Previous

TABLE E-130: SITE 22 POLYNUCLEAR AROMATIC HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	D07C-01	M07C-08	MW547-1	MW547-2	MW547-3	MW547-4	MW547-5
Sample Code	385-S22-010	385-S22-008	385-S22-001	385-S22-002	385-S22-003	385-S22-004	385-S22-005
Sampling Date	7/9/2001	7/5/2001	7/5/2001	7/5/2001	7/5/2001	7/5/2001	7/5/2001
Sampling Depth (feet bgs)	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	DGS	DGS	DGS	DGS	DGS	DGS	DGS
Analyte							
ACENAPHTHENE	5 U	5 U	5 U	5 U	25 U	5 U	5 U
ACENAPHTHYLENE	2 U	2 U	2 U	2 U	10 U	2 U	2 U
ANTHRACENE	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
BENZO(A)ANTHRACENE	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
BENZO(A)PYRENE	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
BENZO(B)FLUORANTHENE	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
BENZO(G,H,I)PERYLENE	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
BENZO(K)FLUORANTHENE	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
CHRYSENE	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
DIBENZO(A,H)ANTHRACENE	0.5 U	0.5 U	0.5 U	0.5 U	2.5 U	0.5 U	0.5 U
FLUORANTHENE	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
FLUORENE	1 U	1 U	1 U	1 U	5 U	1 U	1 U
INDENO(1,2,3-CD)PYRENE	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U
NAPHTHALENE	5 U	5 U	5 U	5 U	140	5 U	5 U
PHENANTHRENE	1 U	1 U	1 U	1 U	5 U	1 U	1 U
PYRENE	0.2 U	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U

Notes:

UG/L Micrograms per liter

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	CAA4C-DGS-DP01	CAA4C-DGS-DP01	CAA4C-DGS-DP02	CAA4C-DGS-DP02	CAA4C-DGS-DP03	CAA4C-DGS-DP03	CAA4C-DGS-DP04
Sample Code	385-CAA4C-001	385-CAA4C-002	385-CAA4C-003	385-CAA4C-004	385-CAA4C-005	385-CAA4C-006	385-CAA4C-007
Sampling Date	4/18/2002	4/18/2002	4/18/2002	4/18/2002	4/17/2002	4/17/2002	4/18/2002
Sampling Depth (feet bgs)	10 -	15 -	12 -	17 -	7 -	12 -	8 -
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	DGS	DGS	DGS	DGS	DGS	DGS	DGS
Analyte							
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	500 U	500 U	2 U	4 U			500 U
1,1,2,2-TETRACHLOROETHANE	250 U	250 U	1 U	2 U			250 U
1,1,2-TRICHLOROETHANE	500 U	500 U	2 U	4 U			500 U
1,1-DICHLOROETHANE	130 U	130 U	0.5 U	1 U			130 U
1,1-DICHLOROETHENE	500 U	500 U	2 U	4 U			500 U
1,1-DICHLOROPROPENE							
1,2,3-TRICHLOROBENZENE							
1,2,3-TRICHLOROPROPANE							
1,2,4-TRICHLOROBENZENE							
1,2,4-TRIMETHYLBENZENE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DICHLOROBENZENE	500 U	500 U	2 U	4 U			500 U
1,2-DICHLOROETHANE	130 U	130 U	0.8	1			130 U
1,2-DICHLOROETHENE (TOTAL)	500 U	500 U	2 U	4 U			500 U
1,2-DICHLOROPROPANE	500 U	500 U	2 U	4 U			500 U
1,3,5-TRIMETHYLBENZENE							
1,3-DICHLOROBENZENE	500 U	500 U	2 U	4 U			500 U
1,3-DICHLOROPROPANE							
1,4-DICHLOROBENZENE	500 U	500 U	2 U	4 U			500 U
2,2-DICHLOROPROPANE							
2-BUTANONE	500 UJ	500 UJ	2 UJ	4 UJ			500 UJ
2-CHLOROTOLUENE							
2-HEXANONE	500 U	500 U	2 U	4 U			500 U
4-CHLOROTOLUENE							
4-METHYL-2-PENTANONE	500 U	500 U	2 U	4 U			500 U
ACETONE	500 UJ	500 UJ	2 UJ	4 UJ			500 UJ
BENZENE	32000	34000	4	24	8300	52	19000
BROMOBENZENE							
BROMOCHLOROMETHANE							
BROMODICHLOROMETHANE	500 U	500 U	2 U	4 U			500 U
BROMOFORM	500 U	500 U	2 U	4 U			500 U
BROMOMETHANE	500 U	500 U	2 U	4 U			500 U
CARBON DISULFIDE	500 U	500 U	2 U	4 U			1200
CARBON TETRACHLORIDE	130 U	130 U	0.5 U	1 U			130 U
CHLOROBENZENE	500 U	500 U	2 U	4 U			500 U
CHLOROETHANE	500 U	500 U	2 U	4 U			500 U
CHLOROFORM	500 U	500 U	2 U	4 U			500 U
CHLOROMETHANE	500 U	500 U	2 U	4 U			500 U
CIS-1,2-DICHLOROETHENE							
CIS-1,3-DICHLOROPROPENE	130 U	130 U	0.5 U	1 U			130 U
DIBROMOCHLOROMETHANE	500 U	500 U	2 U	4 U			500 U
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
DIISOPROPYL ETHER							
ETHYL TERT-BUTYL ETHER							
ETHYLBENZENE	2600	2500	5	47	400 U	0.9 J	2600
ETHYLENE DIBROMIDE							
HEXACHLOROBUTADIENE							
ISOPROPYLBENZENE							

