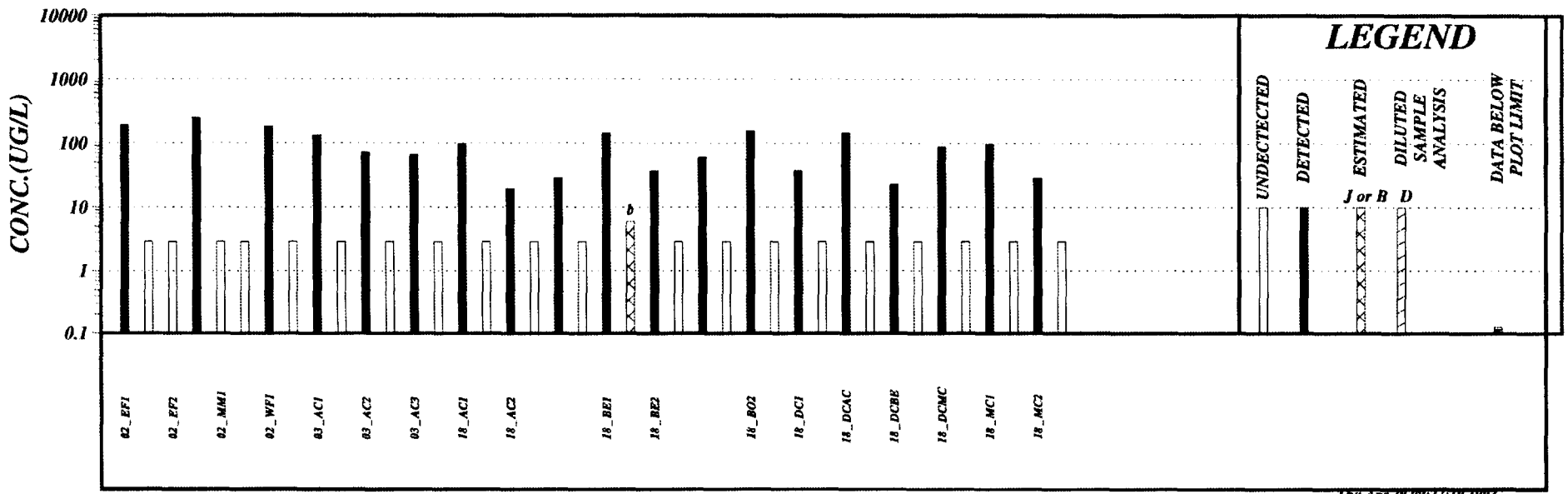
CALCIUM Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:21:56 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

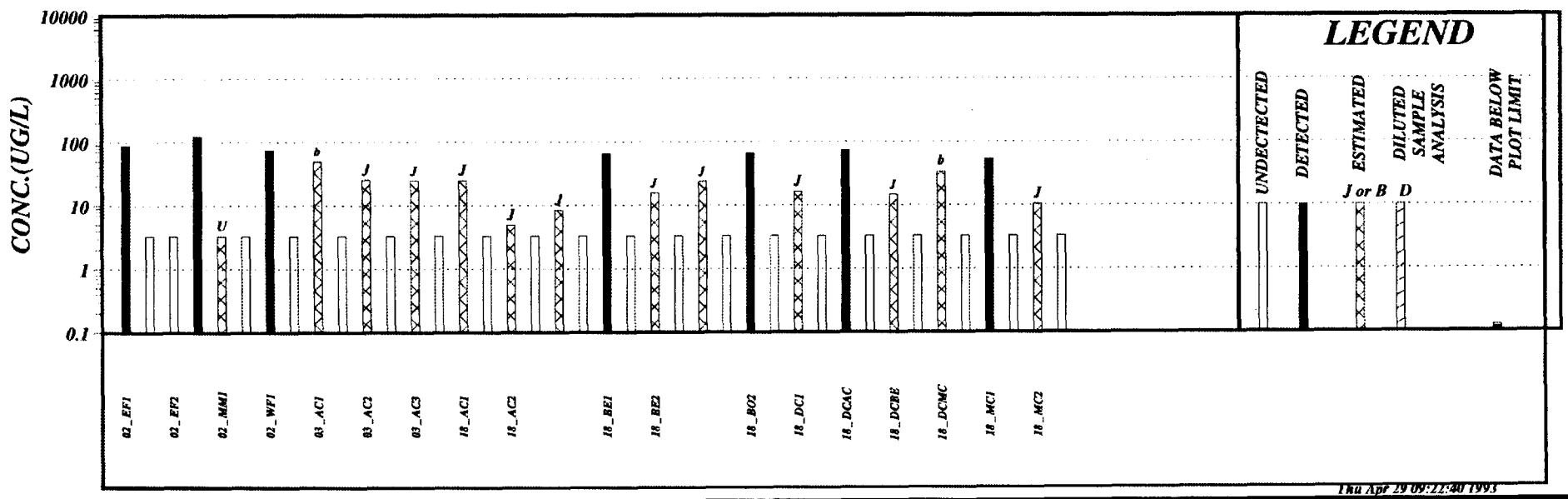
CHROMIUM Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:22:19 1993

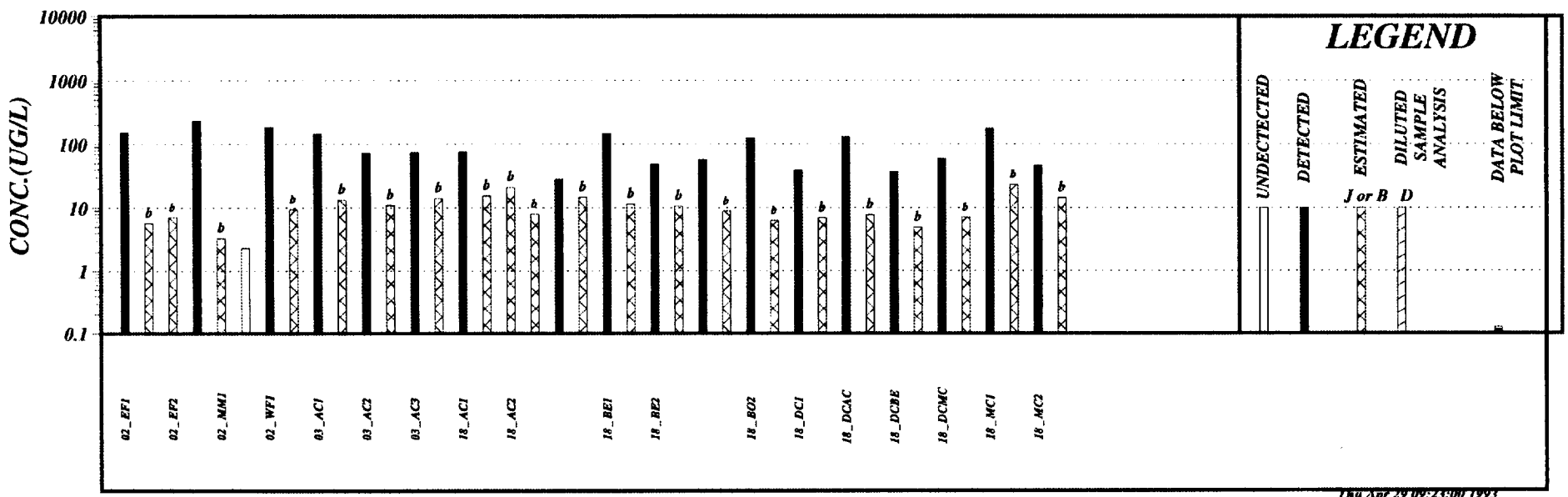
MCAS EL TORO Phase 1 RI Technical Memorandum

COBALT Concentration in Surface Runoff(12/07/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

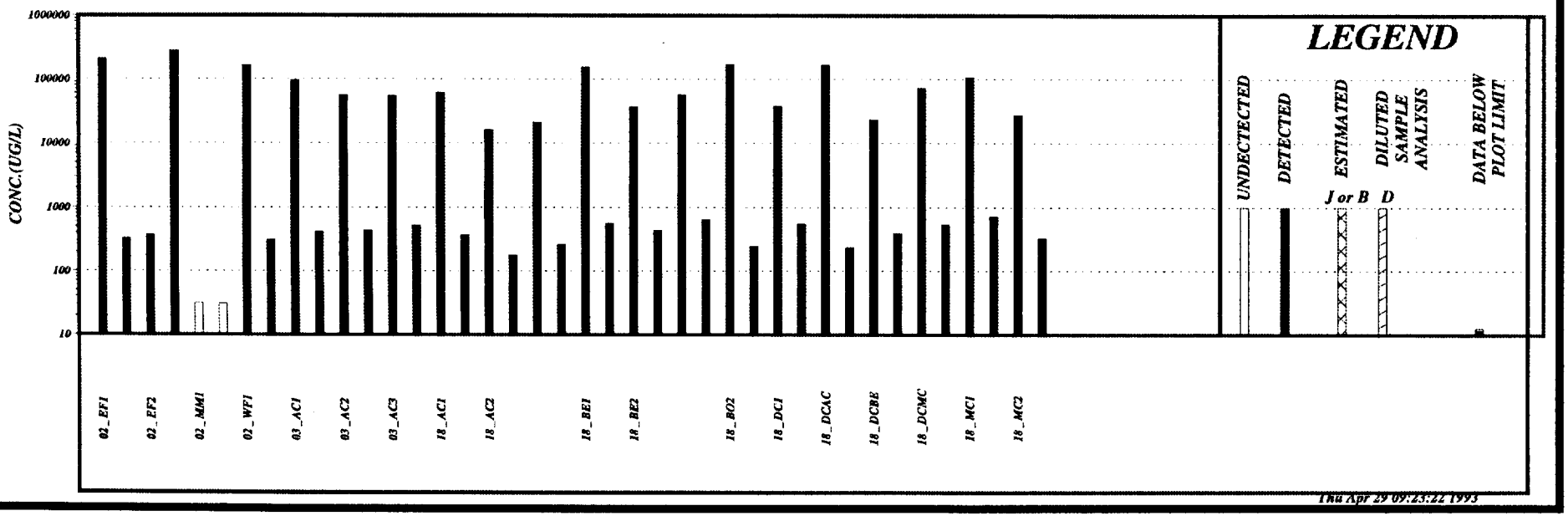
COPPER Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:23:00 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

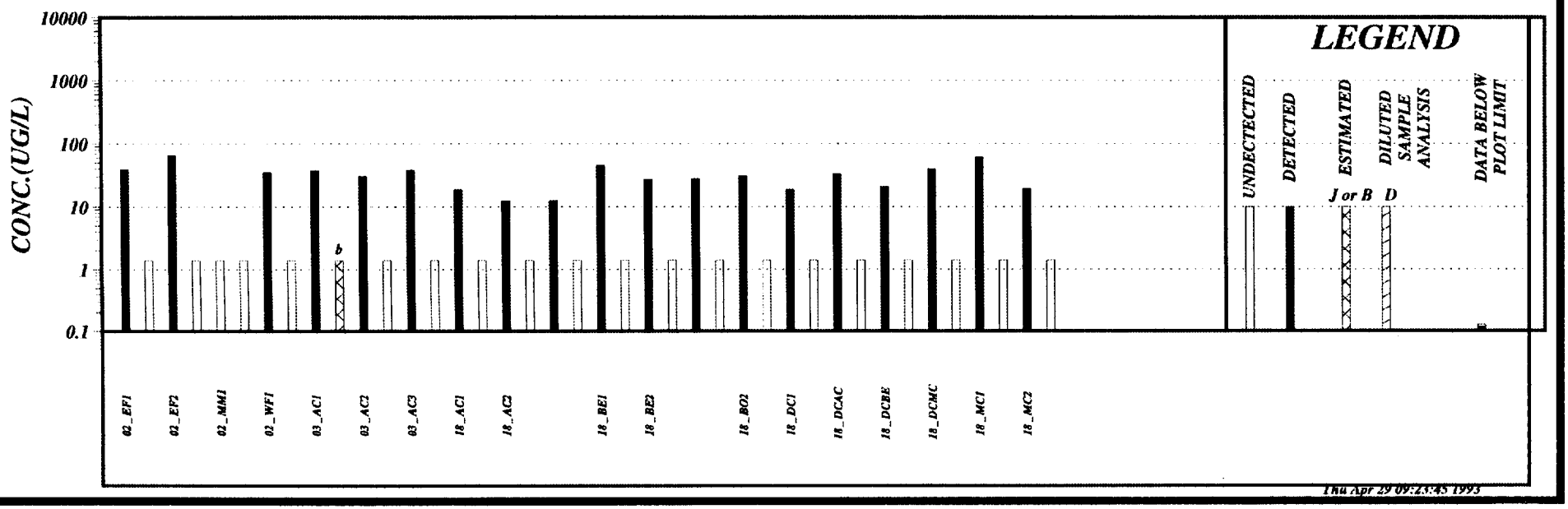
IRON Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:23:22 1993

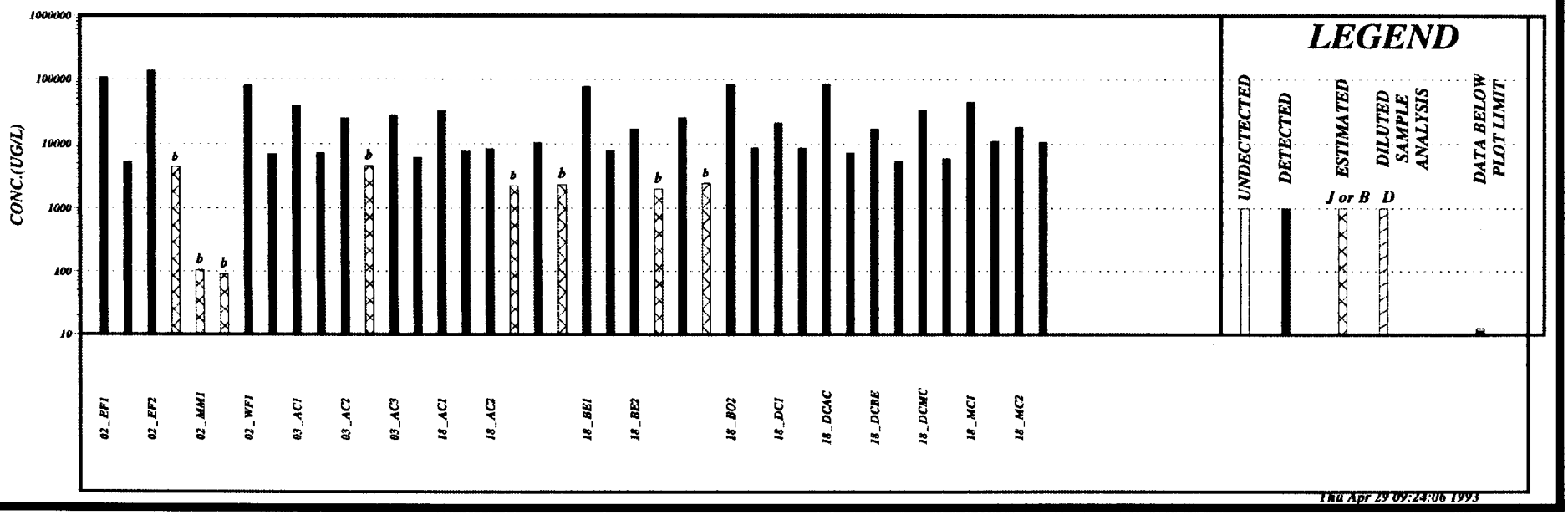
MCAS EL TORO Phase 1 RI Technical Memorandum

LEAD Concentration in Surface Runoff(12/07/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

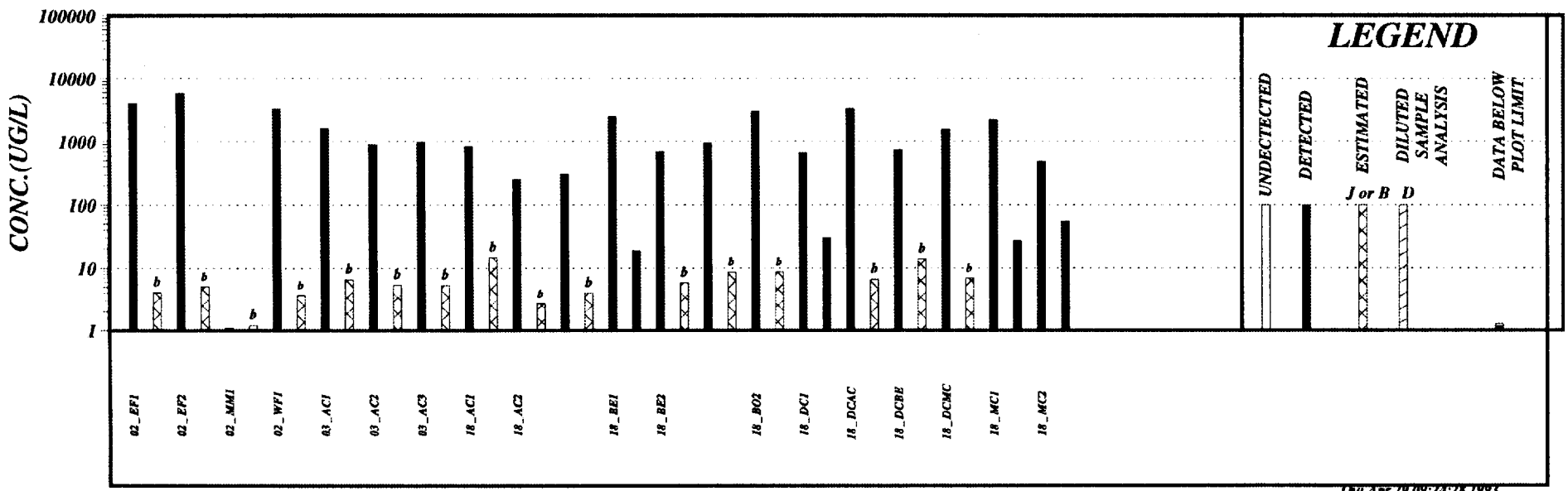
MAGNESIUM Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:24:06 1993

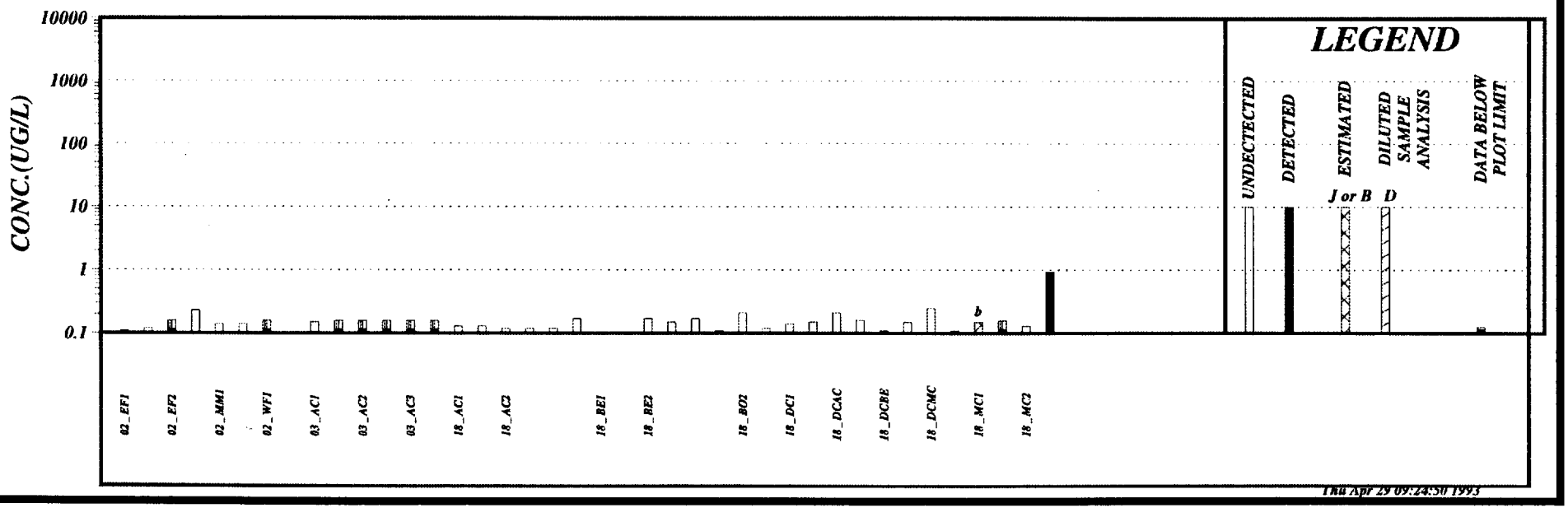
MCAS EL TORO Phase 1 RI Technical Memorandum

MANGANESE Concentration in Surface Runoff(12/07/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

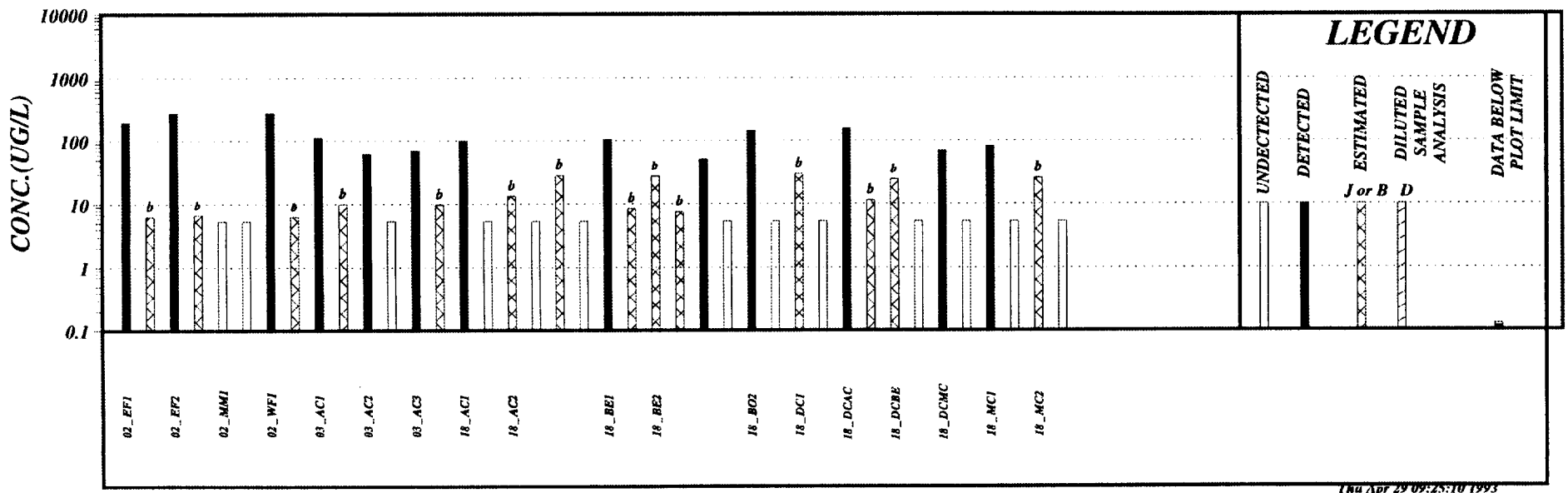
MERCURY Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:24:50 1993