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	CAA4C-DGS-DP01	CAA4C-DGS-DP01	CAA4C-DGS-DP02	CAA4C-DGS-DP02	CAA4C-DGS-DP03	CAA4C-DGS-DP03	CAA4C-DGS-DP04
Sample Code	385-CAA4C-001	385-CAA4C-002	385-CAA4C-003	385-CAA4C-004	385-CAA4C-005	385-CAA4C-006	385-CAA4C-007
Sampling Date	4/18/2002	4/18/2002	4/18/2002	4/18/2002	4/17/2002	4/17/2002	4/18/2002
Sampling Depth (feet bgs)	10 -	15 -	12 -	17 -	7 -	12 -	8 -
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	DGS	DGS	DGS	DGS	DGS	DGS	DGS
Analyte							
M,P-XYLENE							
METHYLENE CHLORIDE	500 UJ	500 UJ	2 U	4 U			500 UJ
METHYL-T-BUTYL ETHER	1300 U	1300 U	0.7 J	1 J	1000 U	3 J	1300 U
NAPHTHALENE							
N-BUTYLBENZENE							
N-PROPYLBENZENE							
O-XYLENE							
P-ISOPROPYLTOLUENE							
SEC-BUTYLBENZENE							
STYRENE	500 U	500 U	2 U	4 U			500 U
TERT-AMYL METHYL ETHER							
TERT-BUTANOL							
TERT-BUTYLBENZENE							
TETRACHLOROETHENE	500 U	500 U	2 U	4 U			500 U
TOLUENE	34000	1100 J	13 J	88 J	400 UJ	2 UJ	16000 J
TRANS-1,2-DICHLOROETHENE							
TRANS-1,3-DICHLOROPROPENE	130 U	130 U	0.5 U	1 U			130 U
TRICHLOROETHENE	500 U	500 U	2 U	4 U			500 U
TRICHLOROFLUOROMETHANE							
VINYL ACETATE							
VINYL CHLORIDE	130 U	130 U	0.5 U	1 U			130 U
XYLENE (TOTAL)	13000	5600	30	230	76 J	6	14000

Notes:

UG/L Micrograms per liter

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	CAA4C-DGS-DP04	CAA4C-DGS-DP05	CAA4C-DGS-DP05	CAA4C-DGS-DP06	CAA4C-DGS-DP07	CAA4C-DGS-DP08	CAA4C-DGS-DP09
Sample Code	385-CAA4C-008	385-CAA4C-009	385-CAA4C-010	385-CAA4C-011A	385-CAA4C-012	385-CAA4C-013	385-CAA4C-014
Sampling Date	4/18/2002	4/18/2002	4/18/2002	5/8/2002	5/8/2002	5/8/2002	5/8/2002
Sampling Depth (feet bgs)	13 -	8 -	14 -	4 - 8	8 - 12	4 - 8	4 - 8
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	DGS	DGS	DGS	DGS	DGS	DGS	DGS
Analyte							
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE	10 U	500 U	10 U				
1,1,2,2-TETRACHLOROETHANE	5 U	250 U	5 U				
1,1,2-TRICHLOROETHANE	10 U	500 U	10 U				
1,1-DICHLOROETHANE	3 U	130 U	3 U				
1,1-DICHLOROETHENE	10 U	500 U	10 U				
1,1-DICHLOROPROPENE							
1,2,3-TRICHLOROBENZENE							
1,2,3-TRICHLOROPROPANE							
1,2,4-TRICHLOROBENZENE							
1,2,4-TRIMETHYLBENZENE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DICHLOROBENZENE	10 U	500 U	10 U				
1,2-DICHLOROETHANE	28	130 U	38				
1,2-DICHLOROETHENE (TOTAL)	10 U	500 U	10 U				
1,2-DICHLOROPROPANE	10 U	500 U	10 U				
1,3,5-TRIMETHYLBENZENE							
1,3-DICHLOROBENZENE	10 U	500 U	10 U				
1,3-DICHLOROPROPANE							
1,4-DICHLOROBENZENE	10 U	500 U	10 U				
2,2-DICHLOROPROPANE							
2-BUTANONE	10 UJ	500 UJ	10 UJ				
2-CHLOROTOLUENE							
2-HEXANONE	10 U	500 U	10 U				
4-CHLOROTOLUENE							
4-METHYL-2-PENTANONE	10 U	500 U	10 U				
ACETONE	10 UJ	500 UJ	10 UJ				
BENZENE	120 J	29000	140	8130 J	1470 J	58.4 J	1.2 J
BROMOBENZENE							
BROMOCHLOROMETHANE							
BROMODICHLOROMETHANE	10 U	500 U	10 U				
BROMOFORM	10 U	500 U	10 U				
BROMOMETHANE	10 U	500 U	10 U				
CARBON DISULFIDE	10 U	4600	10 U				
CARBON TETRACHLORIDE	3 U	130 U	3 U				
CHLOROBENZENE	10 U	500 U	10 U				
CHLOROETHANE	10 U	500 U	10 U				
CHLOROFORM	10 U	500 U	10 U				
CHLOROMETHANE	10 U	500 U	10 U				
CIS-1,2-DICHLOROETHENE							
CIS-1,3-DICHLOROPROPENE	3 U	130 U	3 U				
DIBROMOCHLOROMETHANE	10 U	500 U	10 U				
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
DIISOPROPYL ETHER							
ETHYL TERT-BUTYL ETHER							
ETHYLBENZENE	28	2900	32	3830 J	1280 J	71.7 J	8.7 J
ETHYLENE DIBROMIDE							
HEXACHLOROBUTADIENE							
ISOPROPYLBENZENE							

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	CAA4C-DGS-DP04	CAA4C-DGS-DP05	CAA4C-DGS-DP05	CAA4C-DGS-DP06	CAA4C-DGS-DP07	CAA4C-DGS-DP08	CAA4C-DGS-DP09
Sample Code	385-CAA4C-008	385-CAA4C-009	385-CAA4C-010	385-CAA4C-011A	385-CAA4C-012	385-CAA4C-013	385-CAA4C-014
Sampling Date	4/18/2002	4/18/2002	4/18/2002	5/8/2002	5/8/2002	5/8/2002	5/8/2002
Sampling Depth (feet bgs)	13 -	8 -	14 -	4 - 8	8 - 12	4 - 8	4 - 8
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	DGS	DGS	DGS	DGS	DGS	DGS	DGS
Analyte							
M,P-XYLENE							
METHYLENE CHLORIDE	10 U	500 UJ	10 UJ				
METHYL-T-BUTYL ETHER	5 J	1300 U	2 J				
NAPHTHALENE							
N-BUTYLBENZENE							
N-PROPYLBENZENE							
O-XYLENE							
P-ISOPROPYLTOLUENE							
SEC-BUTYLBENZENE							
STYRENE	10 U	500 U	10 U				
TERT-AMYL METHYL ETHER							
TERT-BUTANOL							
TERT-BUTYLBENZENE							
TETRACHLOROETHENE	10 U	500 U	10 U				
TOLUENE	110 J	5500 J	81 J	15300 J	94 J	231 J	4.7 J
TRANS-1,2-DICHLOROETHENE							
TRANS-1,3-DICHLOROPROPENE	3 U	130 U	3 U				
TRICHLOROETHENE	10 U	500 U	10 U				
TRICHLOROFLUOROMETHANE							
VINYL ACETATE							
VINYL CHLORIDE	3 U	130 U	3 U				
XYLENE (TOTAL)	150	9600	86	17000 J	194 J	314 J	20 J