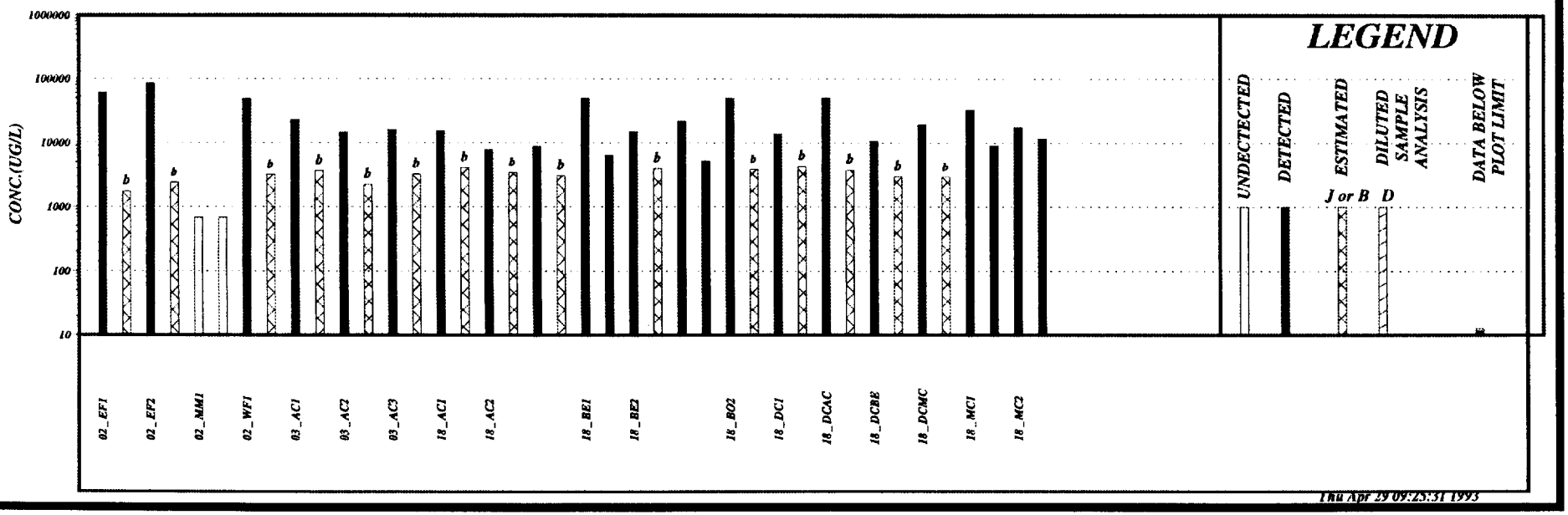
MCAS EL TORO Phase 1 RI Technical Memorandum

NICKEL Concentration in Surface Runoff(12/07/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

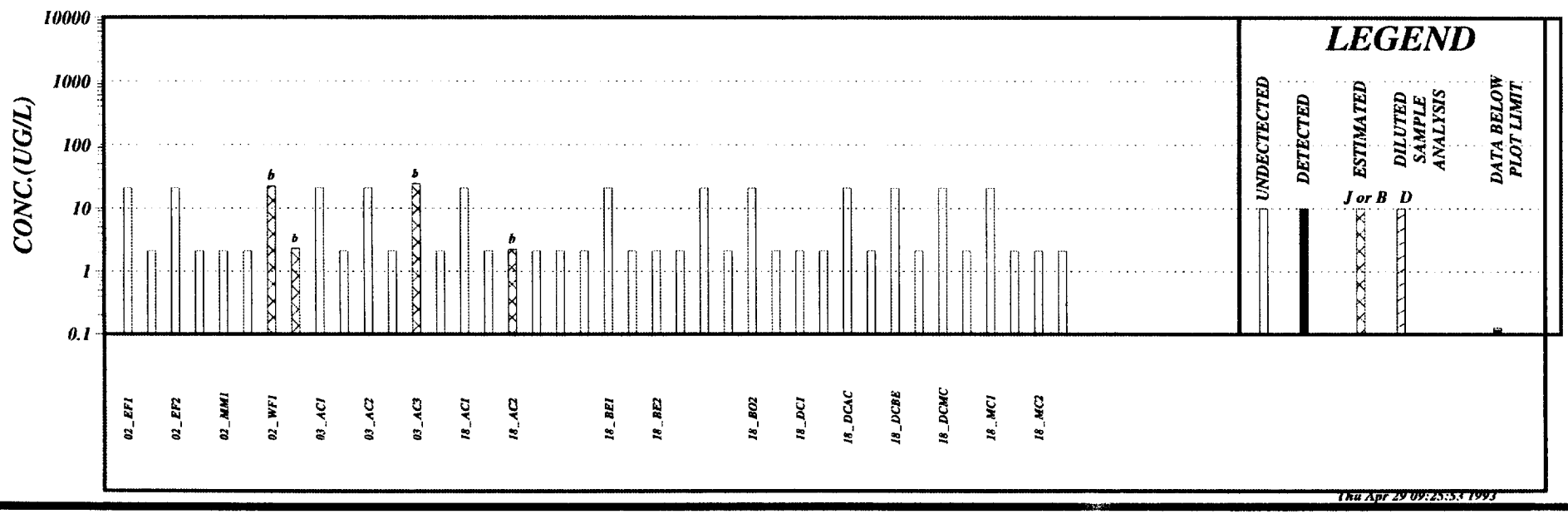
POTASSIUM Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:25:31 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

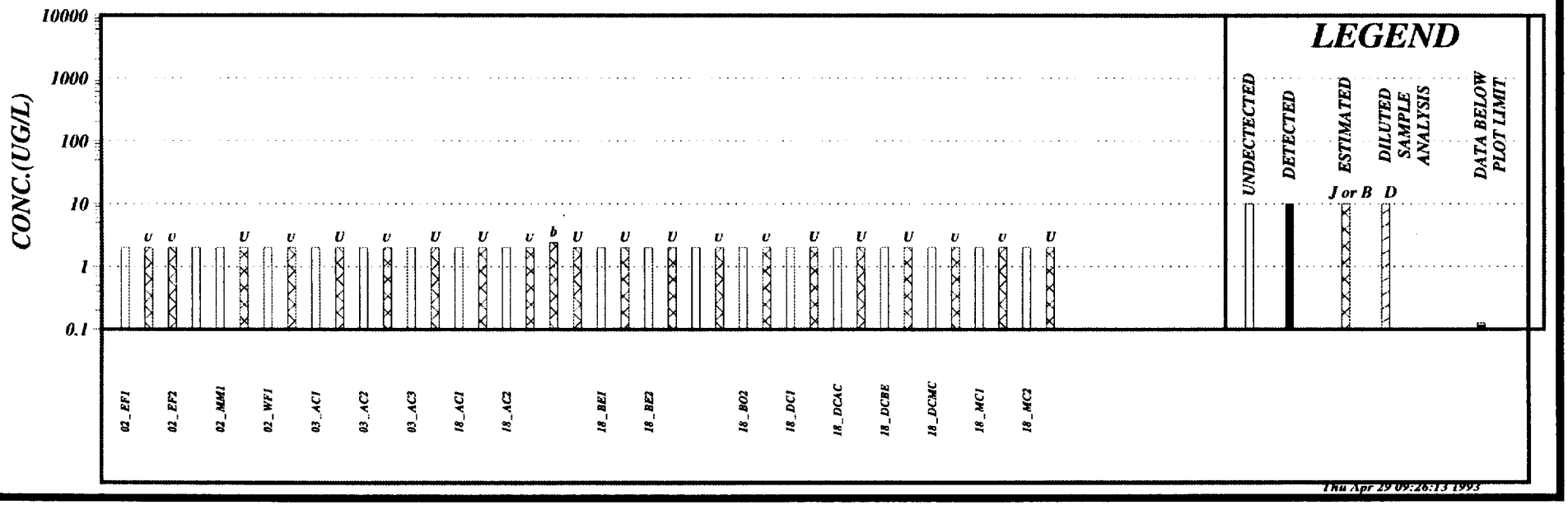
SELENIUM Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:25:53 1993

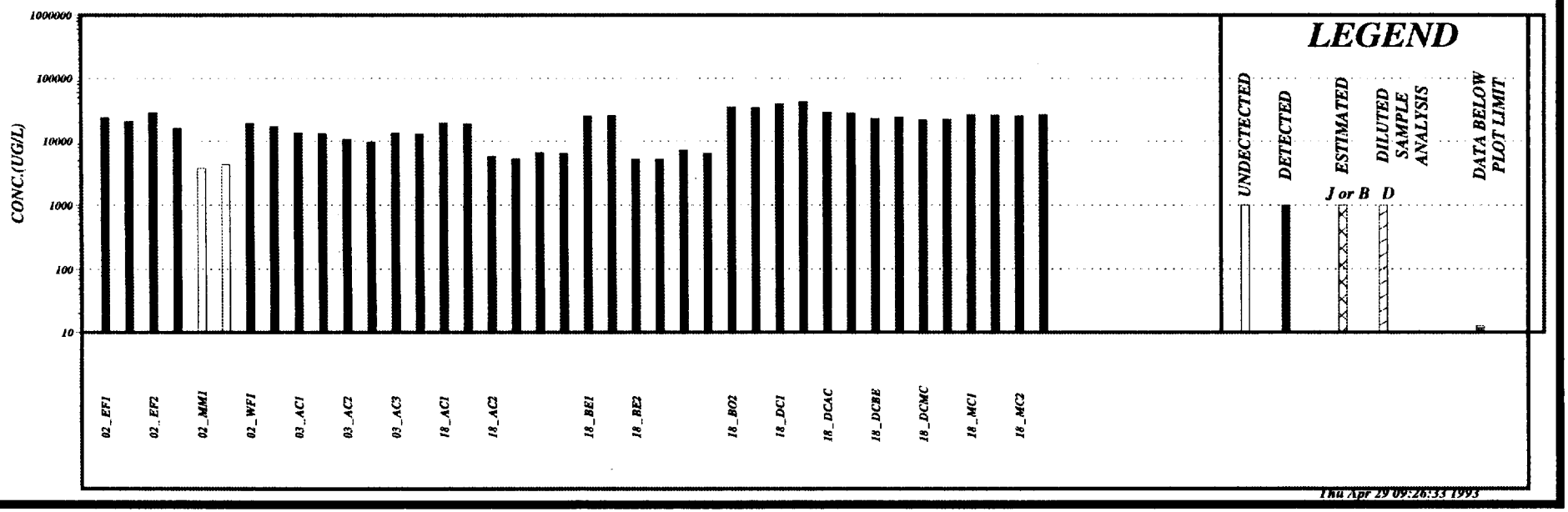
MCAS EL TORO Phase 1 RI Technical Memorandum

SILVER Concentration in Surface Runoff(12/07/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

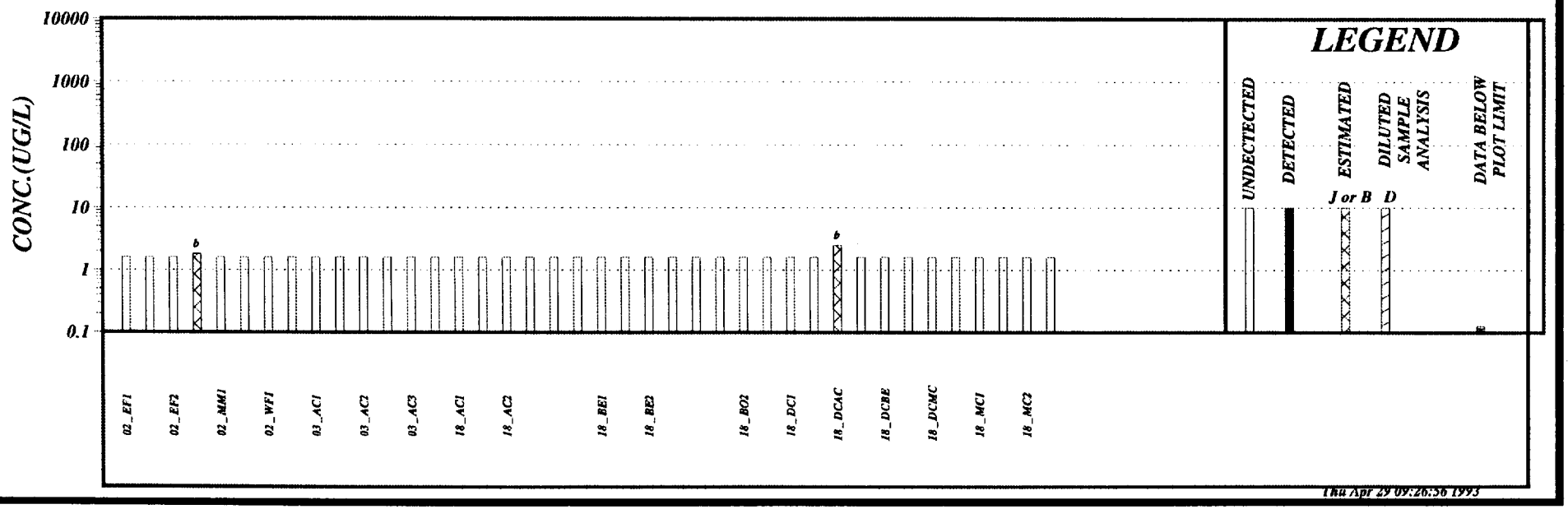
SODIUM Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:26:33 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

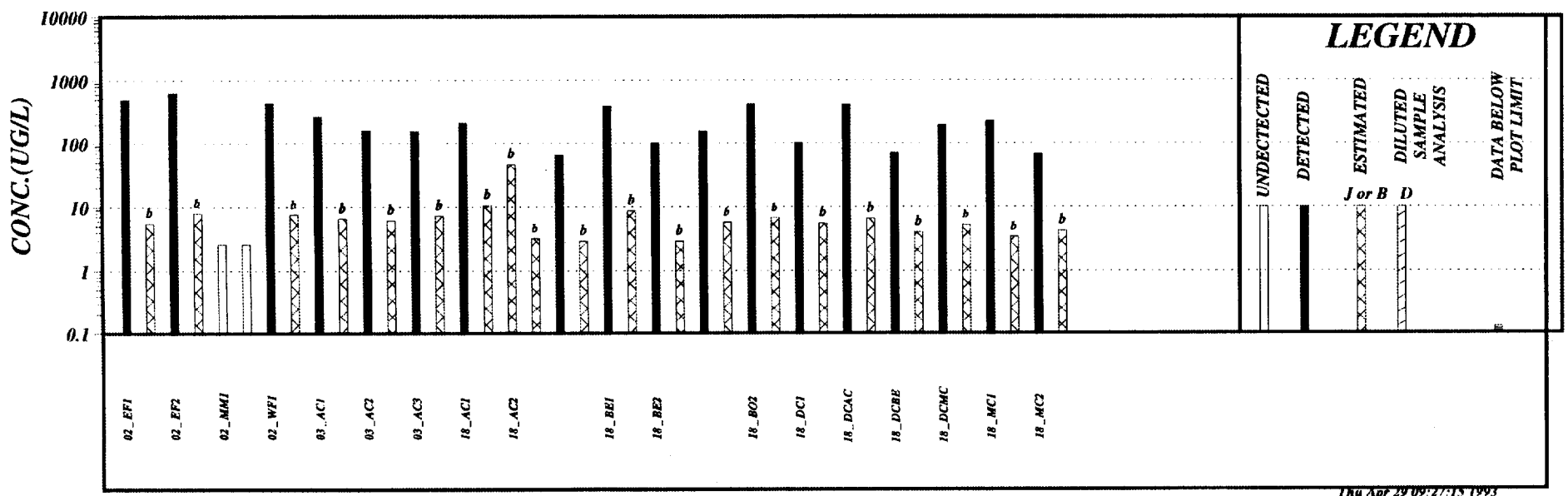
THALLIUM Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:26:56 1993

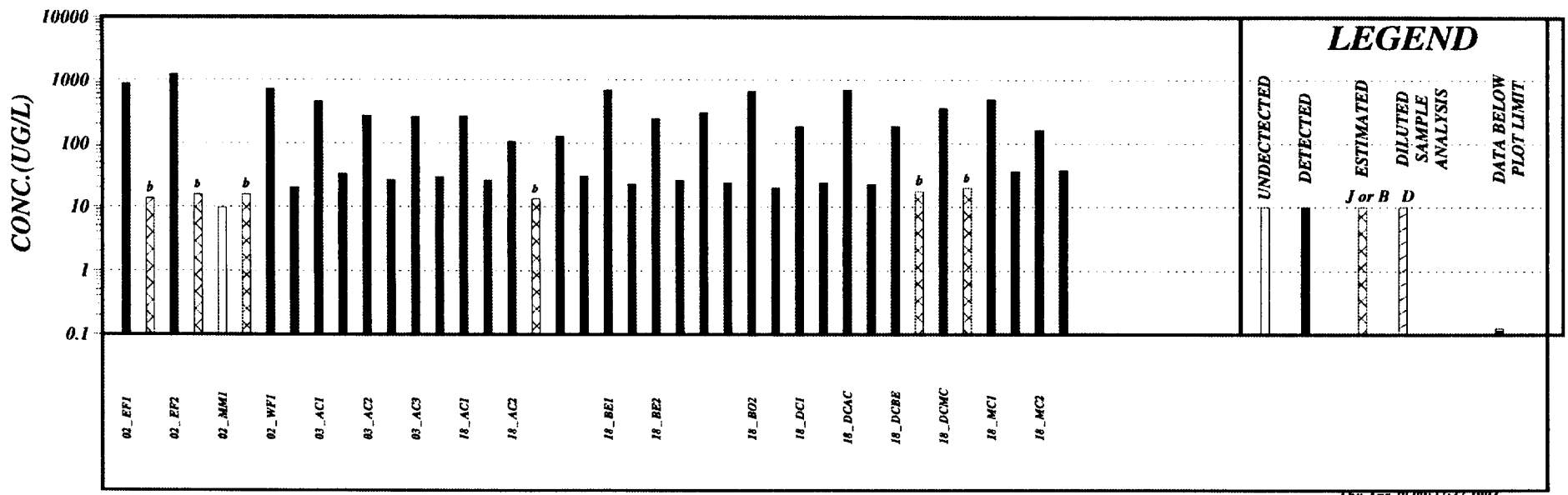
MCAS EL TORO Phase 1 RI Technical Memorandum

VANADIUM Concentration in Surface Runoff(12/07/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

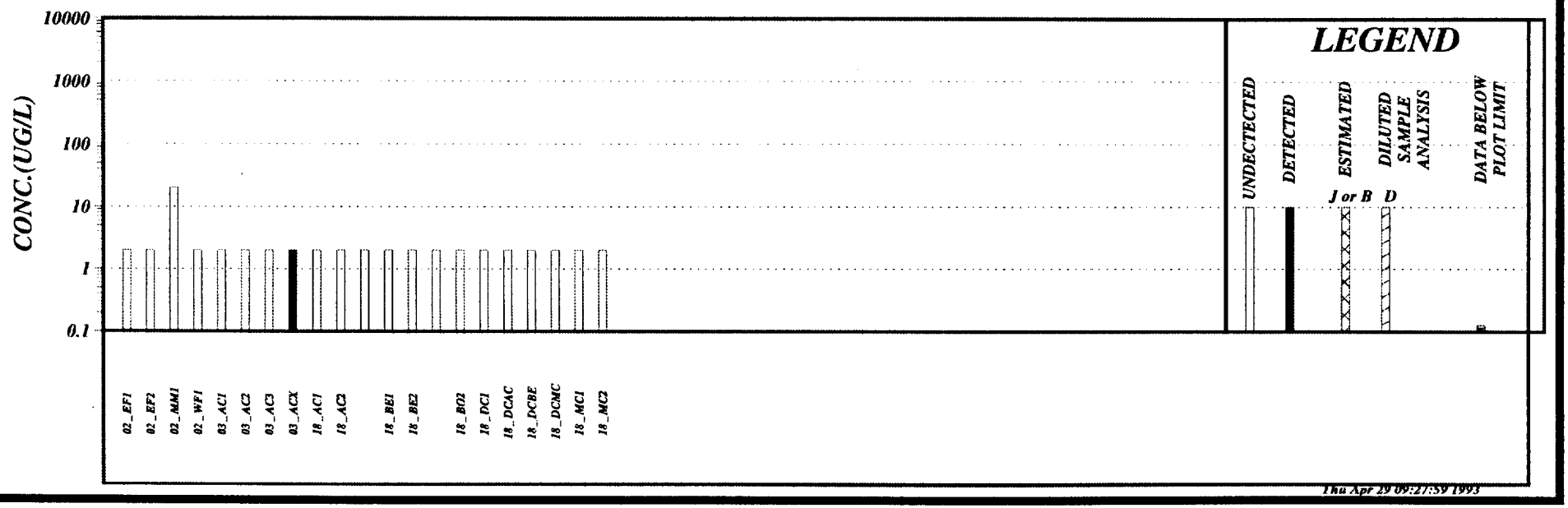
ZINC Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:27:37 1993

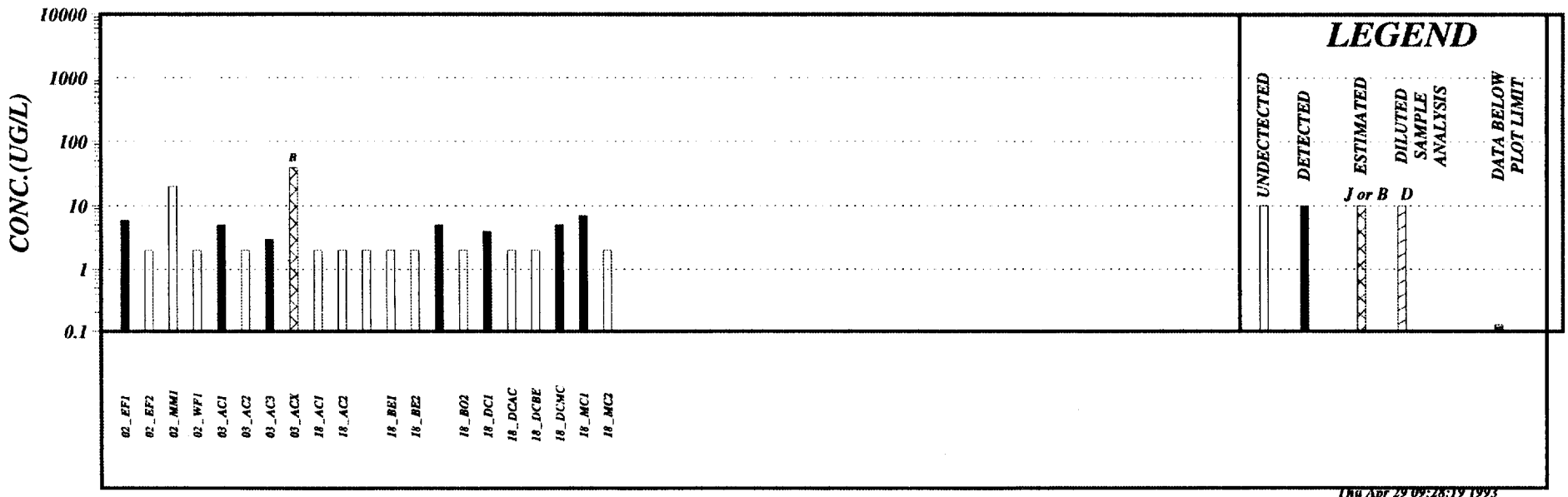
MCAS EL TORO Phase 1 RI Technical Memorandum

2-BUTANONE Concentration in Surface Runoff(09/15/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