Notes:

UG/L Micrograms per liter

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	CAA4C-DGS-DP10	CAA4C-DGS-PZ01	D07C-01	M07C-08	MW547-1	MW547-2	MW547-3	MW547-4	MW547-5
Sample Code	385-CAA4C-015	385-CAA4C-011	385-S22-010	385-S22-008	385-S22-001	385-S22-002	385-S22-003	385-S22-004	385-S22-005
Sampling Date	5/8/2002	4/22/2002	7/9/2001	7/5/2001	7/5/2001	7/5/2001	7/5/2001	7/5/2001	7/5/2001
Sampling Depth (feet bgs)	4 - 8	5 -	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	DGS	DGS	DGS	DGS	DGS	DGS	DGS	DGS	DGS
Analyte									
1,1,1,2-TETRACHLOROETHANE									
1,1,1-TRICHLOROETHANE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
1,1,2,2-TETRACHLOROETHANE		50 U	1 U	1 U	1 U	1 U	50 U	1 U	1 U
1,1,2-TRICHLOROETHANE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
1,1-DICHLOROETHANE		25 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U
1,1-DICHLOROETHENE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
1,1-DICHLOROPROPENE									
1,2,3-TRICHLOROBENZENE									
1,2,3-TRICHLOROPROPANE									
1,2,4-TRICHLOROBENZENE									
1,2,4-TRIMETHYLBENZENE									
1,2-DIBROMO-3-CHLOROPROPANE									
1,2-DICHLOROBENZENE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
1,2-DICHLOROETHANE		23 J	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U
1,2-DICHLOROETHENE (TOTAL)		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
1,2-DICHLOROPROPANE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
1,3,5-TRIMETHYLBENZENE									
1,3-DICHLOROBENZENE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
1,3-DICHLOROPROPANE									
1,4-DICHLOROBENZENE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
2,2-DICHLOROPROPANE									
2-BUTANONE		100 UJ	2 UJ	2 UJ	2 UJ	2 UJ	100 UJ	2 UJ	2 UJ
2-CHLOROTOLUENE									
2-HEXANONE		100 U	2 UJ	2 UJ	2 UJ	2 UJ	100 UJ	2 UJ	2 UJ
4-CHLOROTOLUENE									
4-METHYL-2-PENTANONE		100 U	2 UJ	2 UJ	2 UJ	2 UJ	100 UJ	2 UJ	2 UJ
ACETONE		9100 J	3 UJ	3 UJ	3 UJ	3 UJ	160 UJ	3 UJ	3 UJ
BENZENE	0.3 J	18000	0.5 U	0.5 U	0.5 U	0.5 U	2400	0.4 J	0.5 U
BROMOBENZENE									
BROMOCHLOROMETHANE									
BROMODICHLOROMETHANE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
BROMOFORM		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
BROMOMETHANE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
CARBON DISULFIDE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
CARBON TETRACHLORIDE		25 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U
CHLOROBENZENE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
CHLOROETHANE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
CHLOROFORM		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
CHLOROMETHANE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
CIS-1,2-DICHLOROETHENE									
CIS-1,3-DICHLOROPROPENE		25 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U
DIBROMOCHLOROMETHANE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
DIBROMOMETHANE									
DICHLORODIFLUOROMETHANE									
DIISOPROPYL ETHER									
ETHYL TERT-BUTYL ETHER									
ETHYLBENZENE	1.4 UJ	7100	2 U	2 U	2 U	2 U	25 J	0.7 J	2 U
ETHYLENE DIBROMIDE									
HEXACHLOROBUTADIENE									
ISOPROPYLBENZENE									