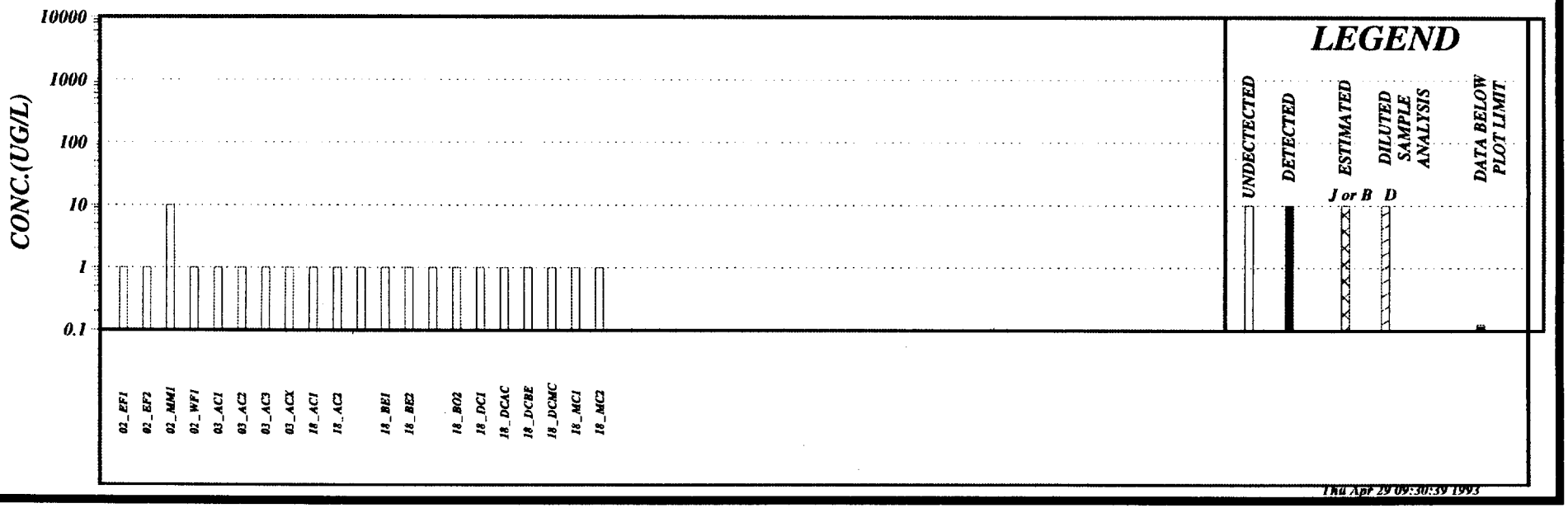
ACETONE Concentration in Surface Runoff(09/15/92-12/07/92)



Thu Apr 29 09:28:19 1993

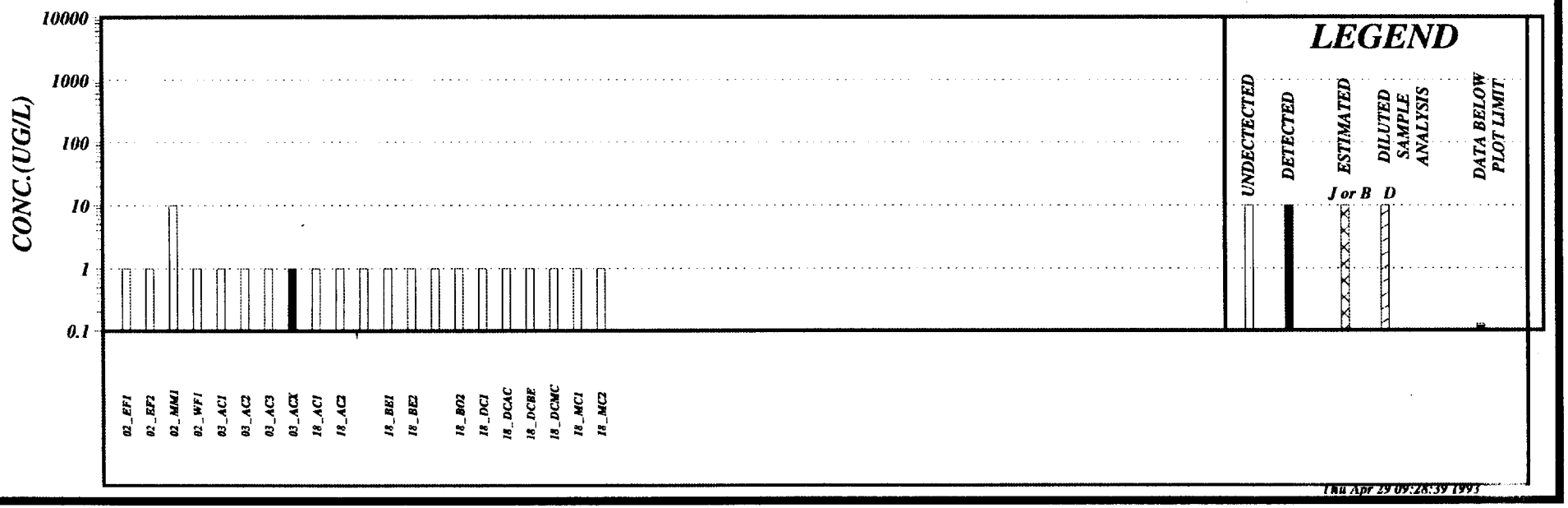
MCAS EL TORO Phase 1 RI Technical Memorandum

BENZENE Concentration in Surface Runoff(09/15/92-12/07/92)



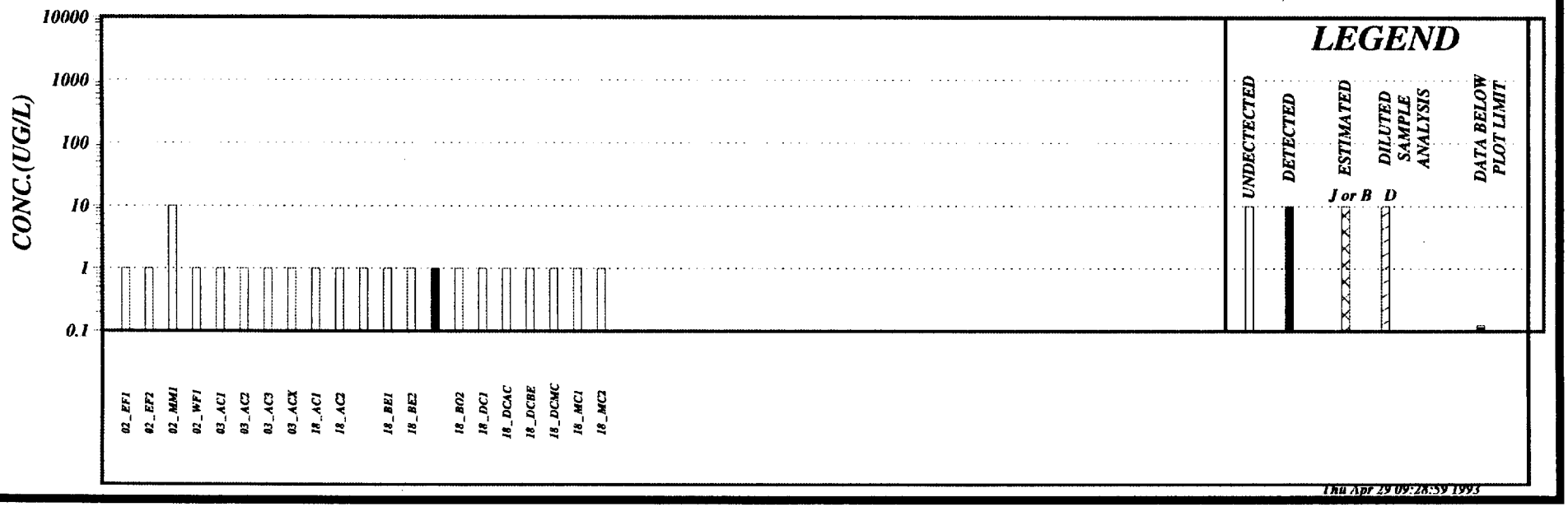
MCAS EL TORO Phase 1 RI Technical Memorandum

CARBON DISULFIDE Concentration in Surface Runoff(09/15/92-12/07/92)



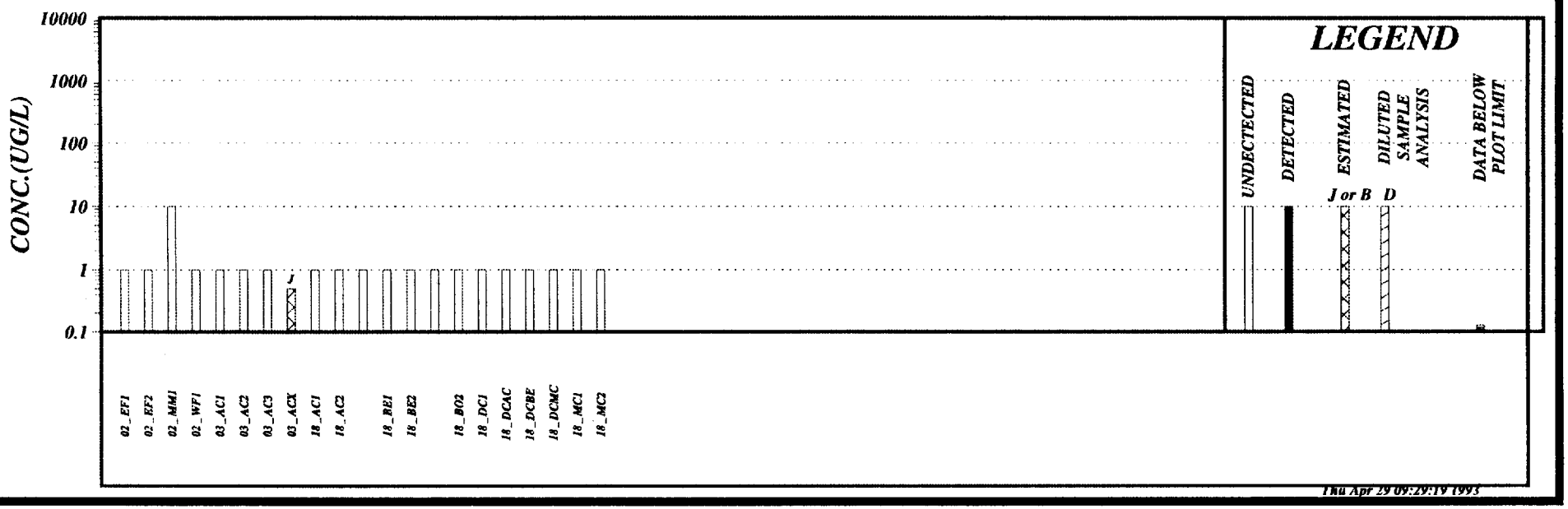
MCAS EL TORO Phase 1 RI Technical Memorandum

CARBON TETRACHLORIDE Concentration in Surface Runoff(09/15/92-12/07/92)



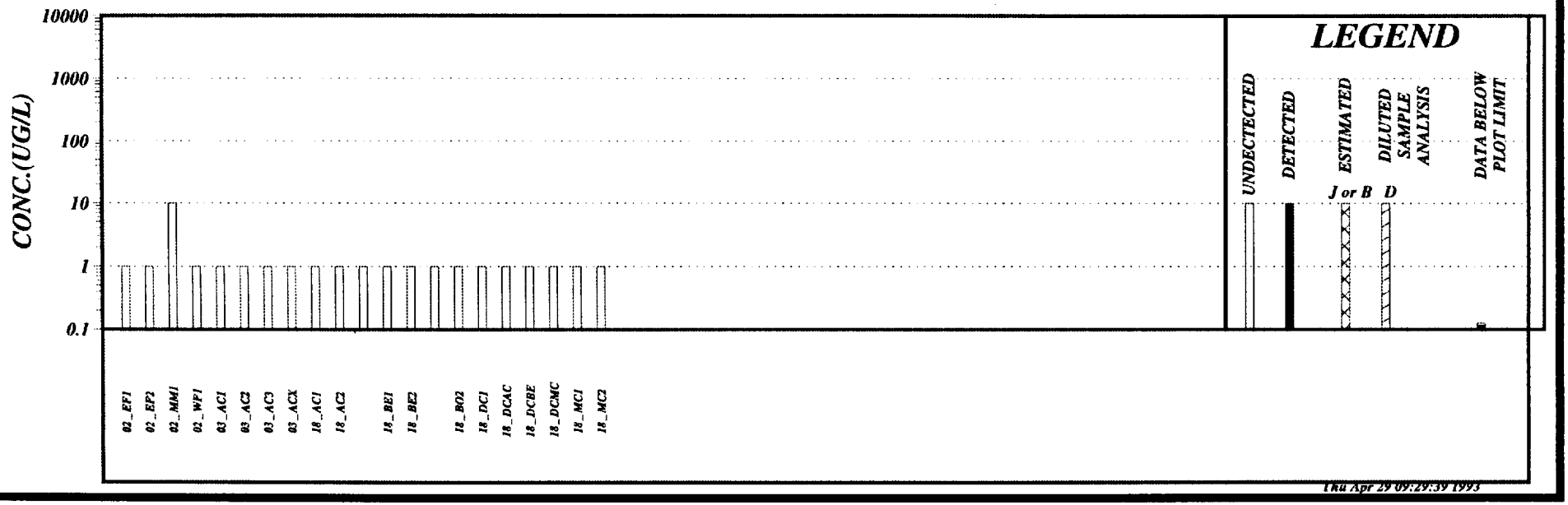
MCAS EL TORO Phase 1 RI Technical Memorandum

CHLORODIBROMOMETHANE Concentration in Surface Runoff(09/15/92-12/07/92)



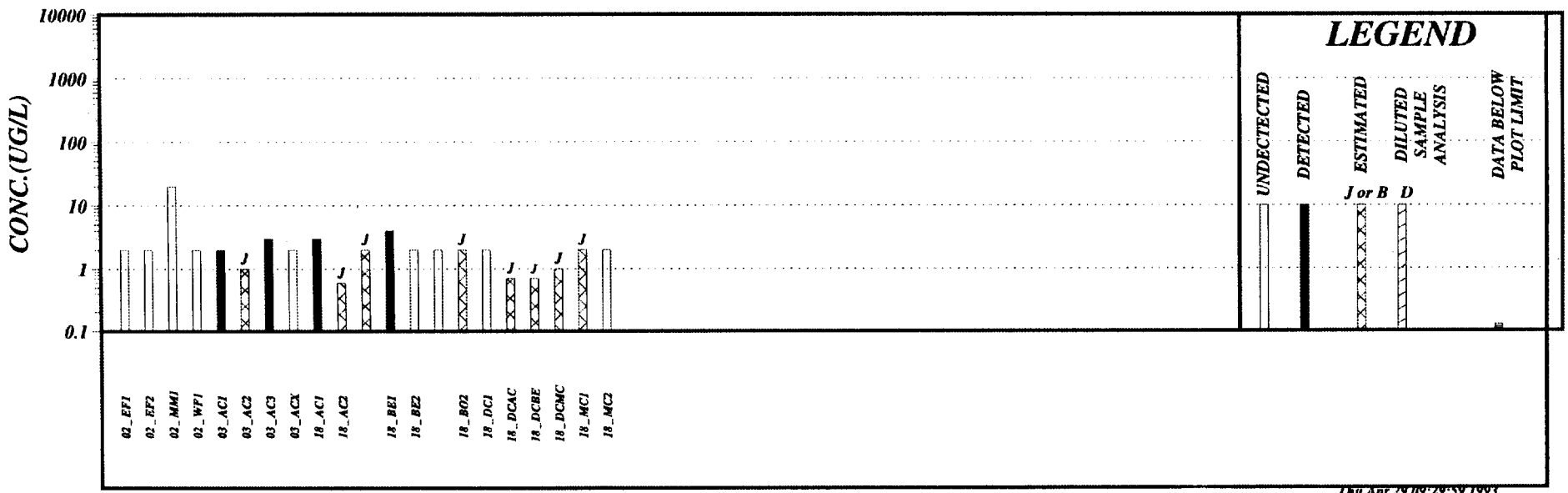
MCAS EL TORO Phase 1 RI Technical Memorandum

CHLOROFORM Concentration in Surface Runoff(09/15/92-12/07/92)



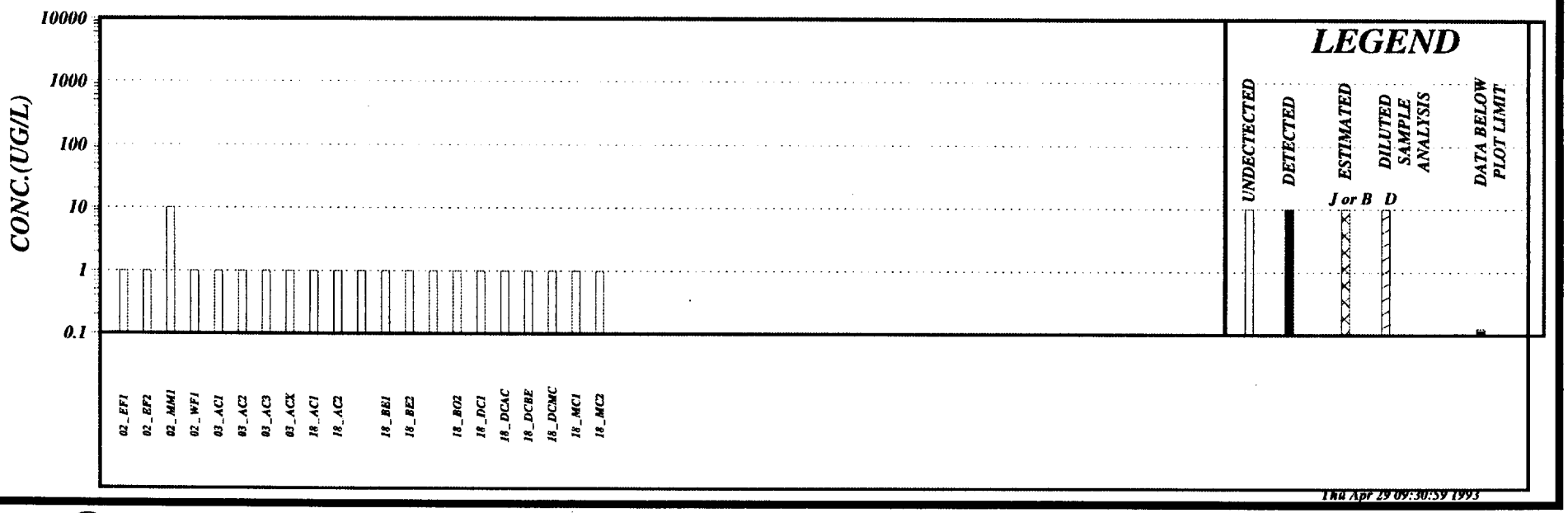
MCAS EL TORO Phase 1 RI Technical Memorandum

CHLOROMETHANE (METHYL CHLORIDE) Concentration in Surface Runoff(09/15/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

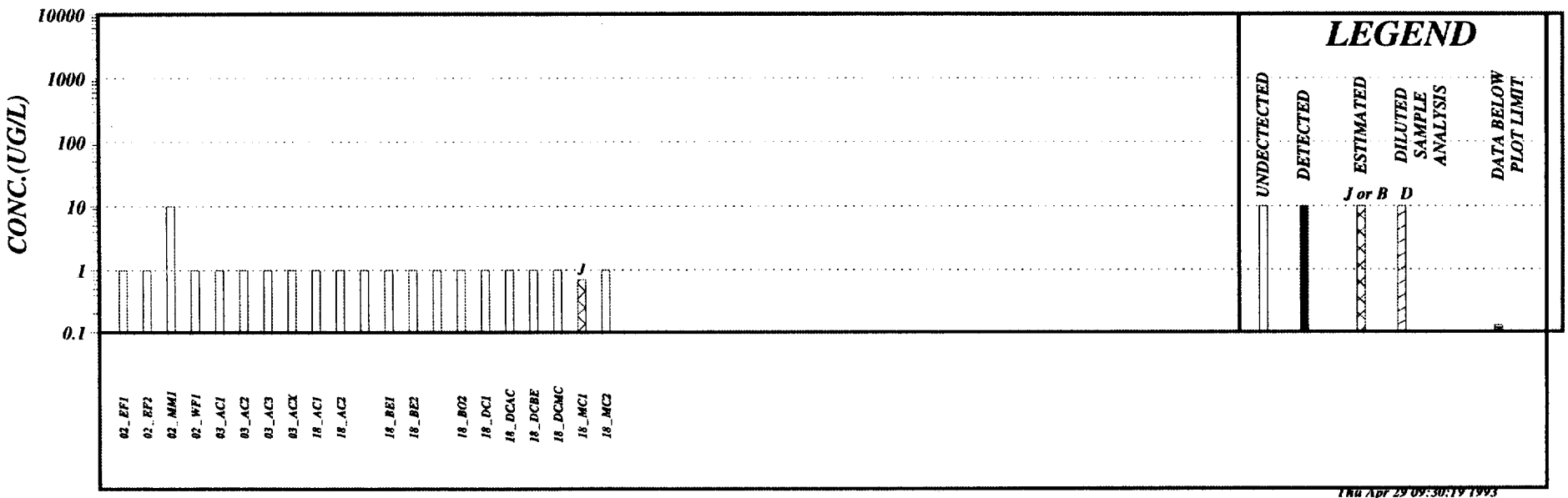
TETRACHLOROETHENE Concentration in Surface Runoff(09/15/92-12/07/92)



Thu Apr 29 09:30:59 1993

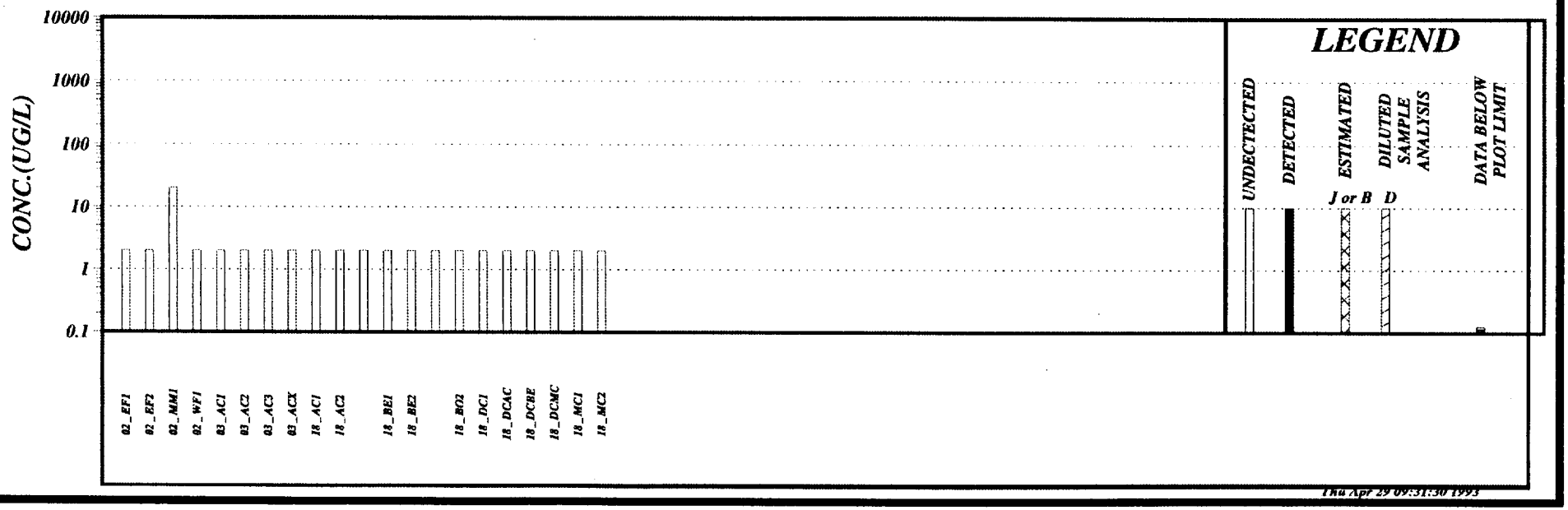
MCAS EL TORO Phase 1 RI Technical Memorandum

TOLUENE Concentration in Surface Runoff(09/15/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

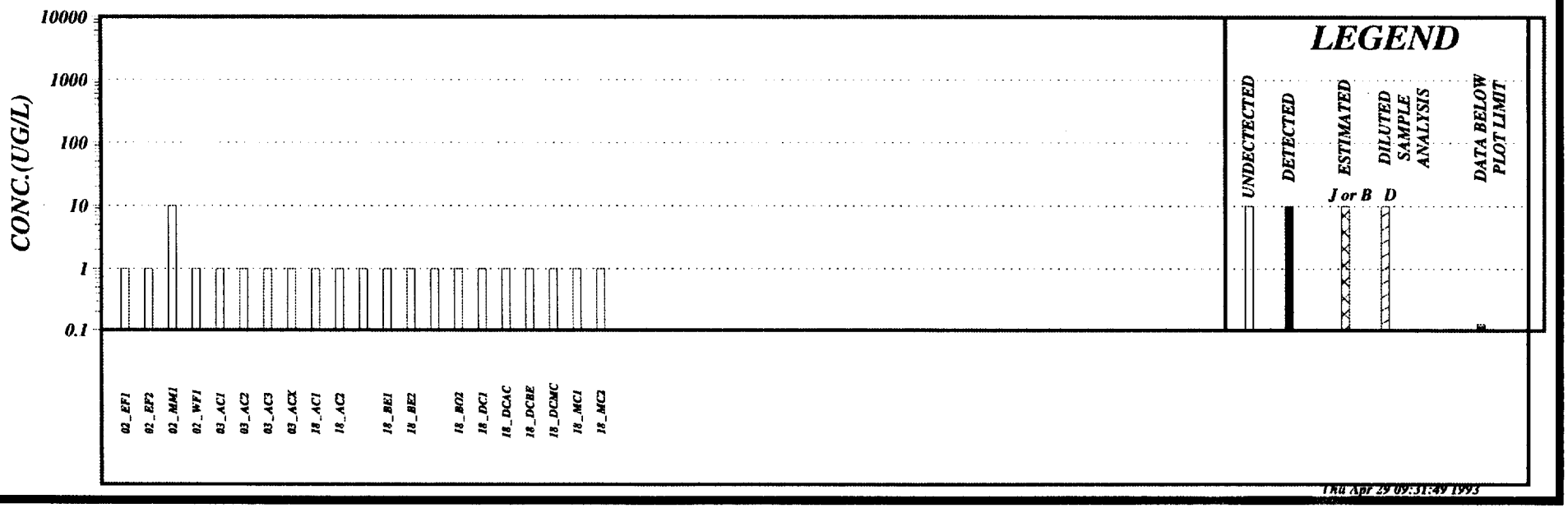
VINYL CHLORIDE Concentration in Surface Runoff(09/15/92-12/07/92)



Thu Apr 29 09:51:30 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

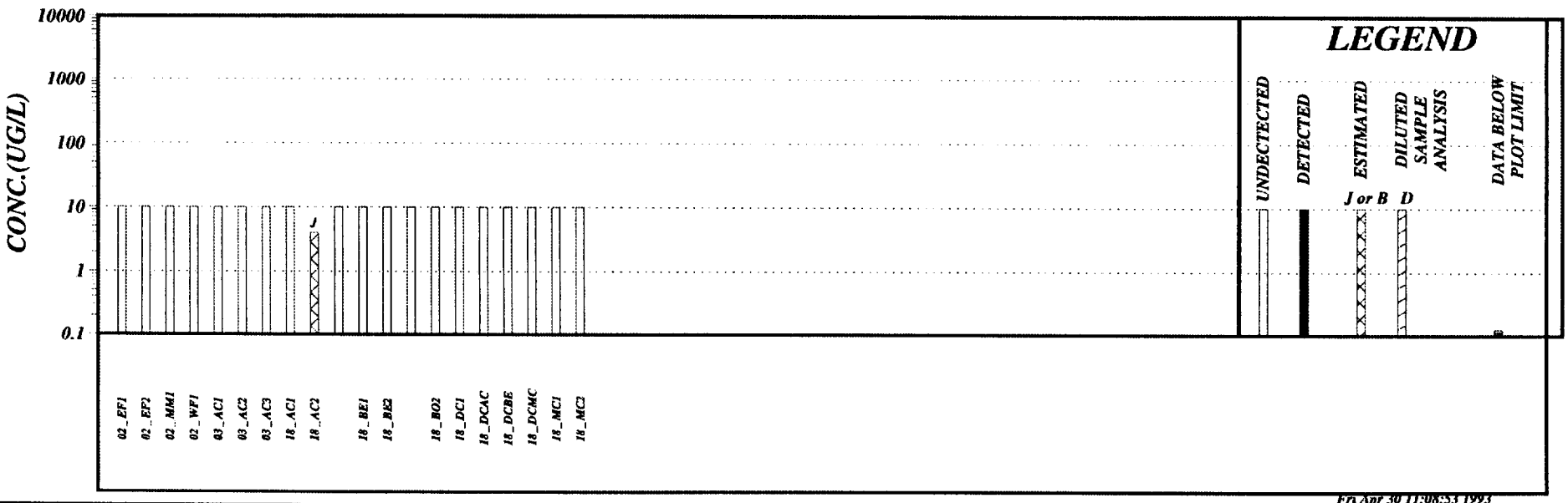
XYLENE (TOTAL) Concentration in Surface Runoff(09/15/92-12/07/92)



Thu Apr 29 09:31:49 1993

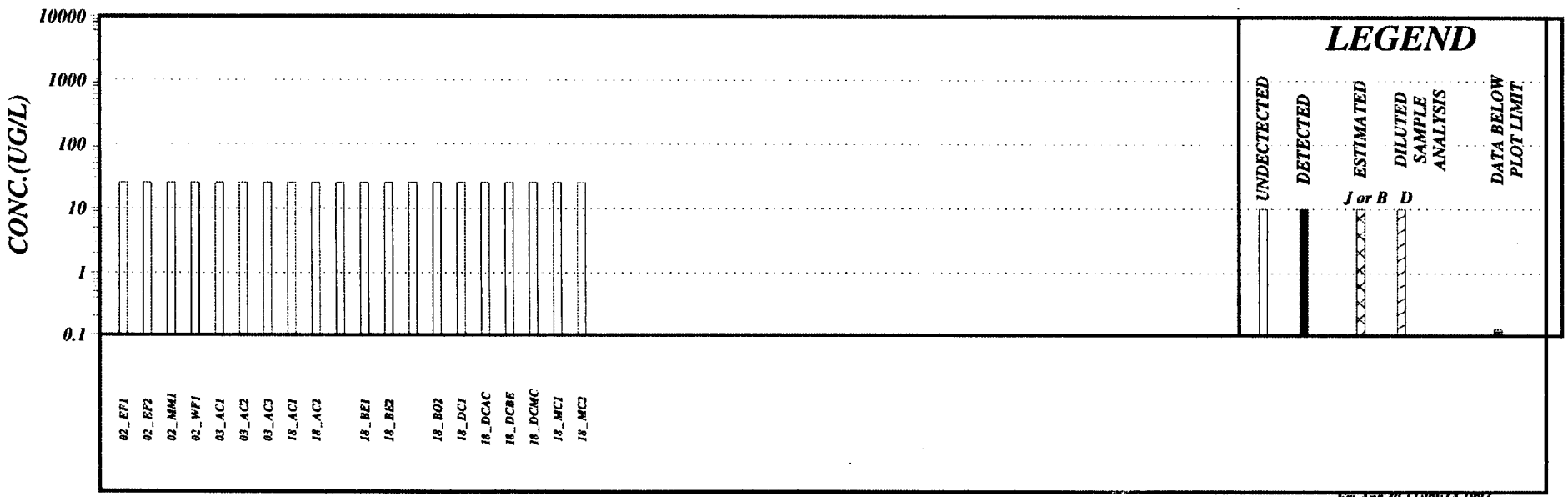
MCAS EL TORO Phase 1 RI Technical Memorandum

2-METHYLNAPHTHALENE Concentration in Surface Runoff(12/07/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

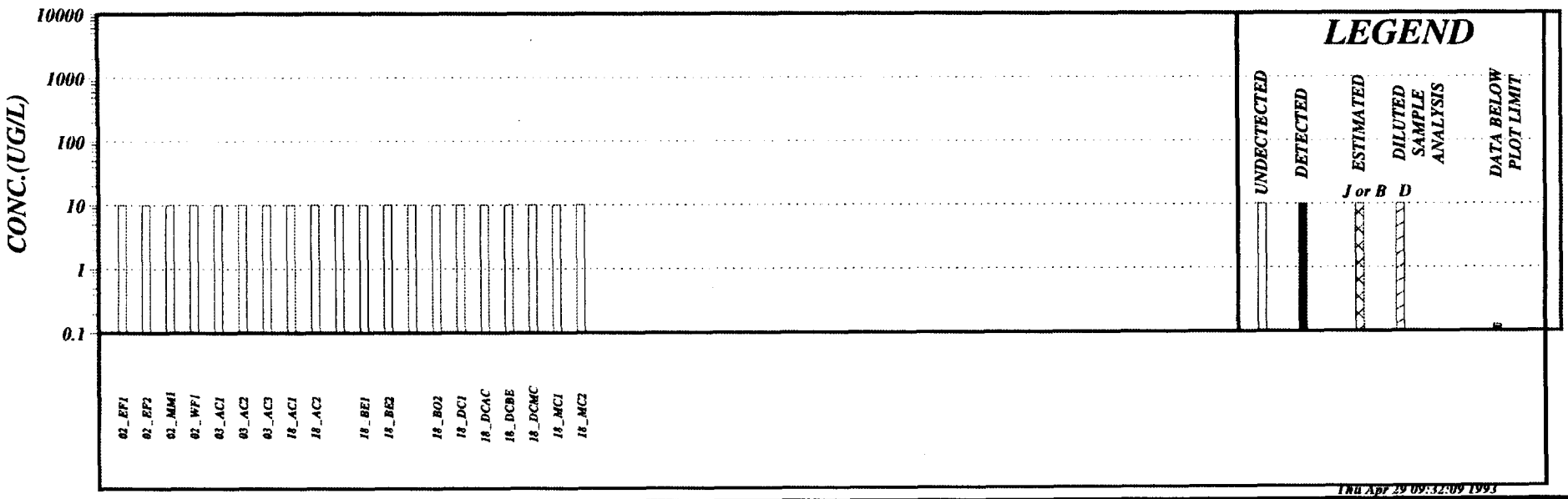
4-NITROPHENOL Concentration in Surface Runoff(12/07/92-12/07/92)



Fri Apr 30 11:09:14 1993

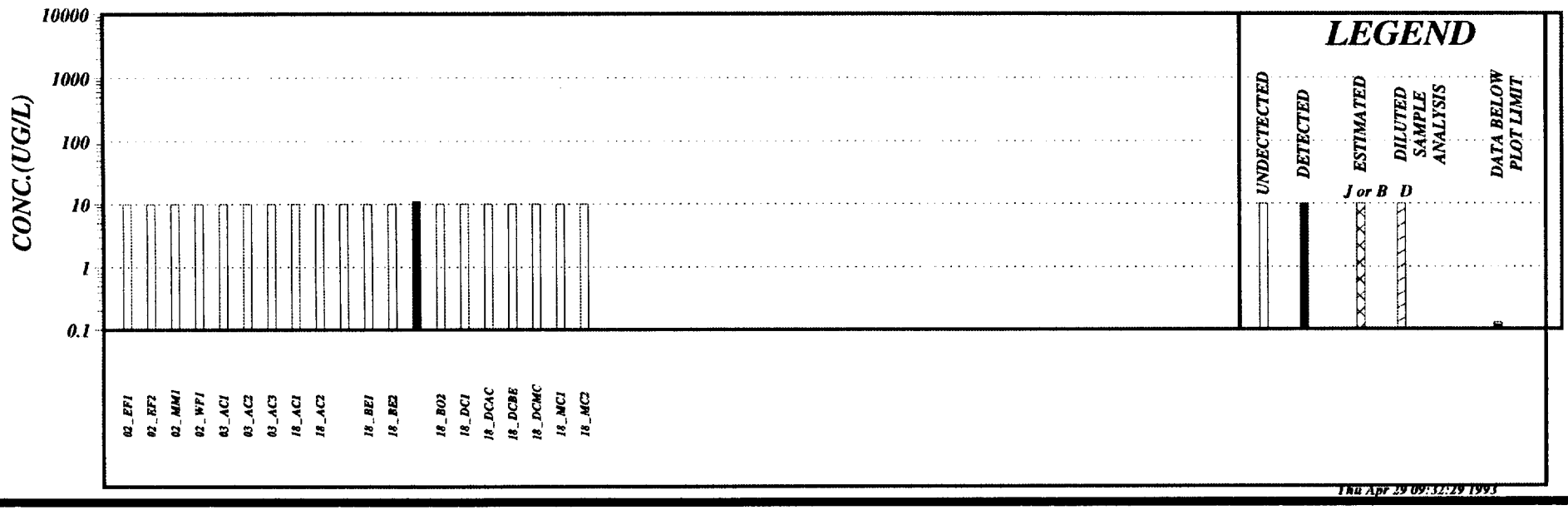
MCAS EL TORO Phase 1 RI Technical Memorandum

BENZYL BUTYL PHTHALATE Concentration in Surface Runoff(12/07/92-12/07/92)



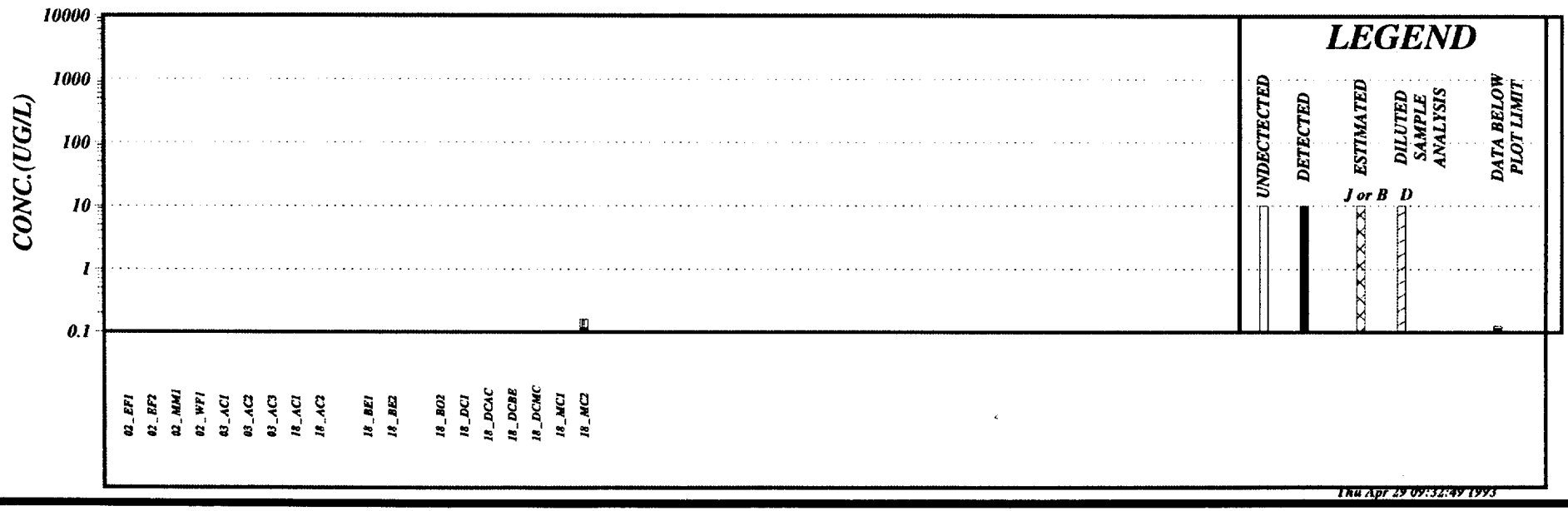
MCAS EL TORO Phase 1 RI Technical Memorandum

BIS(2-ETHYLHEXYL)PHTHALATE Concentration in Surface Runoff(12/07/92-12/07/92)



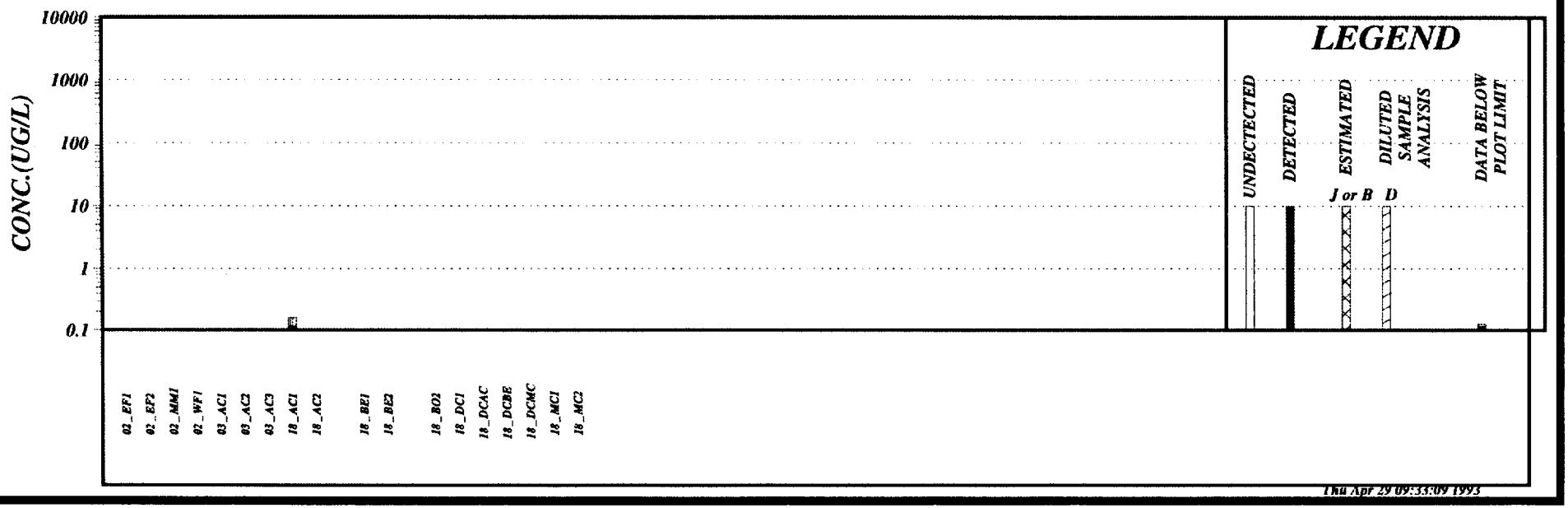
MCAS EL TORO Phase 1 RI Technical Memorandum

4,4'-DDE Concentration in Surface Runoff(12/07/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

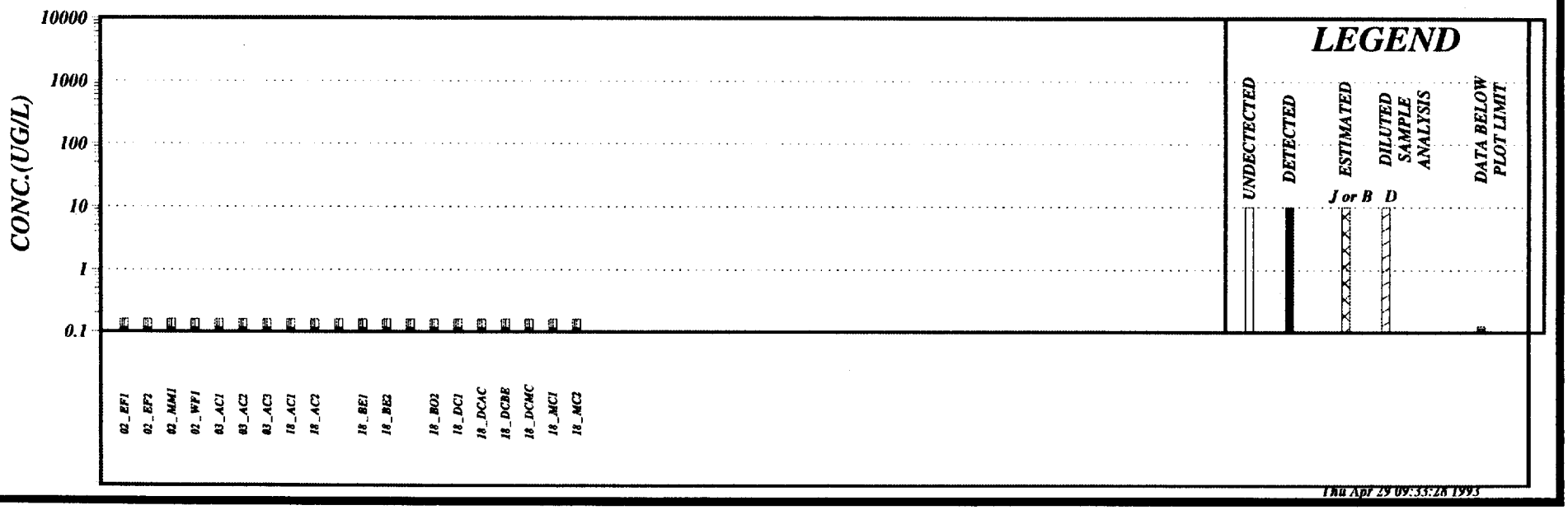
4,4'-DDT Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:33:09 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

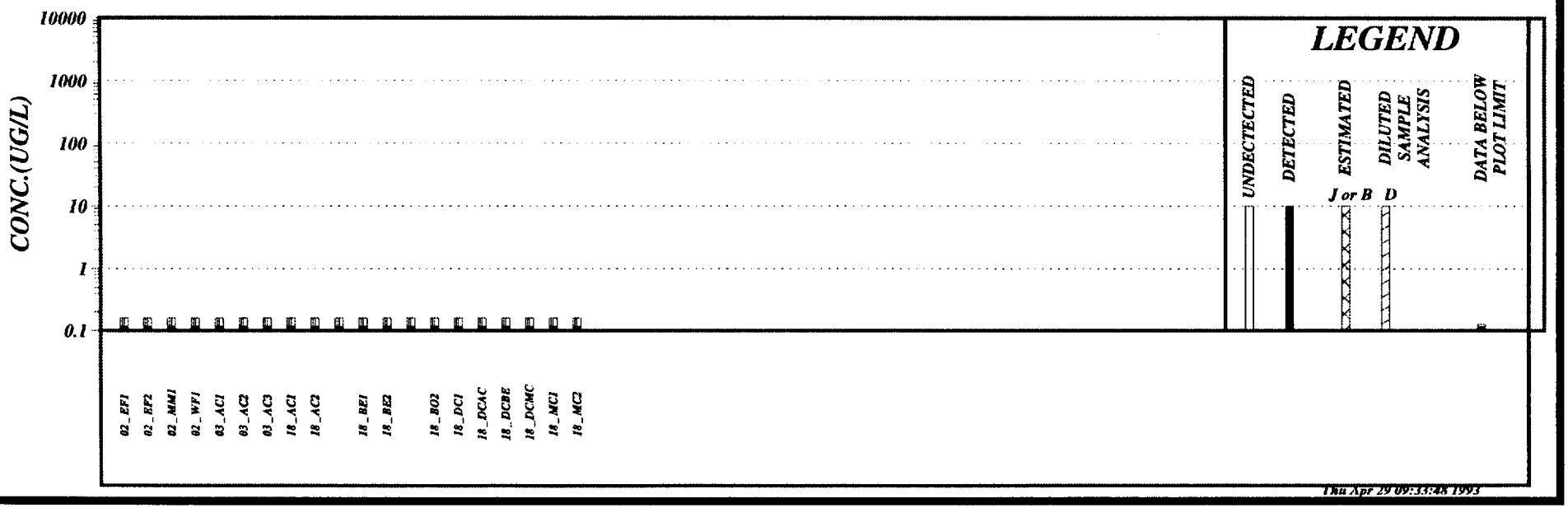
BHC-BETA Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:55:28 1993