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	CAA4C-DGS-DP10	CAA4C-DGS-PZ01	D07C-01	M07C-08	MW547-1	MW547-2	MW547-3	MW547-4	MW547-5
Sample Code	385-CAA4C-015	385-CAA4C-011	385-S22-010	385-S22-008	385-S22-001	385-S22-002	385-S22-003	385-S22-004	385-S22-005
Sampling Date	5/8/2002	4/22/2002	7/9/2001	7/5/2001	7/5/2001	7/5/2001	7/5/2001	7/5/2001	7/5/2001
Sampling Depth (feet bgs)	4 - 8	5 -	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	DGS	DGS	DGS	DGS	DGS	DGS	DGS	DGS	DGS
Analyte									
M,P-XYLENE									
METHYLENE CHLORIDE		100 UJ	2 UJ	2 UJ	2 U	2 UJ	100 UJ	2 UJ	2 UJ
METHYL-T-BUTYL ETHER		250 U	5 U	5 U	5 U	5 U	250 U	5 U	5 U
NAPHTHALENE									
N-BUTYLBENZENE									
N-PROPYLBENZENE									
O-XYLENE									
P-ISOPROPYLTOLUENE									
SEC-BUTYLBENZENE									
STYRENE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
TERT-AMYL METHYL ETHER									
TERT-BUTANOL									
TERT-BUTYLBENZENE									
TETRACHLOROETHENE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
TOLUENE	0.7 UJ	32000	2 U	2 U	2 U	2 U	100 U	0.3 J	2 U
TRANS-1,2-DICHLOROETHENE									
TRANS-1,3-DICHLOROPROPENE		25 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U
TRICHLOROETHENE		100 U	2 U	2 U	2 U	2 U	100 U	2 U	2 U
TRICHLOROFLUOROMETHANE									
VINYL ACETATE									
VINYL CHLORIDE		25 U	0.5 U	0.5 U	0.5 U	0.5 U	25 U	0.5 U	0.5 U
XYLENE (TOTAL)	2.2 UJ	36000	2 U	2 U	2 U	2 U	100 U	2 U	2 U

Notes:

UG/L Micrograms per liter

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	D07C-01	D07C-01	D07C-01	D07C-01	DHP-S07C-01	DHP-S07C-02	DHP-S07C-03	DHP-S07C-04	M07C-08	M07C-08
Sample Code	280-S7C-088	280-S7C-089	280-S7C-090	280-S7C-091	280-S7C-066	280-S7C-067	280-S7C-069	280-S7C-070	280-S7C-058	280-S7C-059
Sampling Date	12/16/1994	2/20/1995	6/22/1995	9/20/1995	7/28/1994	8/2/1994	7/29/1994	8/1/1994	11/7/1994	2/17/1995
Sampling Depth (feet bgs)	-	-	-	-	22.5 -	21 -	26 -	16 -	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte										
1,1,1,2-TETRACHLOROETHANE										
1,1,1-TRICHLOROETHANE	0.7 J	1 U	3	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
1,1,2,2-TETRACHLOROETHANE	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-TRICHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,1-DICHLOROETHENE	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,1-DICHLOROPROPENE										
1,2,3-TRICHLOROBENZENE										
1,2,3-TRICHLOROPROPANE										
1,2,4-TRICHLOROBENZENE										
1,2,4-TRIMETHYLBENZENE										
1,2-DIBROMO-3-CHLOROPROPANE										
1,2-DICHLOROBENZENE										
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHENE (TOTAL)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROPROPANE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-TRIMETHYLBENZENE										
1,3-DICHLOROBENZENE										
1,3-DICHLOROPROPANE										
1,4-DICHLOROBENZENE										
2,2-DICHLOROPROPANE										
2-BUTANONE							18 UJ			
2-CHLOROTOLUENE										
2-HEXANONE	2 UJ	2 U	2 UJ	2 U	2 U		2 U	2 U	2 UJ	2 U
4-CHLOROTOLUENE										
4-METHYL-2-PENTANONE	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
ACETONE					65 J					
BENZENE	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMOBENZENE										
BROMOCHLOROMETHANE										
BROMODICHLOROMETHANE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMOFORM	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMOMETHANE	2 U	2 U	1 U	1 U	2 U	2 U	2 U	2 U	2 U	2 U
CARBON DISULFIDE	1 UJ	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 U
CARBON TETRACHLORIDE	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROETHANE	2 UJ	2 UJ	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 UJ
CHLOROFORM	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROMETHANE	2 U	2 U	2 U	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
CIS-1,2-DICHLOROETHENE										
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DIBROMOCHLOROMETHANE	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DIBROMOMETHANE										
DICHLORODIFLUOROMETHANE										
DIISOPROPYL ETHER										
ETHYL TERT-BUTYL ETHER										
ETHYLBENZENE	1 U	1 U	1 U	1 U	1 U	1 U	0.8 J	1 U	1 U	1 U
ETHYLENE DIBROMIDE	1 U	0.02 U	0.02 U	0.02 U		1 U	1 U	1 U	1 U	0.02 U
HEXACHLOROBUTADIENE										
ISOPROPYLBENZENE										