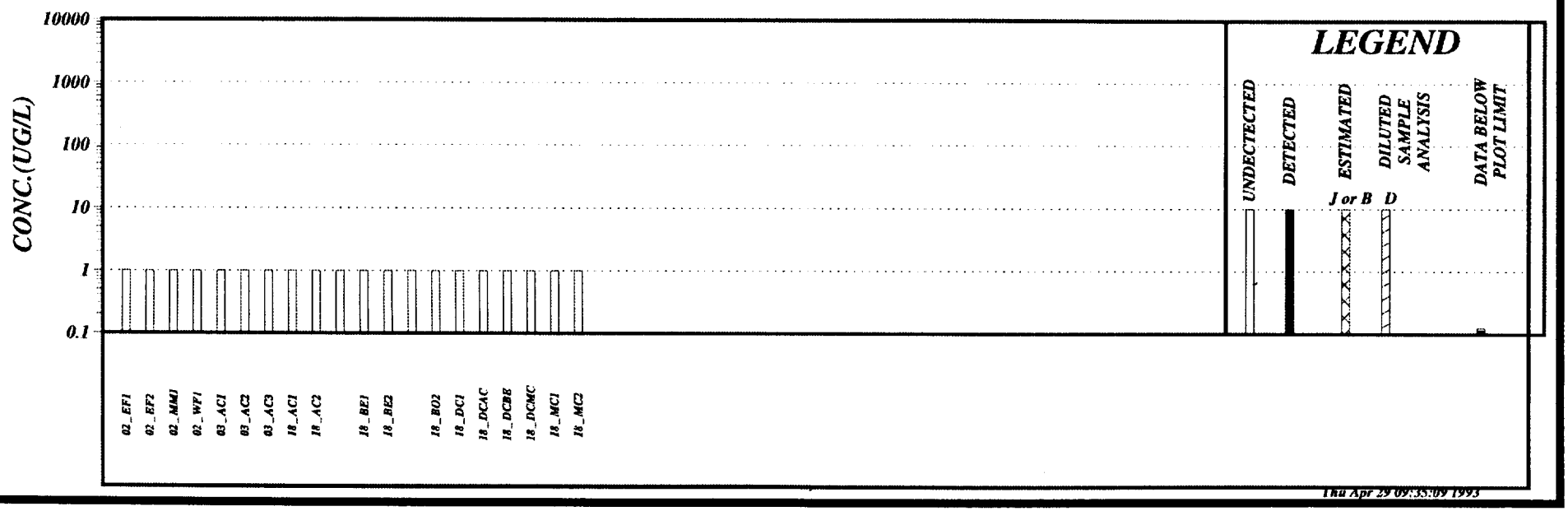
MCAS EL TORO Phase 1 RI Technical Memorandum

GAMMA-CHLORDANE Concentration in Surface Runoff(12/07/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

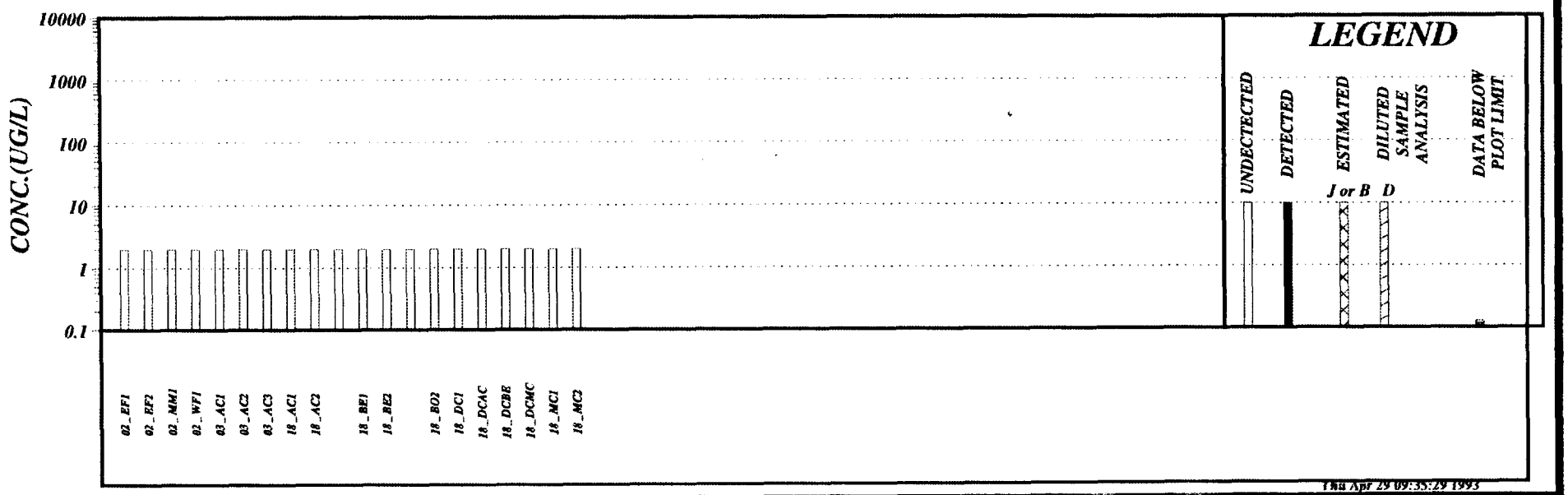
PCB-1016 Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:55:09 1993

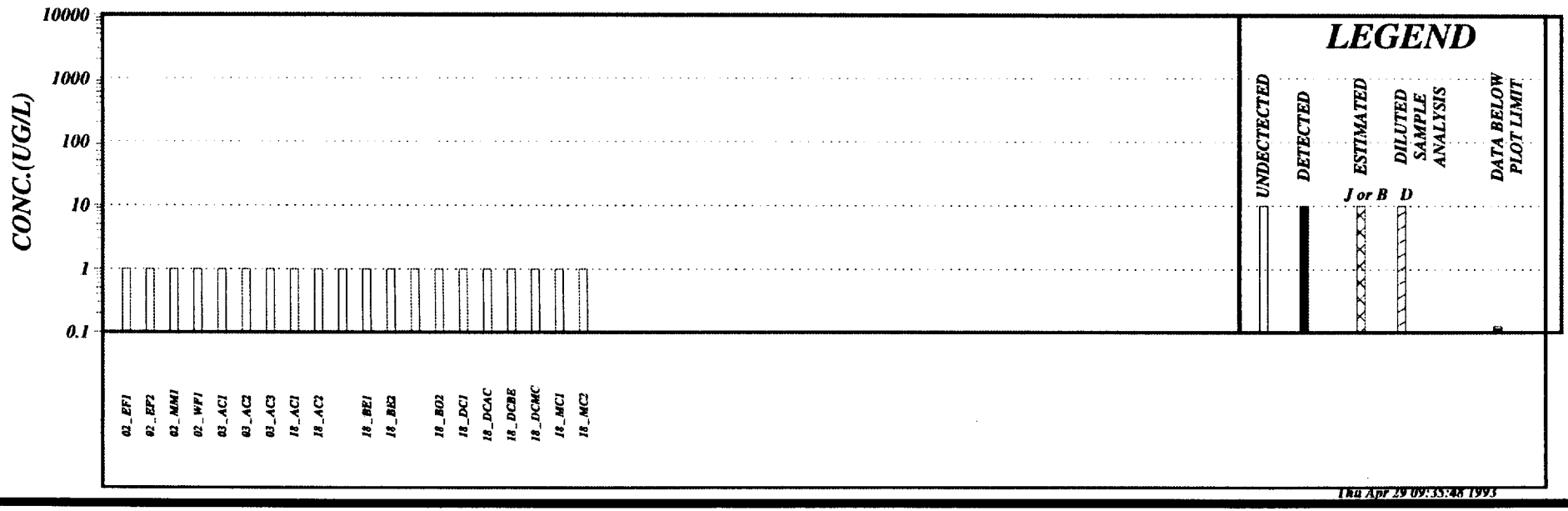
MCAS EL TORO Phase 1 RI Technical Memorandum

PCB-1221 Concentration in Surface Runoff(12/07/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

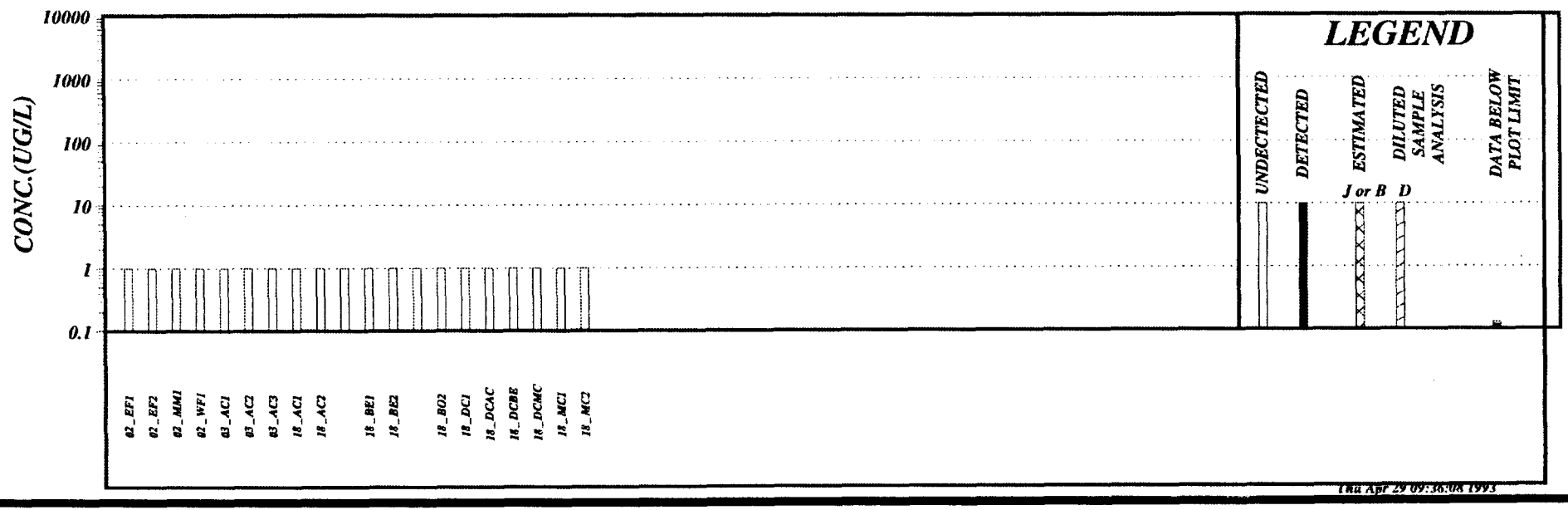
PCB-1232 Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:35:48 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

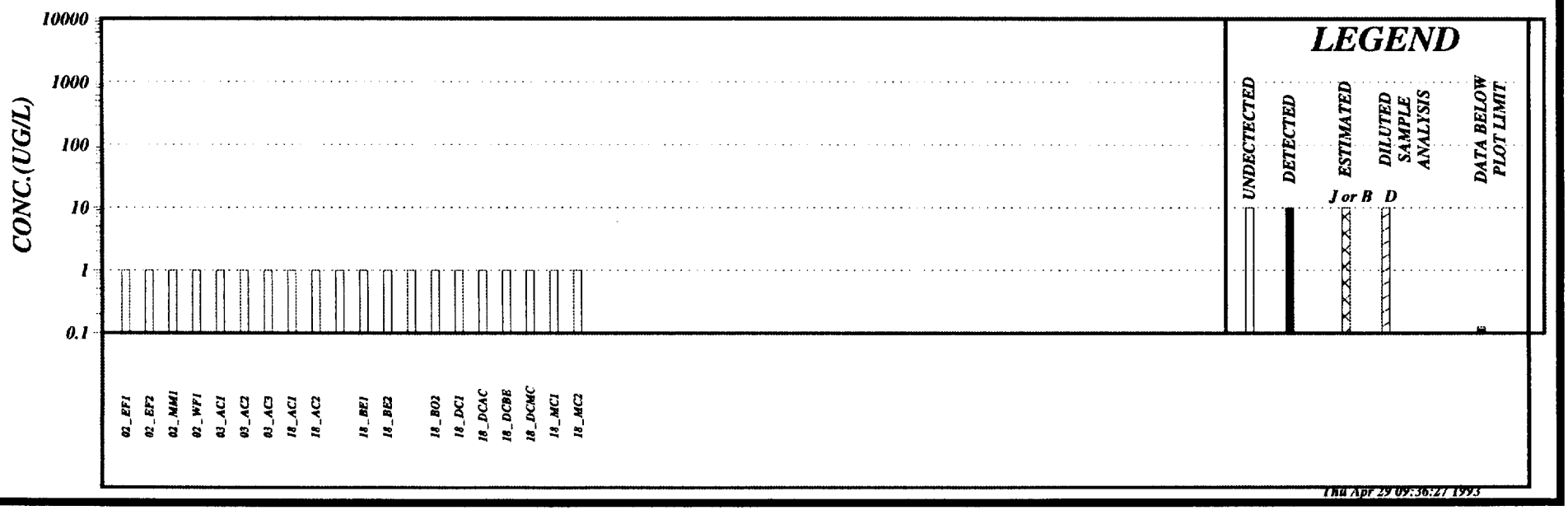
PCB-1242 Concentration in Surface Runoff(12/07/92-12/07/92)



Thu Apr 29 09:36:08 1993

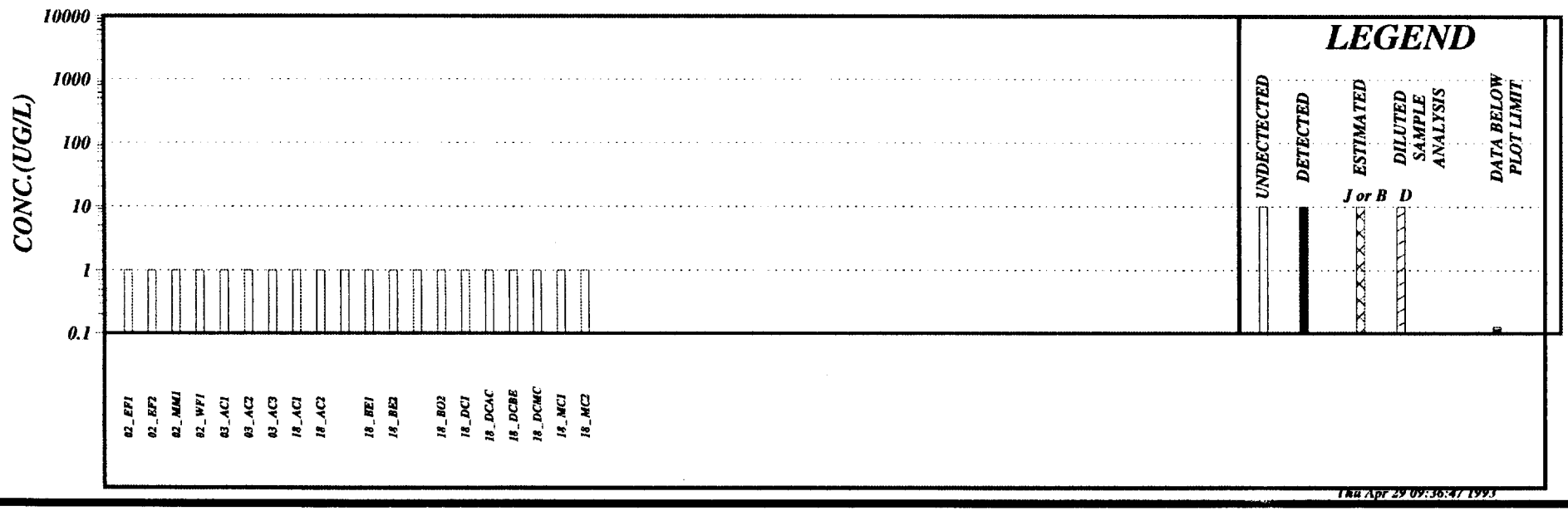
MCAS EL TORO Phase 1 RI Technical Memorandum

PCB-1248 Concentration in Surface Runoff(12/07/92-12/07/92)



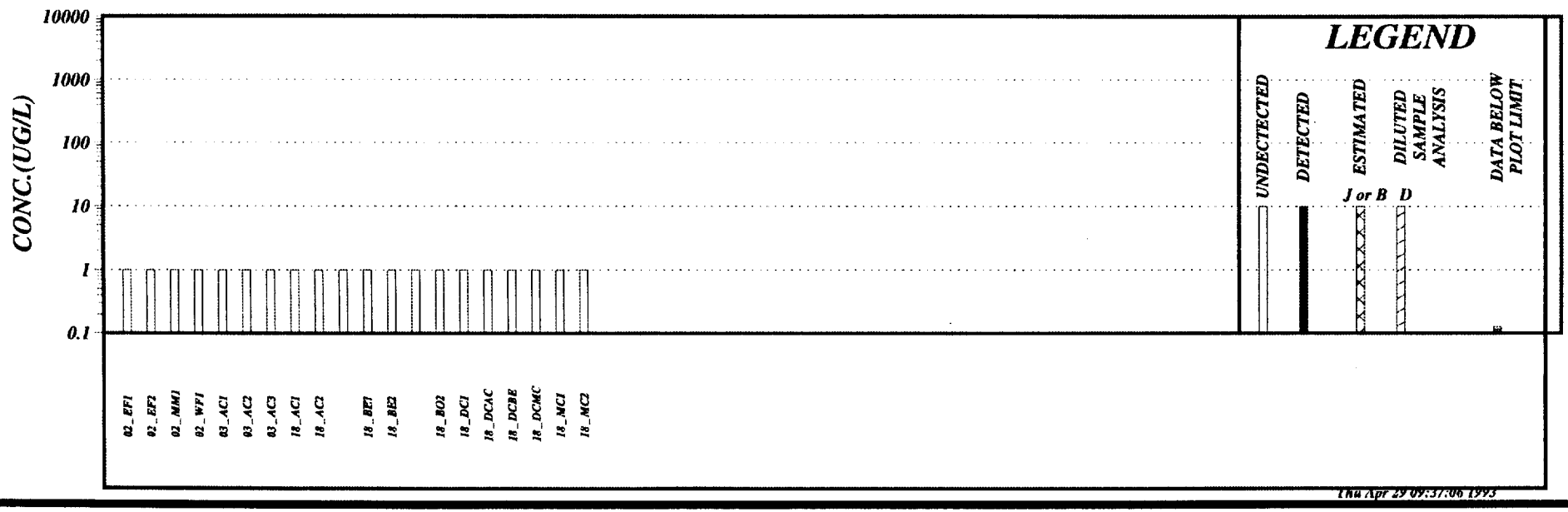
MCAS EL TORO Phase 1 RI Technical Memorandum

PCB-1254 Concentration in Surface Runoff(12/07/92-12/07/92)



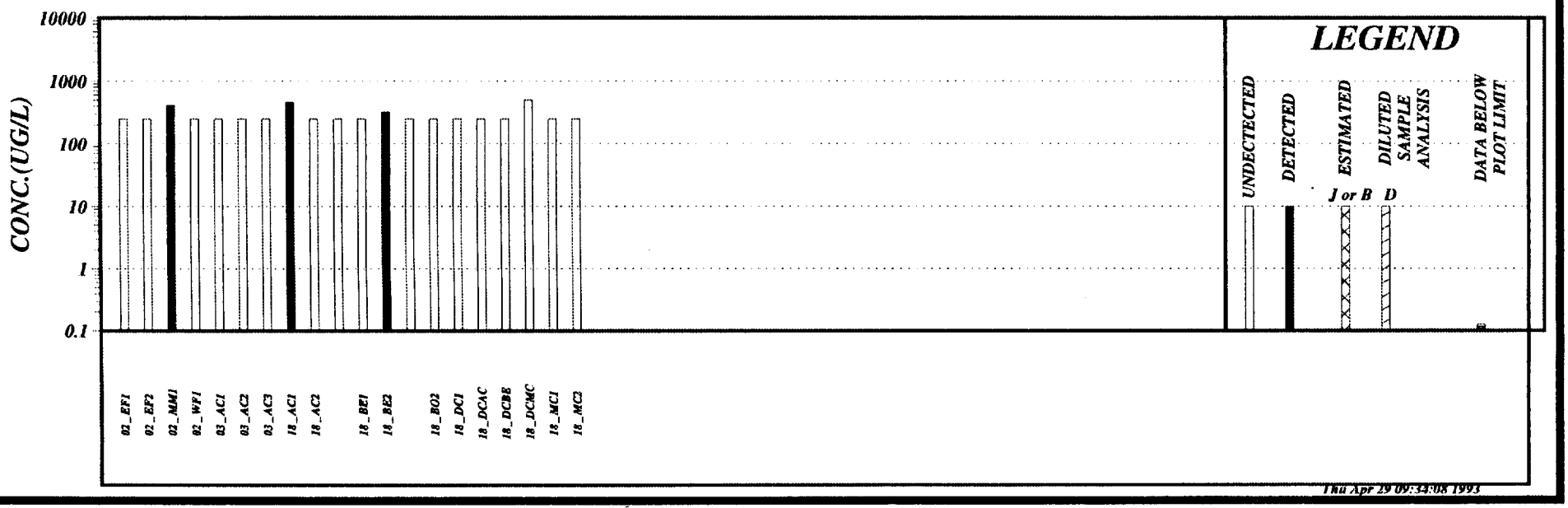
MCAS EL TORO Phase 1 RI Technical Memorandum

PCB-1260 Concentration in Surface Runoff(12/07/92-12/07/92)



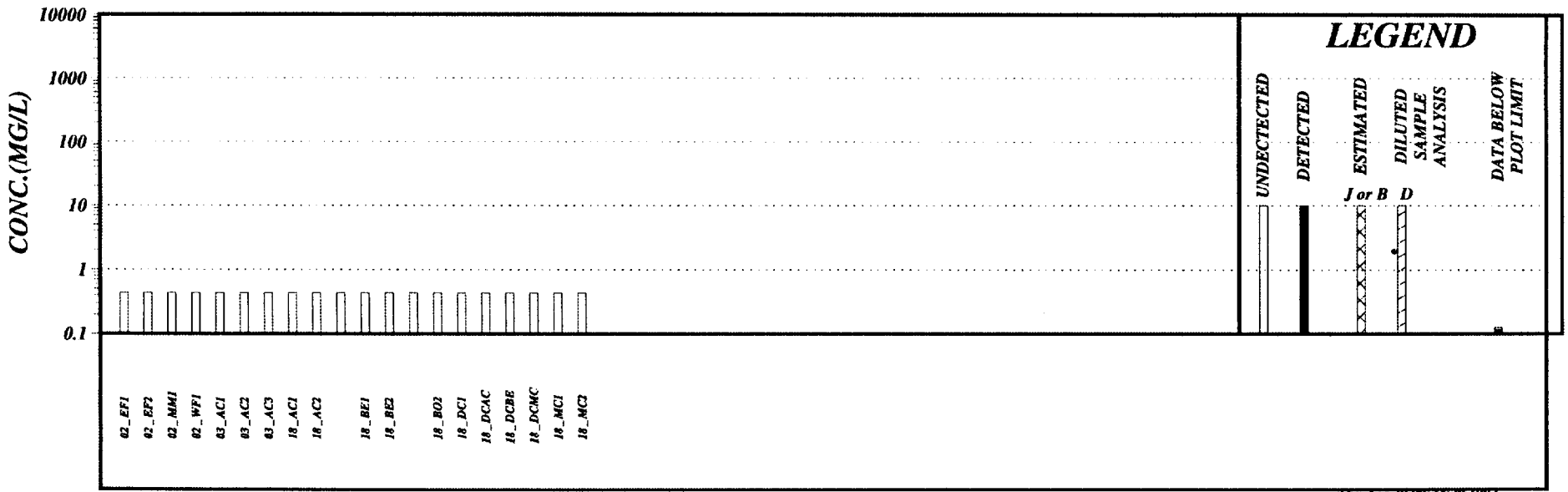
MCAS EL TORO Phase 1 RI Technical Memorandum

TPH DIESEL Concentration in Surface Runoff(12/07/92-12/07/92)



MCAS EL TORO Phase 1 RI Technical Memorandum

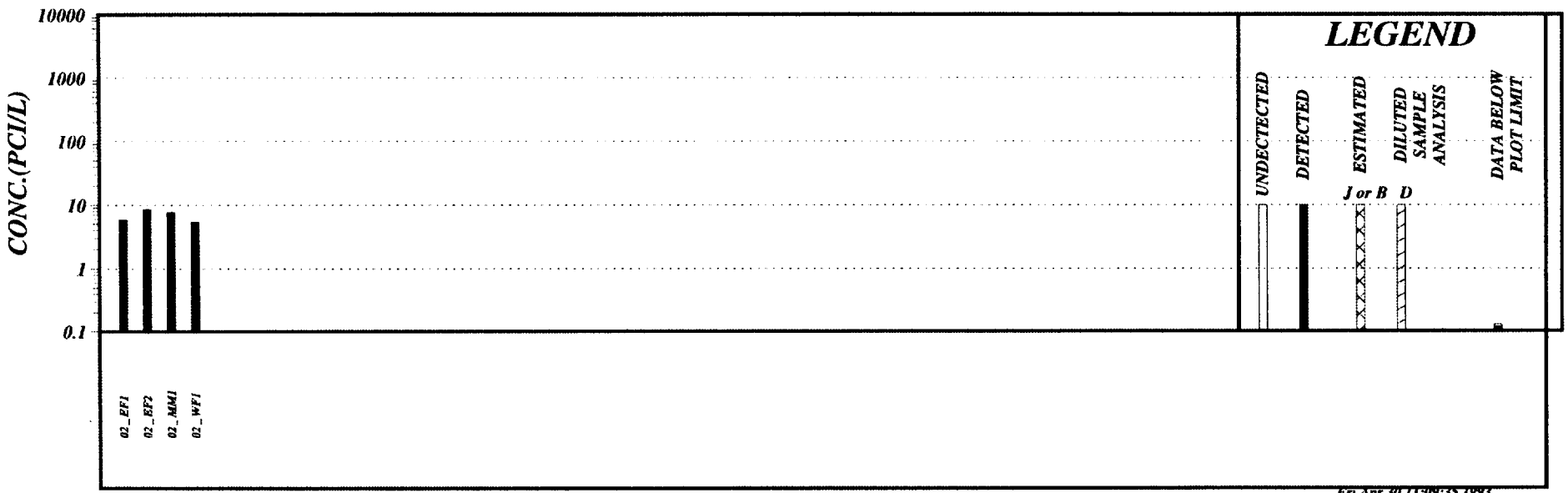
TOTAL RECOVERABLE PETROLEUM HYDROCARON Concentration in Surface Runoff(12/07/92-12



Thu Apr 29 09:34:30 1993

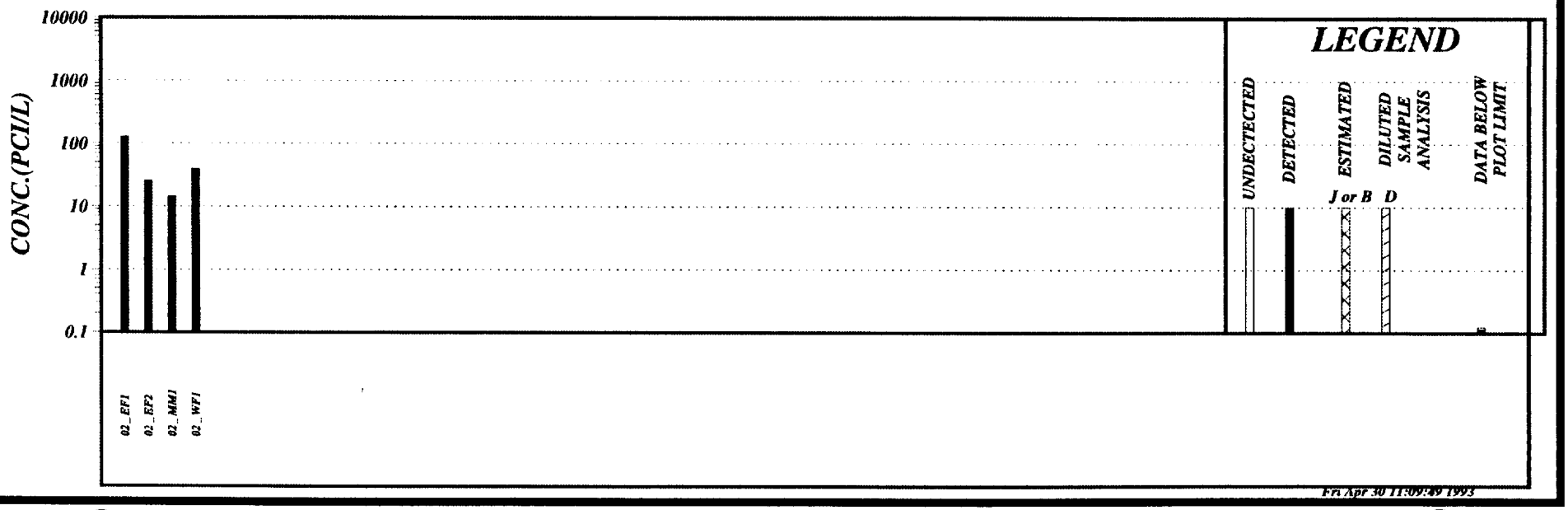
MCAS EL TORO Phase 1 RI Technical Memorandum

GROSS ALPHA Concentration in Surface Runoff(12/07/92-12/07/92)



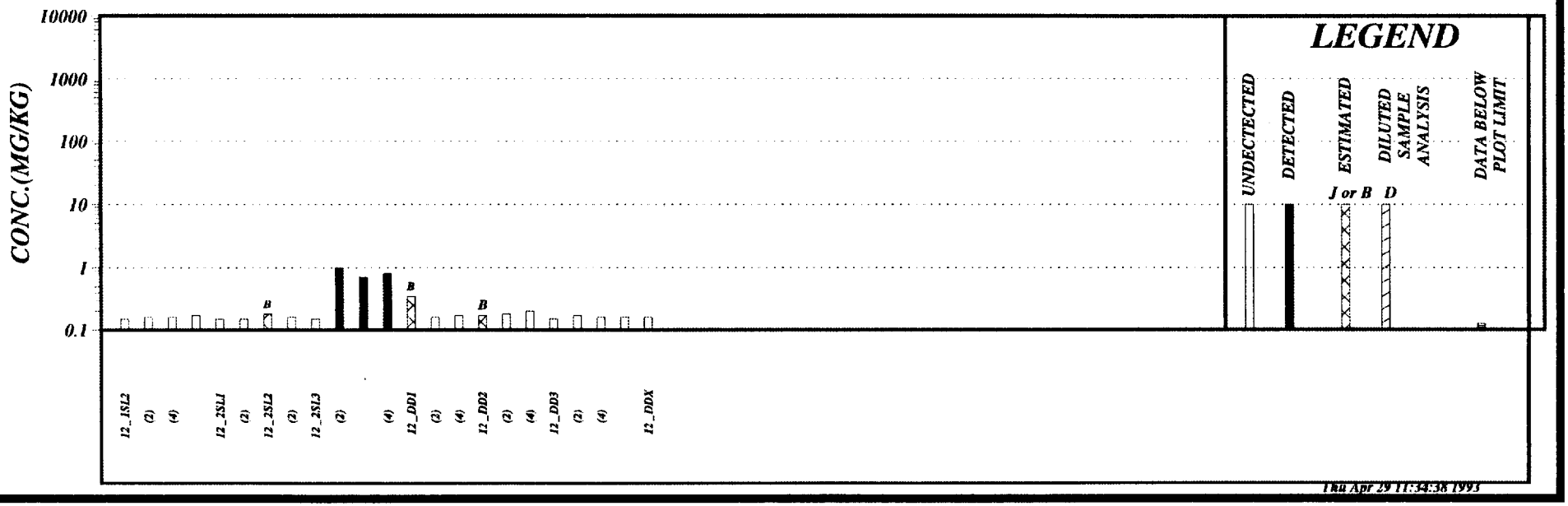
MCAS EL TORO Phase 1 RI Technical Memorandum

GROSS BETA Concentration in Surface Runoff(12/07/92-12/07/92)



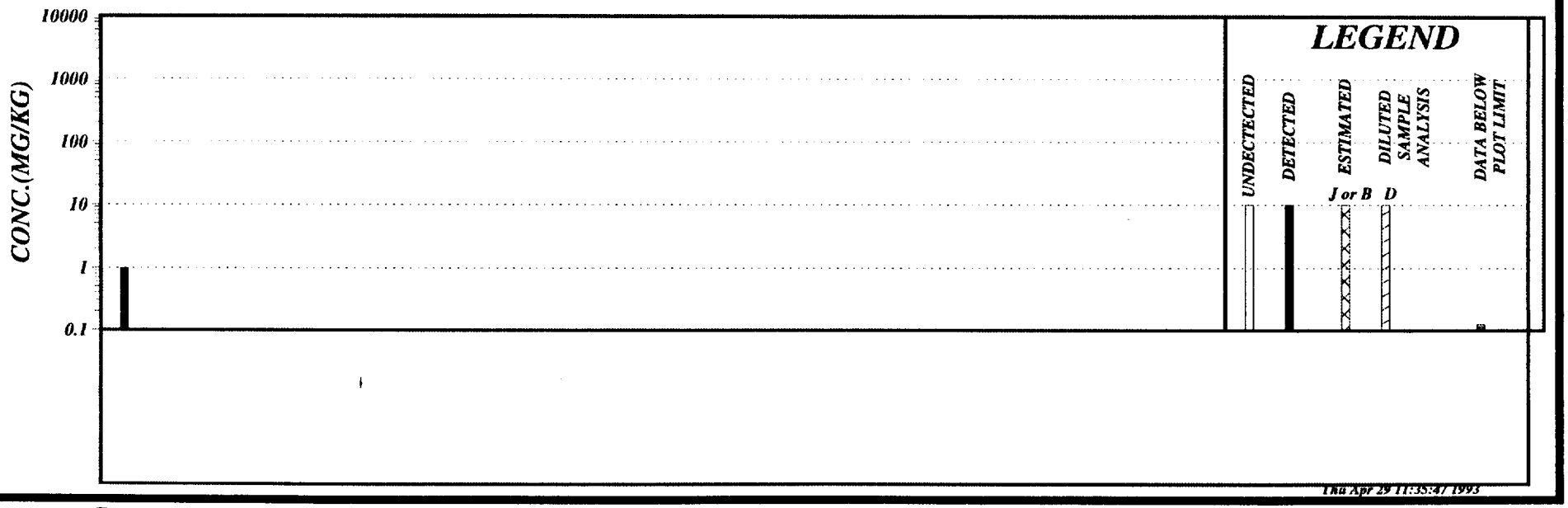
MCAS EL TORO Phase 1 RI Technical Memorandum

CYANIDE Concentration in Surface Soil & Sediments



MCAS EL TORO Phase 1 RI Technical Memorandum

NITRATE/NITRITE-N Concentration in Surface Soil & Sediments



MCAS EL TORO Phase 1 RI Technical Memorandum

TOTAL KJELDAHL NITROGEN (TKN) Concentration in Surface Soil & Sediments

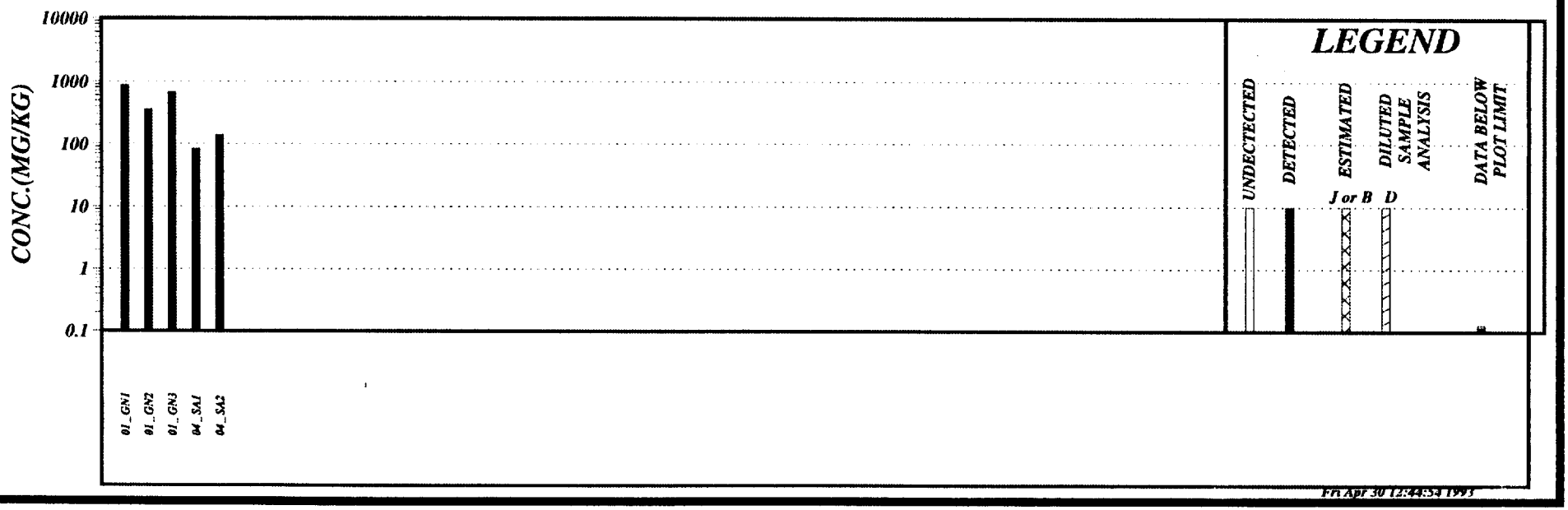


TABLE D1-2

MCAS El Toro Phase I RI Technical Memorandum

CHEMICALS SELECTED (BOLD LETTERS) FOR SURFACE SOILS & SEDIMENTS PLOTS

CHEMICAL NAME	UNITS	TOTAL NUMBER OF DATA POINTS	DATA ABOVE DETECTION LIMIT	CONCENTRATION				DETECT-ION LIMIT
				MINIMUM	FLAG	MAXIMUM	FLAG	
GENERAL CHEMISTRY								
AMMONIA-N	MG/KG	22	21	0.54	U	36		1.6
CYANIDE	MG/KG	23	6	0.15	U	1		3
MOISTURE	MG/KG	1	1	3.5		3.5		0
NITRATE AS N	MG/KG	3	3	0.65		1.53		0.04
NITRATE/NITRITE-N	MG/KG	1	1	0.99		0.99		0.58
TOTAL KJELDAHL NITROGEN (TKN)	MG/KG	5	5	84		874		50
METALS								
ALUMINUM	MG/KG	437	437	638		29800		31
ANTIMONY	MG/KG	437	25	2.4	U	11.1	b	12.1
ARSENIC	MG/KG	437	420	0.14	U	14.3		0.7
BARIUM	MG/KG	436	434	0.24	U	2610		0.1
BERYLLIUM	MG/KG	437	218	0.1	U	1.7		0.1
CADMIUM	MG/KG	437	383	0.24	U	108		0.24
CALCIUM	MG/KG	437	437	722	b	62200		103
CHROMIUM	MG/KG	437	437	0.84	b	365		3.7
COBALT	MG/KG	437	402	1.2	U	83.3		5.8
COPPER	MG/KG	437	416	0.18	U	226		0.9
IRON	MG/KG	436	435	12.1	U	42400		2.3
LEAD	MG/KG	437	437	0.01		2870		0.6
MAGNESIUM	MG/KG	437	437	308	b	17500		14.3
MANGANESE	MG/KG	437	437	30.6		797		0.8
MERCURY	MG/KG	437	88	0.01	U	15.1		0.1
NICKEL	MG/KG	437	377	1.5	U	138		7.7
POTASSIUM	MG/KG	437	426	254	b	8250		191
SELENIUM	MG/KG	437	86	0.1	U	1.4		0.5
SILVER	MG/KG	438	70	0.3	U	21.4		0.42
SODIUM	MG/KG	436	387	64.7	U	1790		12.4
THALLIUM	MG/KG	437	156	0.14	U	0.64	b	0.7
VANADIUM	MG/KG	437	437	3.4	b	800		1.9
ZINC	MG/KG	436	436	6		2070		2.2

TABLE D1-2

MCAS El Toro Phase I RI Technical Memorandum

CHEMICALS SELECTED (BOLD LETTERS) FOR SURFACE SOILS & SEDIMENTS PLOTS

CHEMICAL NAME	UNITS	TOTAL NUMBER OF DATA POINTS	DATA ABOVE DETECTION LIMIT	CONCENTRATION				DETECT-ION LIMIT
				MINIMUM	FLAG	MAXIMUM	FLAG	
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	UG/KG	408	2	6	J	9	J	10
1,1,2,2-TETRACHLOROETHANE	UG/KG	408	0	10	U	2800	U	10
1,1,2-TRICHLOROETHANE	UG/KG	408	0	10	U	2800	U	10
1,1-DICHLOROETHANE	UG/KG	408	0	10	U	2800	U	10
1,1-DICHLOROETHENE	UG/KG	408	0	10	U	2800	U	10
1,2-DICHLOROETHANE	UG/KG	408	0	10	U	2800	U	10
1,2-DICHLOROETHENE (TOTAL)	UG/KG	408	1	6	J	6	J	10
1,2-DICHLOROPROPANE	UG/KG	408	0	10	U	2800	U	10
2-BUTANONE	UG/KG	408	29	2	J	13000		10
2-HEXANONE	UG/KG	408	7	3	J	17		10
4-METHYL-2-PENTANONE	UG/KG	408	1	5	J	5	J	10
ACETONE	UG/KG	408	118	3	J	1100	J	10
BENZENE	UG/KG	408	3	4	J	30	J	10
BROMODICHLOROMETHANE	UG/KG	408	0	10	U	2800	U	10
BROMOFORM	UG/KG	408	0	10	U	2800	U	10
BROMOMETHANE (METHYL BROMIDE)	UG/KG	408	0	10	U	2800	U	10
CARBON DISULFIDE	UG/KG	408	1	2	J	2	J	10
CARBON TETRACHLORIDE	UG/KG	408	25	2	J	11		10
CHLOROBENZENE	UG/KG	408	0	10	U	2800	U	10
CHLORODIBROMOMETHANE	UG/KG	408	0	10	U	2800	U	10
CHLOROETHANE	UG/KG	408	0	10	U	2800	U	10
CHLOROFORM	UG/KG	408	0	10	U	2800	U	10
CHLOROMETHANE (METHYL CHLORIDE)	UG/KG	408	0	10	U	2800	U	10
CIS-1,3-DICHLOROPROPENE	UG/KG	408	0	10	U	2800	U	10
ETHYLBENZENE	UG/KG	408	6	2	J	3600		10
METHYLENE CHLORIDE	UG/KG	408	23	1	U	380	B	10
STYRENE	UG/KG	408	0	10	U	2800	U	10
TETRACHLOROETHENE	UG/KG	408	3	4	J	19		10
TOLUENE	UG/KG	408	157	2	J	3400		10
TRANS-1,3-DICHLOROPROPENE	UG/KG	408	0	10	U	2800	U	10
TRICHLOROETHYLENE	UG/KG	408	1	3	J	3	J	10
VINYL CHLORIDE	UG/KG	408	0	10	U	2800	U	10
XYLENE (TOTAL)	UG/KG	408	10	2	J	23000		10

TABLE D1-2

MCAS El Toro Phase I RI Technical Memorandum

CHEMICALS SELECTED (BOLD LETTERS) FOR SURFACE SOILS & SEDIMENTS PLOTS

CHEMICAL NAME	UNITS	TOTAL NUMBER OF DATA POINTS	DATA ABOVE DETECTION LIMIT	CONCENTRATION				DETECT-ION LIMIT
				MINIMUM	FLAG	MAXIMUM	FLAG	
SEMIVOLATILE ORGANIC COMPOUNDS								
1,2,4-TRICHLOROBENZENE	UG/KG	412	0	660	U	23000	U	670
1,2-DICHLOROBENZENE	UG/KG	412	0	660	U	23000	U	670
1,3-DICHLOROBENZENE	UG/KG	412	0	660	U	23000	U	670
1,4-DICHLOROBENZENE	UG/KG	412	0	660	U	23000	U	670
2,4,5-TRICHLOROPHENOL	UG/KG	412	0	1600	U	56000	U	1600
2,4,6-TRICHLOROPHENOL	UG/KG	412	0	660	U	23000	U	670
2,4-DICHLOROPHENOL	UG/KG	412	0	660	U	23000	U	670
2,4-DIMETHYLPHENOL	UG/KG	412	1	660	U	6000	J	670
2,4-DINITROPHENOL	UG/KG	412	0	1600	U	56000	U	1600
2,4-DINITROTOLUENE	UG/KG	412	0	660	U	23000	U	670
2,6-DINITROTOLUENE	UG/KG	412	0	660	U	23000	U	670
2-CHLORONAPHTHALENE	UG/KG	412	0	660	U	23000	U	670
2-CHLOROPHENOL	UG/KG	412	0	660	U	23000	U	670
2-METHYLNAPHTHALENE	UG/KG	412	10	150	J	29000		670
2-METHYLPHENOL	UG/KG	412	0	660	U	23000	U	670
2-NITROANILINE	UG/KG	412	0	1600	U	56000	U	1600
2-NITROPHENOL	UG/KG	412	0	660	U	23000	U	670
2-PENTANONE,4-HYDROXY-4-METHYL	UG/KG	1	0	13000	U	13000	U	13000
3,3'-DICHLOROBENZIDINE	UG/KG	412	0	660	U	23000	U	670
3-NITROANILINE	UG/KG	412	0	1600	U	56000	U	1600
4,6-DINITRO-2-METHYLPHENOL	UG/KG	412	0	1600	U	56000	U	1600
4-BROMOPHENYL PHENYL ETHER	UG/KG	412	0	660	U	23000	U	670
4-CHLORO-3-METHYLPHENOL	UG/KG	412	0	660	U	23000	U	670
4-CHLOROANILINE	UG/KG	412	0	660	U	23000	U	670
4-CHLOROPHENYL PHENYL ETHER	UG/KG	412	0	660	U	23000	U	670
4-METHYLPHENOL	UG/KG	412	5	220	J	34000		670
4-NITROANILINE	UG/KG	412	0	1600	U	56000	U	1600
4-NITROPHENOL	UG/KG	412	0	1600	U	56000	U	1600
ACENAPHTHENE	UG/KG	412	6	420	J	1200		670
ACENAPHTHYLENE	UG/KG	412	2	170	J	250	J	670
ANTHRACENE	UG/KG	412	9	180	J	1900		670
BENZO(A)ANTHRACENE	UG/KG	412	21	150	J	2200		670
BENZO(A)PYRENE	UG/KG	412	30	150	J	3100		670
BENZO(B)FLUORANTHENE	UG/KG	412	27	140	J	3800		670
BENZO(GHI)PERYLENE	UG/KG	412	25	140	J	6900		670
BENZO(K)FLUORANTHENE	UG/KG	412	26	160	J	3100		670
BENZYL BUTYL PHTHALATE	UG/KG	412	18	140	J	1900		670
BIS(2-CHLOROETHOXY) METHANE	UG/KG	412	0	660	U	23000	U	670
BIS(2-CHLOROETHYL)ETHER	UG/KG	412	0	660	U	23000	U	670
BIS(2-CHLOROISOPROPYL) ETHER	UG/KG	412	0	660	U	23000	U	670
BIS(2-ETHYLHEXYL)PHTHALATE	UG/KG	412	57	150	J	84000	J	670
CARBAZOLE	UG/KG	412	14	150	J	2800		670
CHRYSENE	UG/KG	412	31	160	J	3600		670