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	D07C-01	D07C-01	D07C-01	D07C-01	DHP-S07C-01	DHP-S07C-02	DHP-S07C-03	DHP-S07C-04	M07C-08	M07C-08
Sample Code	280-S7C-088	280-S7C-089	280-S7C-090	280-S7C-091	280-S7C-066	280-S7C-067	280-S7C-069	280-S7C-070	280-S7C-058	280-S7C-059
Sampling Date	12/16/1994	2/20/1995	6/22/1995	9/20/1995	7/28/1994	8/2/1994	7/29/1994	8/1/1994	11/7/1994	2/17/1995
Sampling Depth (feet bgs)	-	-	-	-	22.5 -	21 -	26 -	16 -	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte										
M,P-XYLENE										
METHYLENE CHLORIDE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
METHYL-T-BUTYL ETHER										
NAPHTHALENE										
N-BUTYLBENZENE										
N-PROPYLBENZENE										
O-XYLENE										
P-ISOPROPYLTOLUENE										
SEC-BUTYLBENZENE										
STYRENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TERT-AMYL METHYL ETHER										
TERT-BUTANOL										
TERT-BUTYLBENZENE										
TETRACHLOROETHENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	1 U	1 U	1 U	1 U	1 U	1 U	0.9 J	1 U	1 U	1 U
TRANS-1,2-DICHLOROETHENE										
TRANS-1,3-DICHLOROPROPENE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROFLUOROMETHANE										
VINYL ACETATE										
VINYL CHLORIDE	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
XYLENE (TOTAL)	1 U	1 U	1 U	1 U	1 U	1 U	6	1 U	1 U	1 U

Notes:

UG/L Micrograms per liter

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	M07C-08	M07C-08	MW547-1	MW547-1	MW547-1	MW547-1	MW547-2	MW547-2	MW547-2	MW547-2
Sample Code	280-S7C-060	280-S7C-061	280-S7C-028	280-S7C-029	280-S7C-030	280-S7C-031	280-S7C-032	280-S7C-033	280-S7C-034	280-S7C-035
Sampling Date	6/21/1995	8/31/1995	11/8/1994	2/20/1995	6/20/1995	8/31/1995	11/8/1994	2/20/1995	6/20/1995	8/29/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte										
1,1,1,2-TETRACHLOROETHANE										
1,1,1-TRICHLOROETHANE	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-TRICHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
1,1-DICHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-DICHLOROETHENE	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U
1,1-DICHLOROPROPENE										
1,2,3-TRICHLOROBENZENE										
1,2,3-TRICHLOROPROPANE										
1,2,4-TRICHLOROBENZENE										
1,2,4-TRIMETHYLBENZENE										
1,2-DIBROMO-3-CHLOROPROPANE										
1,2-DICHLOROBENZENE										
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.8 UJ	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHENE (TOTAL)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROPROPANE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-TRIMETHYLBENZENE										
1,3-DICHLOROBENZENE										
1,3-DICHLOROPROPANE										
1,4-DICHLOROBENZENE										
2,2-DICHLOROPROPANE										
2-BUTANONE										
2-CHLOROTOLUENE										
2-HEXANONE	2 UJ	2 U	2 UJ	2 U	2 UJ	2 U	2 UJ	2 U	2 UJ	2 U
4-CHLOROTOLUENE										
4-METHYL-2-PENTANONE	2 UJ	2 U	2 UJ	2 U	2 UJ	2 U	2 UJ	2 U	2 UJ	2 U
ACETONE										
BENZENE	0.5 U	0.5 U	2	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
BROMOBENZENE										
BROMOCHLOROMETHANE										
BROMODICHLOROMETHANE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMOFORM	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMOMETHANE	1 U	1 U	2 U	2 U	1 U	1 U	2 U	2 U	1 U	1 U
CARBON DISULFIDE	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U
CHLOROBENZENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROETHANE	2 U	2 U	2 UJ	2 UJ	2 U	2 U	2 UJ	2 UJ	2 U	2 U
CHLOROFORM	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROMETHANE	2 U	2 U	2 UJ	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U
CIS-1,2-DICHLOROETHENE										
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DIBROMOCHLOROMETHANE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DIBROMOMETHANE										
DICHLORODIFLUOROMETHANE										
DIISOPROPYL ETHER										
ETHYL TERT-BUTYL ETHER										
ETHYLBENZENE	1 U	1 U	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
ETHYLENE DIBROMIDE	0.02 U	0.02 U	1 U	0.02 U	0.02 U	0.02 U	1 U	0.02 U	0.02 U	0.02 U
HEXACHLOROBUTADIENE										
ISOPROPYLBENZENE										