TABLE D1-2

MCAS El Toro Phase I RI Technical Memorandum

CHEMICALS SELECTED (BOLD LETTERS) FOR SURFACE SOILS & SEDIMENTS PLOTS

CHEMICAL NAME	UNITS	TOTAL NUMBER OF DATA POINTS	DATA ABOVE DETECTION LIMIT	CONCENTRATION				DETECT -ION LIMIT
				MINIMUM	FLAG	MAXIMUM	FLAG	
SEMIVOLATILE ORGANIC COMPOUNDS continued								
DI-N-BUTYL PHTHALATE	UG/KG	412	4	200	J	1400		670
DI-N-OCTYL PHTHALATE	UG/KG	412	0	660	U	23000	U	670
DIBENZO(A,H)ANTHRACENE	UG/KG	412	9	130	J	640	J	670
DIBENZOFURAN	UG/KG	412	7	360	J	990		670
DIETHYL PHTHALATE	UG/KG	412	2	240	J	240	J	670
DIMETHYL PHTHALATE	UG/KG	412	2	330	J	360	J	670
FLUORANTHENE	UG/KG	412	37	140	J	10000		670
FLUORENE	UG/KG	412	8	230	J	2000		670
HEXACHLOROBENZENE	UG/KG	412	0	660	U	23000	U	670
HEXACHLOROBUTADIENE	UG/KG	412	0	660	U	23000	U	670
HEXACHLOROCYCLOPENTADIENE	UG/KG	412	0	660	U	23000	U	670
HEXACHLOROETHANE	UG/KG	412	1	140	J	140	J	670
INDENO(1,2,3-CD)PYRENE	UG/KG	412	27	150	J	1500		670
ISOPHORONE	UG/KG	412	1	660	U	7100	J	670
N-NITROSODIPHENYLAMINE	UG/KG	412	0	660	U	23000	U	670
N-NITROSODIPROPYLAMINE	UG/KG	412	0	660	U	23000	U	670
NAPHTHALENE	UG/KG	410	11	150	J	33000	D	670
NITROBENZENE	UG/KG	412	0	660	U	23000	U	670
PENTACHLOROPHENOL	UG/KG	412	0	1600	U	56000	U	1600
PHENANTHRENE	UG/KG	412	33	160	J	14000		670
PHENOL	UG/KG	412	1	270	J	270	J	670
PYRENE	UG/KG	412	42	140	J	9600	J	670
UNKNOWN C20H12 PAH	UG/KG	1	1	1700	J	1700	J	0
UNKNOWN HYDROCARBON	UG/KG	1	1	34000	J	34000	J	0
PESTICIDES AND PCBs								
4,4'-DDD	UG/KG	269	54	0.84	J	1190	J	3.31
4,4'-DDE	UG/KG	269	56	0.64	J	281	J	3.31
4,4'-DDT	UG/KG	269	83	0.45	J	3650	J	3.31
ALDRIN	UG/KG	269	2	1.7	U	3.01	J	1.71
ALPHA-CHLORDANE	UG/KG	269	20	1.7	U	453		1.71
BHC-ALPHA	UG/KG	269	3	0.29	J	40.6	J	1.71
BHC-BETA	UG/KG	269	0	1.7	U	176	U	1.71
BHC-DELTA	UG/KG	269	5	1.7	U	22	J	1.71
BHC-GAMMA(LINDANE)	UG/KG	269	1	0.14		0.14		1.71
DECACHLOROBIPHENYL	%	3	3	56.1		220.8		0
DECACHLOROBIPHENYL	UG/KG	1	0	0	U	0	U	0
DIELDRIN	UG/KG	269	25	0.19		836		3.31
ENDOSULFAN I	UG/KG	269	4	0.76	J	63.5	J	1.71
ENDOSULFAN II	UG/KG	269	15	3.29	U	134		3.31
ENDOSULFAN SULFATE	UG/KG	269	16	0.47		117	J	3.31
ENDRIN	UG/KG	269	10	0.3		216		3.31
ENDRIN ALDEHYDE	UG/KG	248	18	1.79	J	292		3.7
ENDRIN KETONE	UG/KG	269	13	0.52	J	137	J	3.31

TABLE D1-2

MCAS El Toro Phase I RI Technical Memorandum

CHEMICALS SELECTED (BOLD LETTERS) FOR SURFACE SOILS & SEDIMENTS PLOTS

CHEMICAL NAME	UNITS	TOTAL NUMBER OF DATA POINTS	DATA ABOVE DETECTION LIMIT	CONCENTRATION				DETECT -ION LIMIT
				MINIMUM	FLAG	MAXIMUM	FLAG	
PESTICIDES AND PCBs continued								
GAMMA-CHLORDANE	UG/KG	269	31	0.22		93.1	J	1.71
HEPTACHLOR	UG/KG	269	0	1.7	U	176	U	1.71
HEPTACHLOR EPOXIDE	UG/KG	269	1	1.7	U	2.91	J	1.71
METHOXYCHLOR	UG/KG	269	8	1.55	J	175		17.1
PCB-1016	UG/KG	269	0	32.9	U	3420	U	33.1
PCB-1221	UG/KG	269	0	66.9	U	6950	U	67.2
PCB-1232	UG/KG	269	0	32.9	U	3420	U	33.1
PCB-1242	UG/KG	269	0	32.9	U	3420	U	33.1
PCB-1248	UG/KG	269	3	32.9	U	17800		33.1
PCB-1254	UG/KG	265	18	0.63	J	20400		33.1
PCB-1260	UG/KG	269	9	32.9	U	4960		33.1
POLYCHLORINATED BIPHENYLS	UG/KG	4	0	168	U	186	U	186
TETRACHLORO-M-XYLENE	%	3	3	61.5		66.6		0
TETRACHLORO-M-XYLENE	UG/KG	1	0	0	U	0	U	0
TOXAPHENE	UG/KG	269	0	170	U	17600	U	171
DIOXINS AND FURANS								
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-D	NG/G	9	0	0.02	U	0.12	U	0.02
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURA	NG/G	9	0	0.01	U	0.04	U	0.01
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURA	NG/G	9	0	0.02	U	0.07	U	0.02
1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOX	NG/G	9	0	0.01	U	0.09	U	0.01
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	NG/G	9	0	0.01	U	0.05	U	0.01
1,2,3,6,7,8-HEXACHLORODIBENZO	NG/G	9	0	0.02	U	0.09	U	0.02
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	NG/G	9	0	0.01	U	0.05	U	0.01
1,2,3,7,8,9-HEXACHLORODIBENZO-p-DIOX	NG/G	9	0	0.01	U	0.06	U	0.01
1,2,3,7,8,9-HEXACHLORODIBENZOFURANS	NG/G	9	0	0.01	U	0.06	U	0.01
1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXI	NG/G	9	0	0.01	U	0.03	U	0.01
1,2,3,7,8-PENTACHLORODIBENZOFURAN	NG/G	9	0	0	U	0.02	U	0
2,3,4,7,8-PENTACHLORODIBENZOFURAN	NG/G	9	0	0	U	0.05	U	0
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	NG/G	9	0	0.01	U	0.04	U	0.01
2,3,7,8-TETRACHLORODIBENZOFURAN	NG/G	9	0	0	U	0.01	U	0.01
HEPTACHLORODIBENZO-P-DIOXINS	NG/G	9	0	0.02	U	0.12	U	0.02
HEPTACHLORODIBENZOFURANS	NG/G	9	0	0.02	U	0.07	U	0.02
HEXACHLORODIBENZOFURANS	NG/G	9	0	0.01	U	0.06	U	0.01
HEXACHLORODIBENZOFURNS	NG/G	9	0	0.01	U	0.04	U	0.01
HEXACHLORODIBENZPO-P-DIOXINS	NG/G	9	0	0.02	U	0.09	U	0.02
OCTACHLORODIBENZO-P-DIOXINS	NG/G	9	1	0.05	U	1		0.05
OCTACHLORODIBENZOFURAN	NG/G	9	0	0.01	U	0.14	U	0.04
PENTACHLORODIBENZO-P-DIOXINS	NG/G	9	0	0.01	U	0.03	U	0.01
PENTACHLORODIBENZOFURANS	NG/G	9	0	0	U	0.05	U	0
TETRACHLORODIBENZO-P-DIOXINS	NG/G	9	0	0.01	U	0.04	U	0.01
TETRACHLORODIBENZOFURANS	NG/G	9	0	0	U	0.01	U	0.01

TABLE D1-2

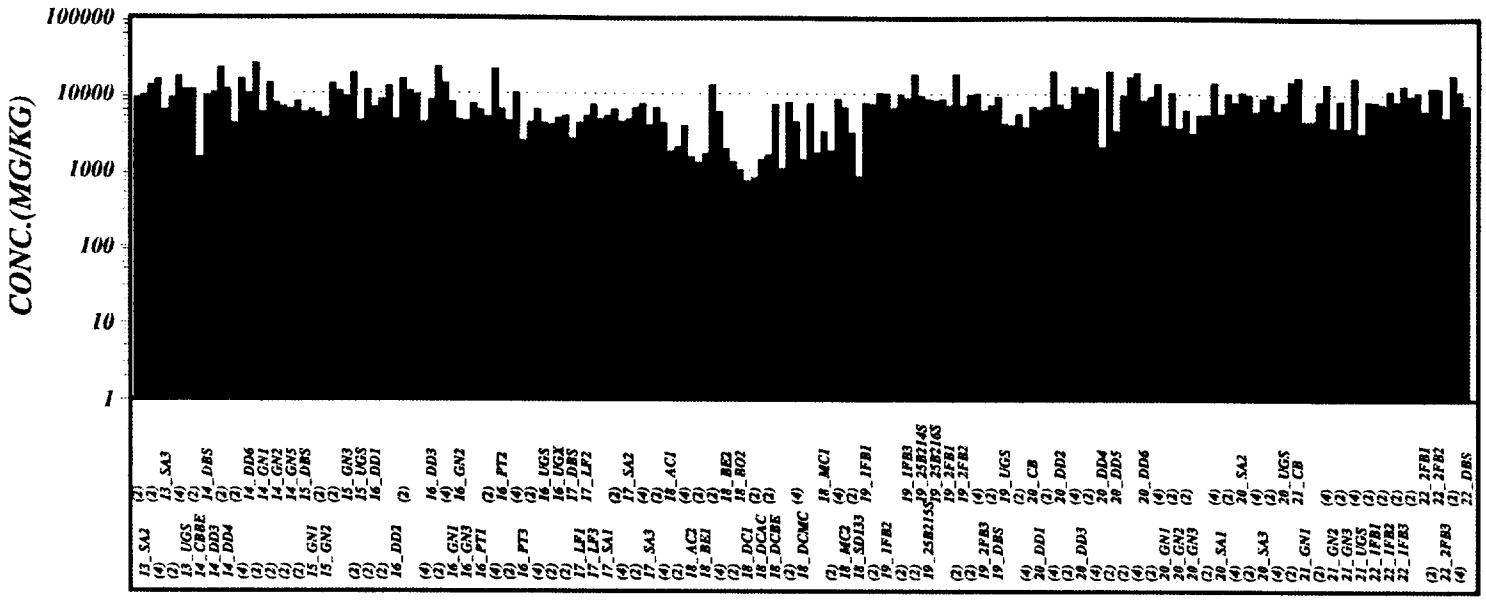
MCAS El Toro Phase I RI Technical Memorandum

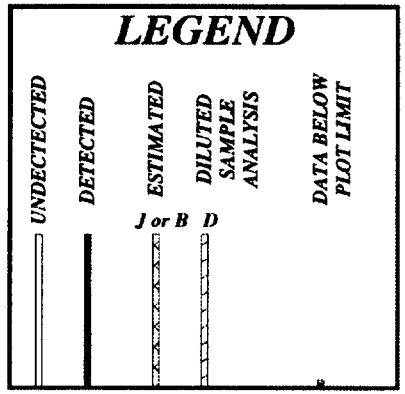
CHEMICALS SELECTED (BOLD LETTERS) FOR SURFACE SOILS & SEDIMENTS PLOTS

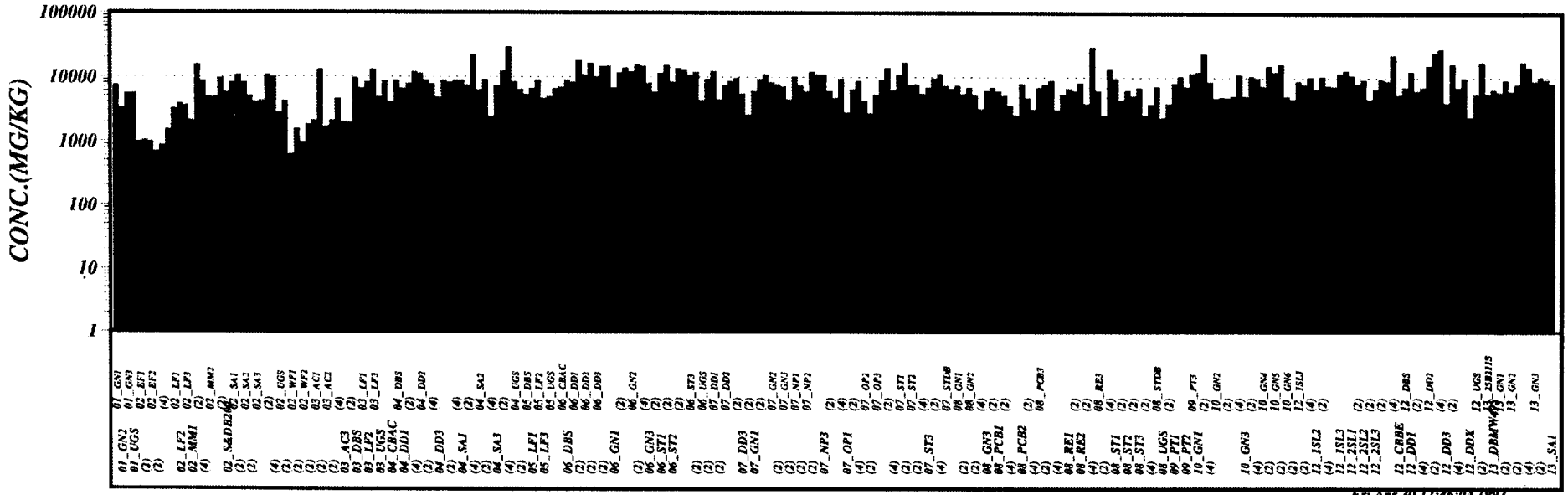
CHEMICAL NAME	UNITS	TOTAL NUMBER OF DATA POINTS	DATA ABOVE DETECTION LIMIT	CONCENTRATION				DETECT-ION LIMIT
				MINIMUM	FLAG	MAXIMUM	FLAG	
HERBICIDES								
2,4 DICHLOROPHENOXY ACETIC ACID	UG/KG	116	1	97.6	U	140		99.7
2,4,5-T	UG/KG	116	1	24.4	U	67.3		24.9
2,4,5-TP (SILVEX)	UG/KG	116	4	24.4	U	55.6		24.9
2,4-DB	UG/KG	116	6	48.8	U	455		49.8
DALAPON	UG/KG	116	13	48.8	U	707		49.8
DICAMBA	UG/KG	116	0	48.8	U	562	U	49.8
DICHLOROPROP	UG/KG	116	6	97.6	U	507		99.7
DINOSEB	UG/KG	116	0	24.4	U	281	U	24.9
MCPA	UG/KG	116	0	24400	U	281000	U	24900
MCPP	UG/KG	116	7	24400	U	153000		24900
TOTAL FUEL HYDROCARBONS (DIESEL AND GASOLINE)								
TFH DIESEL	MG/KG	442	171	0		75200		12600
TFH GASOLINE	MG/KG	439	196	0.05	U	3120		50.5
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS (TRPH)								
PHENOL,4-(2,2,3,3-TETRAMETHYLBUTYL)-	MG/KG	1	0	20	U	20	U	20
TRPH	MG/KG	421	172	9	U	84590		400

MCAS EL TORO Phase 1 RI Technical Memorandum

ALUMINUM Concentration in Surface Soil & Sediments



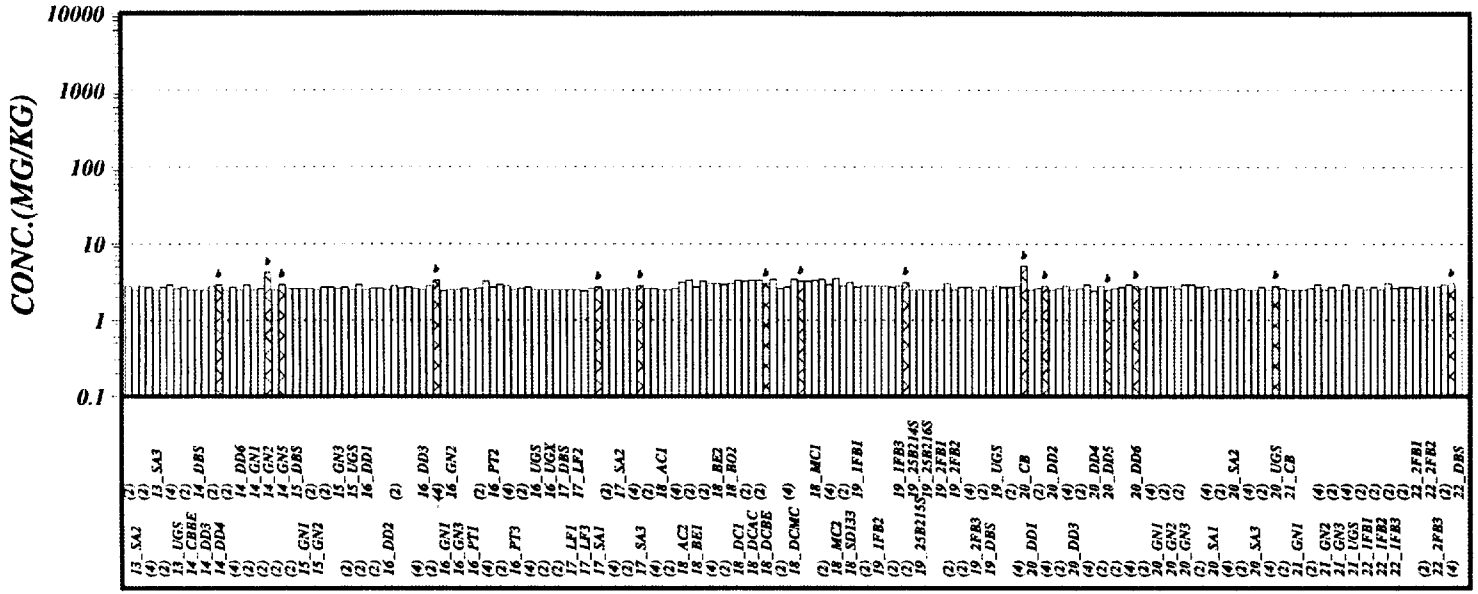


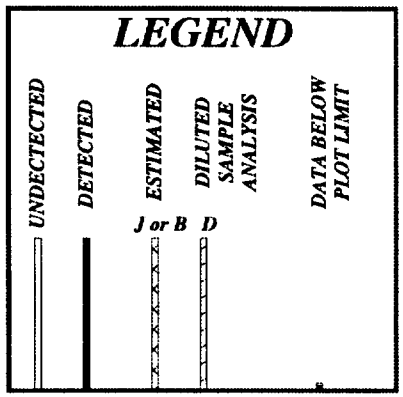


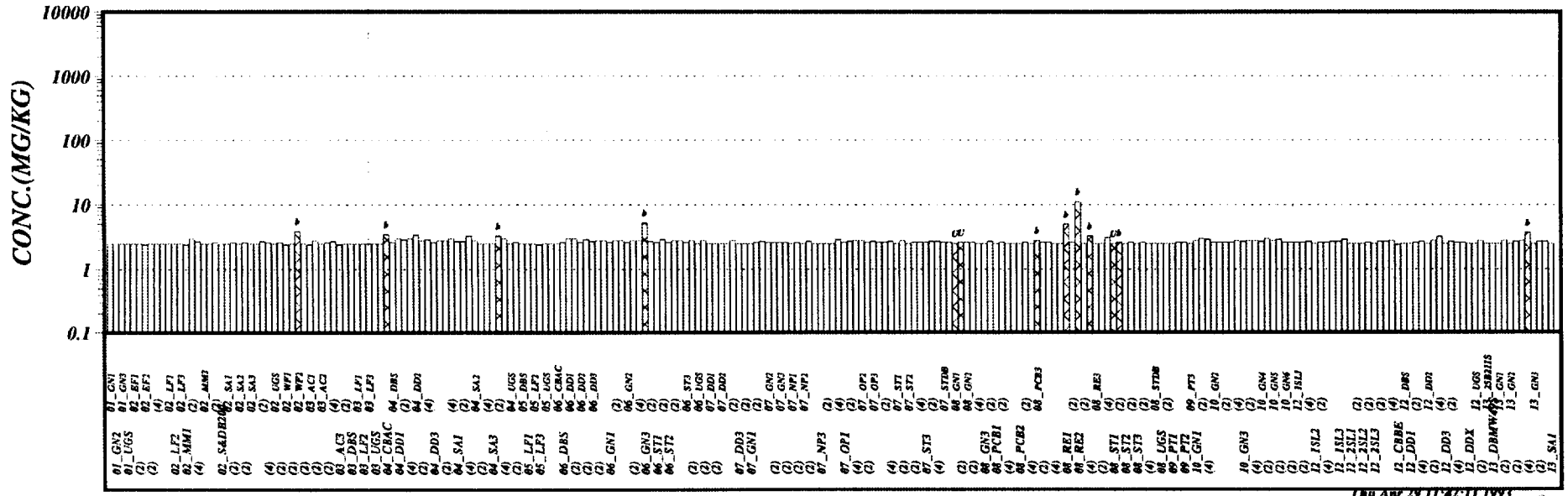
Fri Apr 30 12:46:04 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

ANTIMONY Concentration in Surface Soil & Sediments



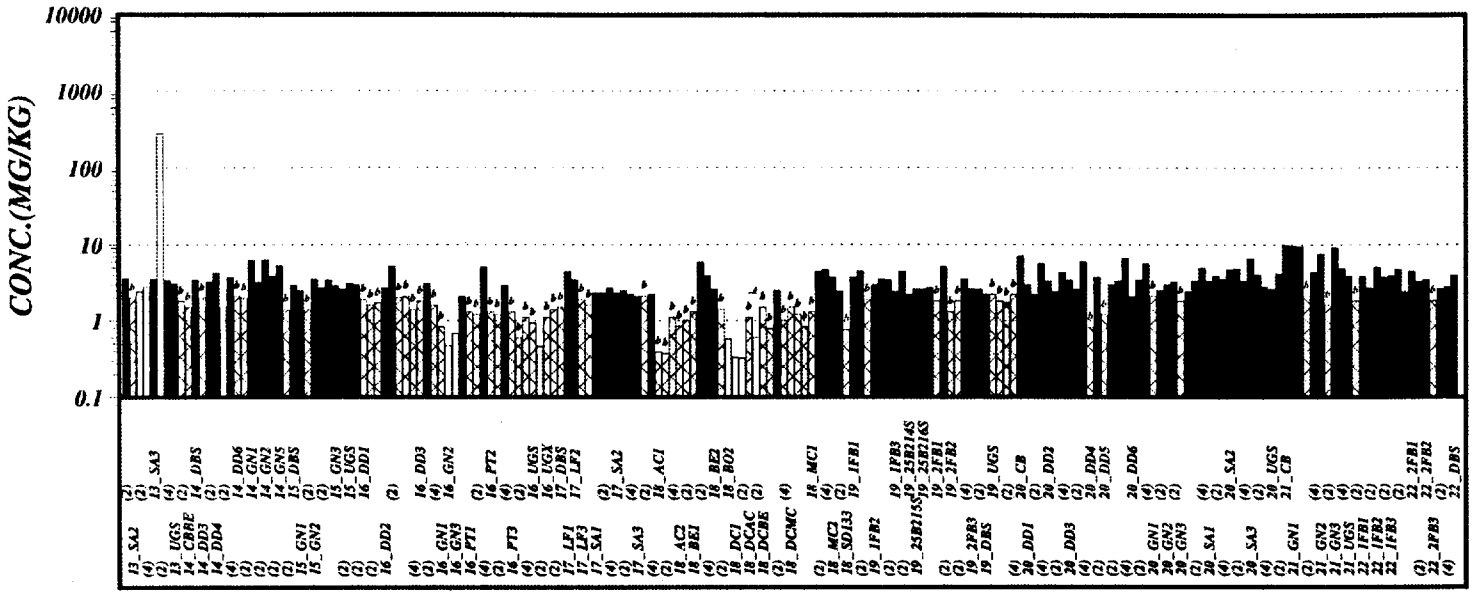


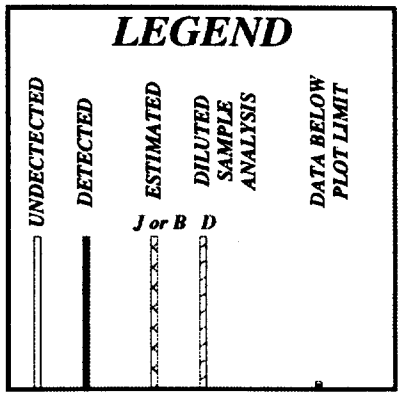


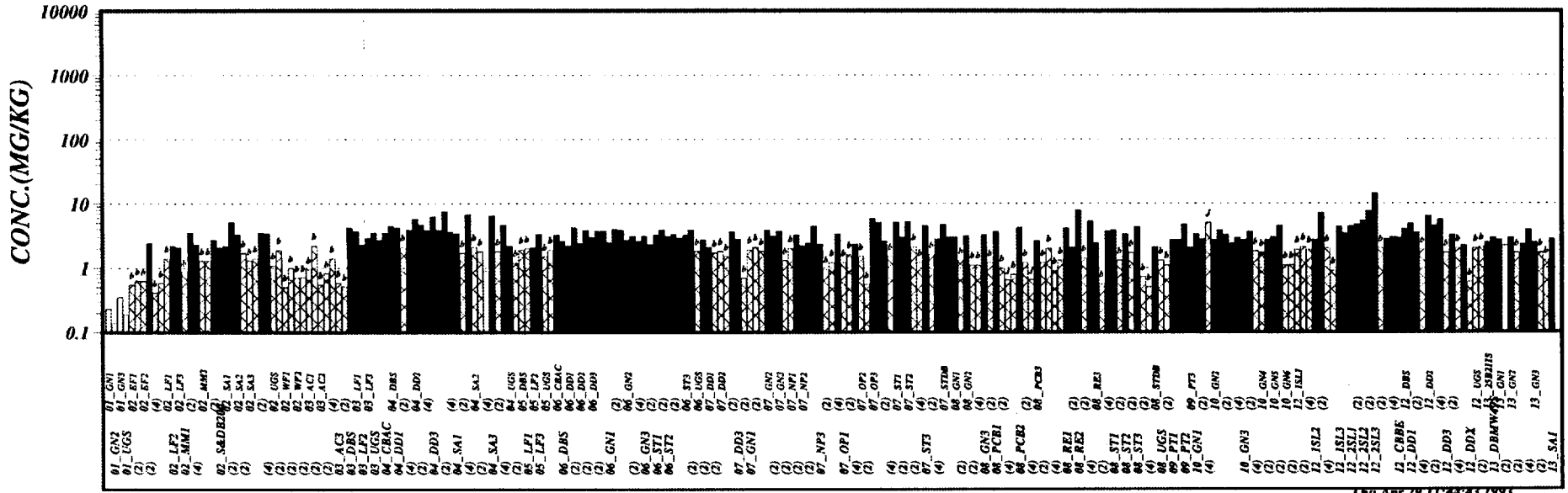
Thu Apr 29 11:42:11 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

ARSENIC Concentration in Surface Soil & Sediments



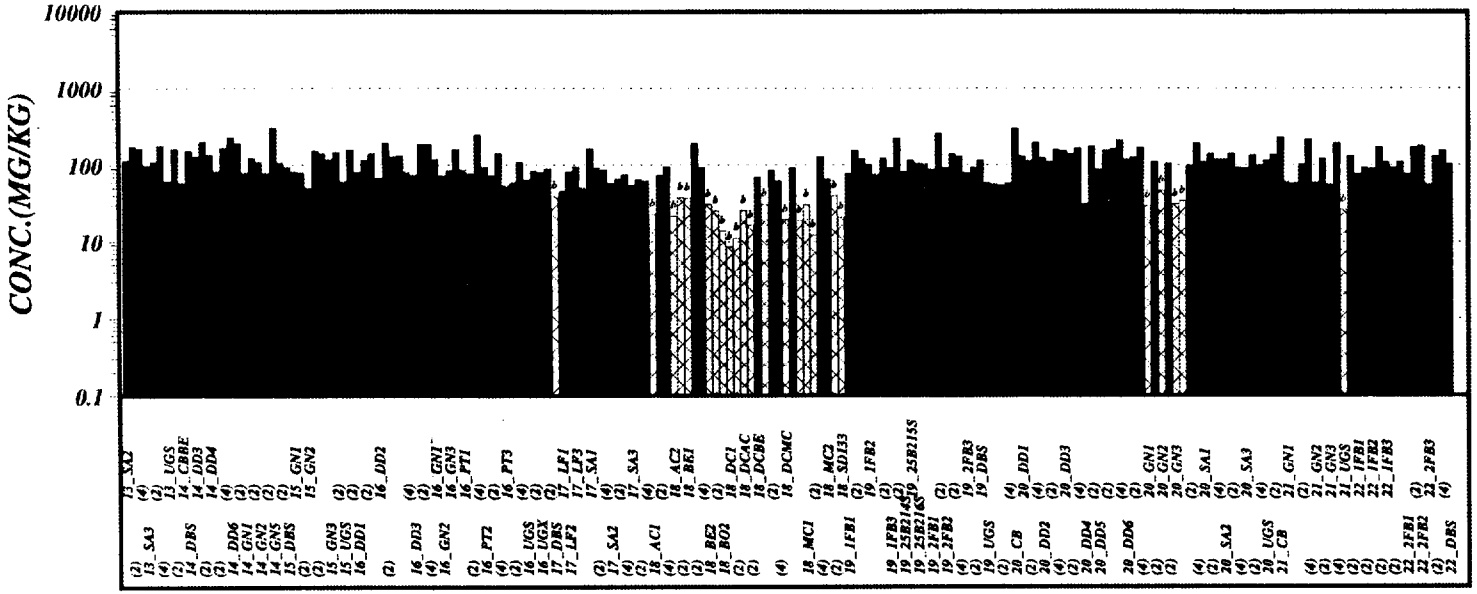


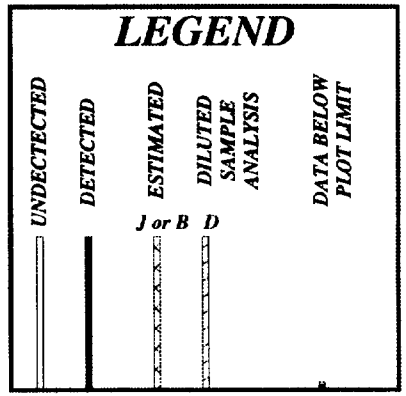


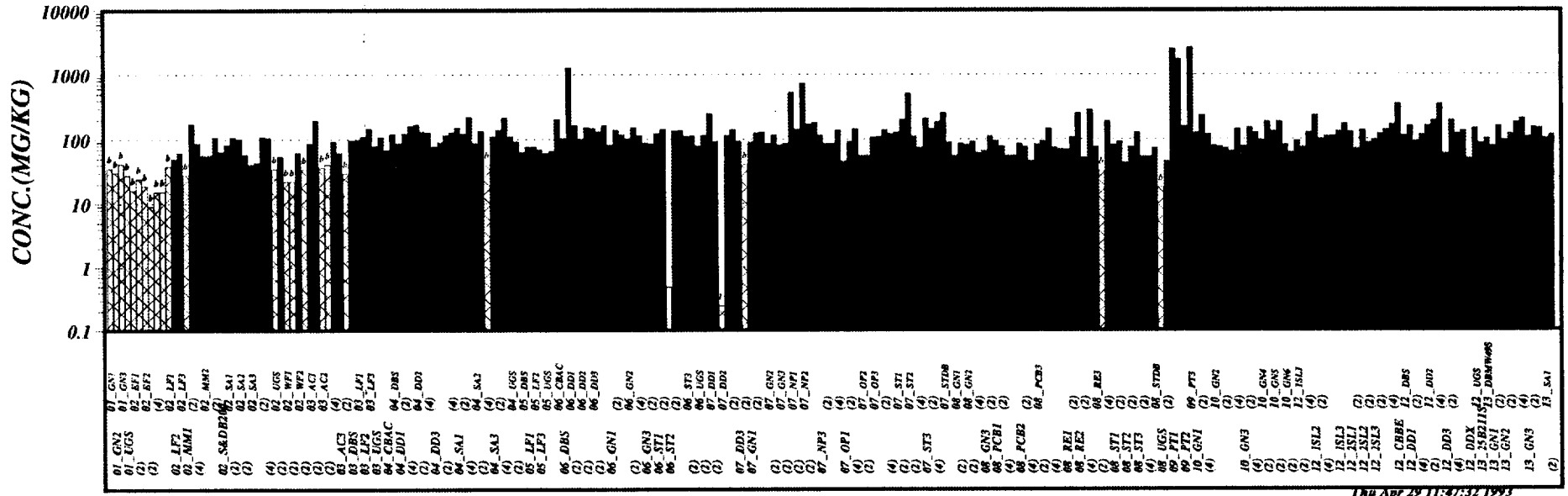
Thu Apr 29 11:44:45 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

BARIUM Concentration in Surface Soil & Sediments



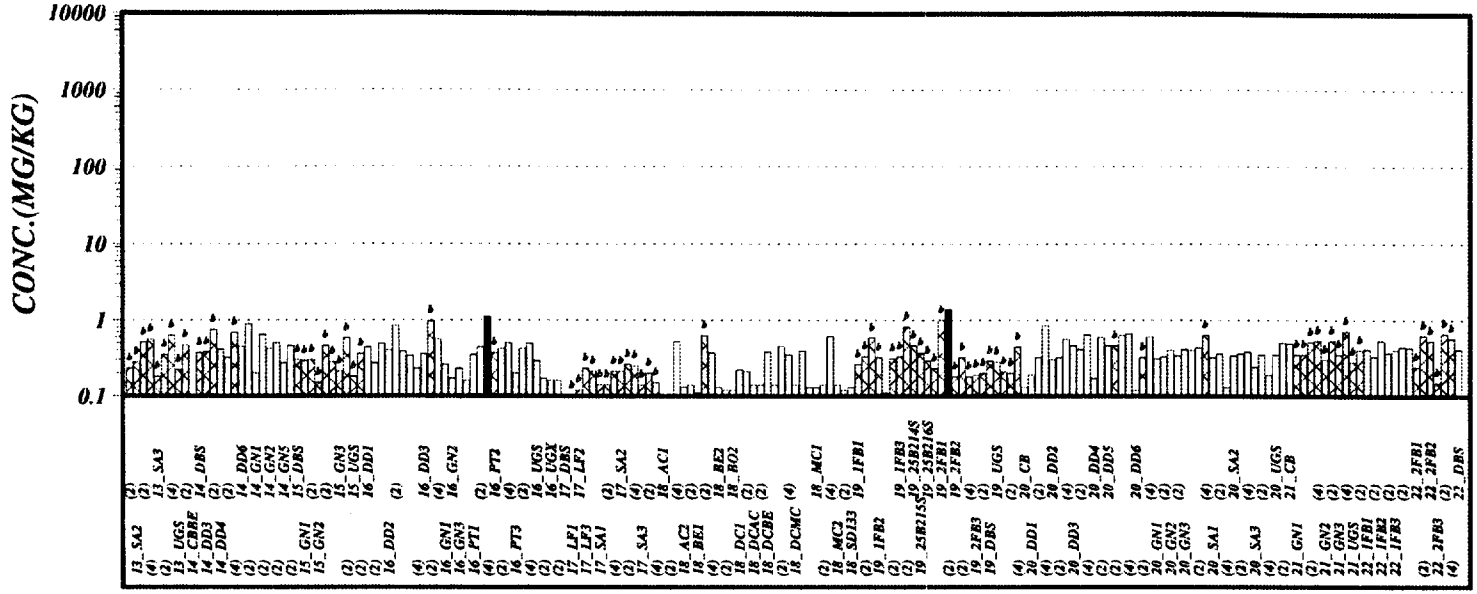


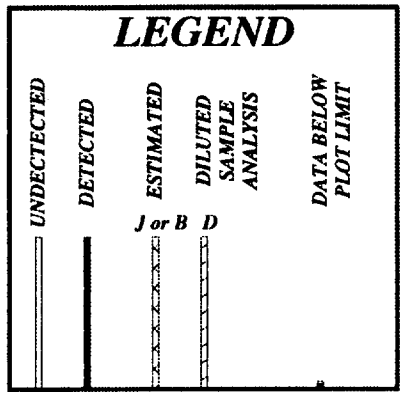


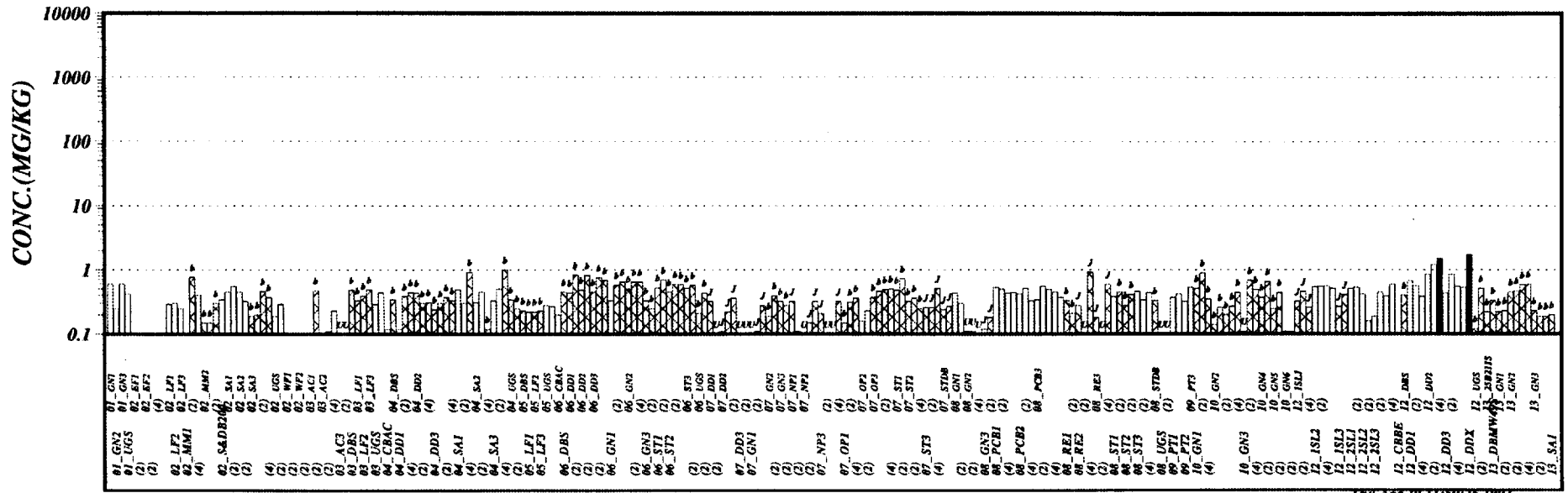
Thu Apr 29 11:47:32 1993

MCAS EL TORO Phase 1 RI Technical Memorandum

BERYLLIUM Concentration in Surface Soil & Sediments





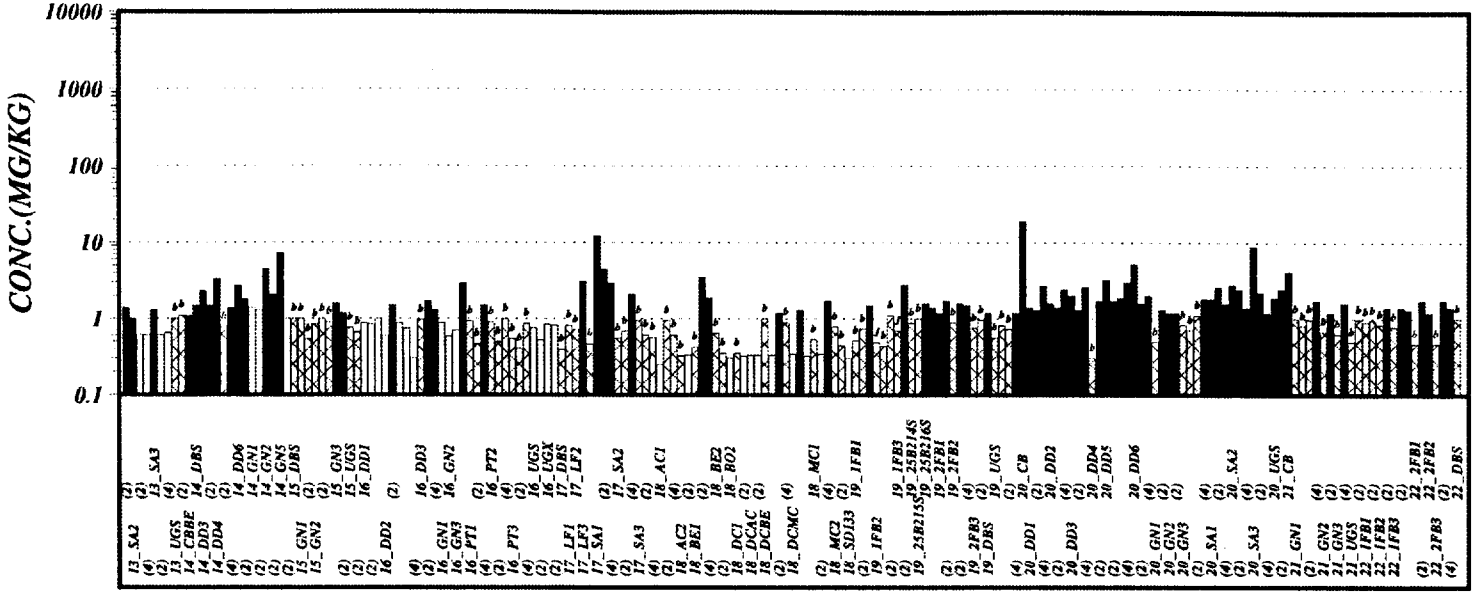


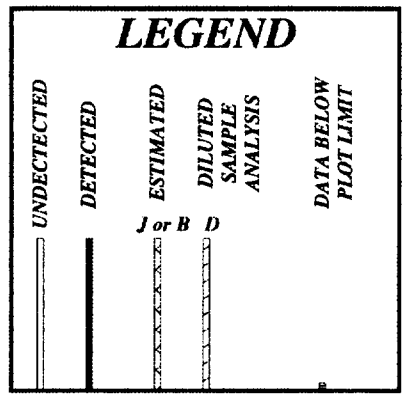
Thu Apr 29 11:50:26 1993

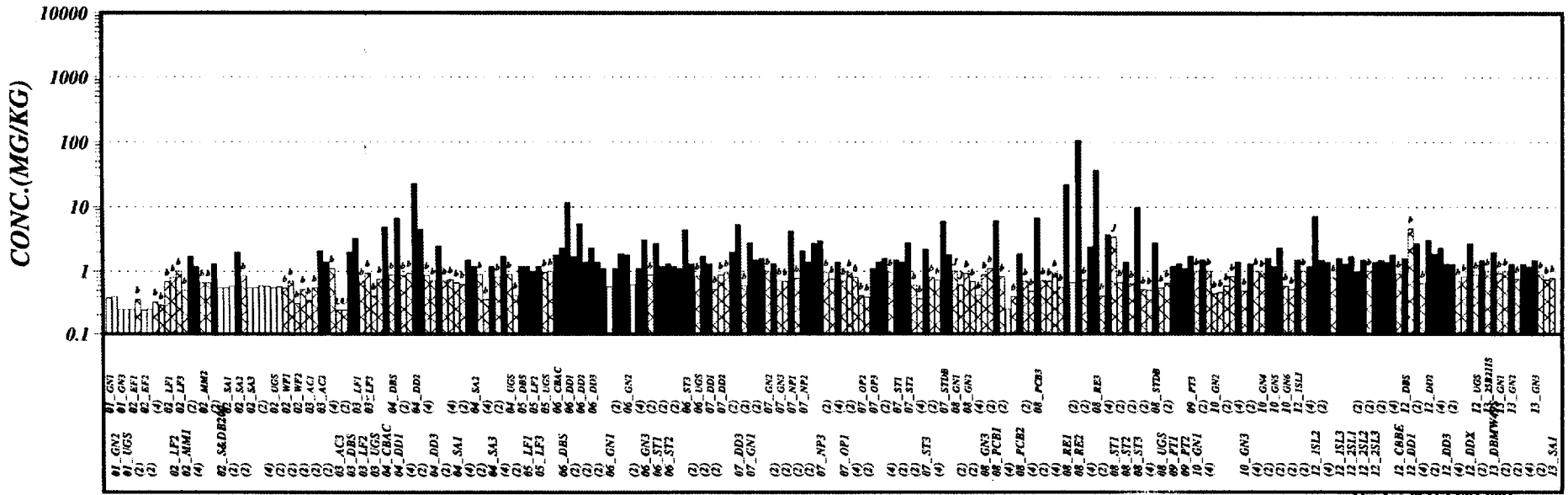
Continue

MCAS EL TORO Phase 1 RI Technical Memorandum

CADMIUM Concentration in Surface Soil & Sediments







Thu Apr 29 11:53:02 1993