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	M07C-08	M07C-08	MW547-1	MW547-1	MW547-1	MW547-1	MW547-2	MW547-2	MW547-2	MW547-2
Sample Code	280-S7C-060	280-S7C-061	280-S7C-028	280-S7C-029	280-S7C-030	280-S7C-031	280-S7C-032	280-S7C-033	280-S7C-034	280-S7C-035
Sampling Date	6/21/1995	8/31/1995	11/8/1994	2/20/1995	6/20/1995	8/31/1995	11/8/1994	2/20/1995	6/20/1995	8/29/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte										
M,P-XYLENE										
METHYLENE CHLORIDE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
METHYL-T-BUTYL ETHER										
NAPHTHALENE										
N-BUTYLBENZENE										
N-PROPYLBENZENE										
O-XYLENE										
P-ISOPROPYLTOLUENE										
SEC-BUTYLBENZENE										
STYRENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TERT-AMYL METHYL ETHER										
TERT-BUTANOL										
TERT-BUTYLBENZENE										
TETRACHLOROETHENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,2-DICHLOROETHENE										
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROFLUOROMETHANE										
VINYL ACETATE										
VINYL CHLORIDE	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
XYLENE (TOTAL)	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

UG/L Micrograms per liter

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-3	MW547-3	MW547-3	MW547-3	MW547-4	MW547-4	MW547-4	MW547-4	MW547-5	MW547-5
Sample Code	280-S7C-036	280-S7C-037	280-S7C-038	280-S7C-039	280-S7C-040	280-S7C-042	280-S7C-043	280-S7C-044	280-S7C-045	280-S7C-046
Sampling Date	11/7/1994	2/17/1995	6/21/1995	8/31/1995	11/7/1994	2/17/1995	6/21/1995	8/29/1995	11/10/1994	2/20/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte										
1,1,1,2-TETRACHLOROETHANE										
1,1,1-TRICHLOROETHANE	17 U	1 U	2 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
1,1,2,2-TETRACHLOROETHANE	17 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-TRICHLOROETHANE	17 UJ	1 U	2 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
1,1-DICHLOROETHANE	17 U	1 UJ	2 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
1,1-DICHLOROETHENE	17 U	1 UJ	2 U	1 UJ	1 U	1 UJ	1 U	1 U	1 U	1 UJ
1,1-DICHLOROPROPENE										
1,2,3-TRICHLOROBENZENE										
1,2,3-TRICHLOROPROPANE										
1,2,4-TRICHLOROBENZENE										
1,2,4-TRIMETHYLBENZENE										
1,2-DIBROMO-3-CHLOROPROPANE										
1,2-DICHLOROBENZENE										
1,2-DICHLOROETHANE	8 U	0.5 U	0.8 U	0.5 U	1 UJ	0.5 U	0.5 U	0.5 U	1 UJ	0.5 U
1,2-DICHLOROETHENE (TOTAL)	17 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-DICHLOROPROPANE	17 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-TRIMETHYLBENZENE										
1,3-DICHLOROBENZENE										
1,3-DICHLOROPROPANE										
1,4-DICHLOROBENZENE										
2,2-DICHLOROPROPANE										
2-BUTANONE										
2-CHLOROTOLUENE										
2-HEXANONE	33 UJ	2 U	3 UJ	2 U	2 UJ	2 U	2 UJ	2 U	2 UJ	2 U
4-CHLOROTOLUENE										
4-METHYL-2-PENTANONE	33 UJ	2 U	3 UJ	2 U	2 UJ	2 U	2 UJ	2 U	2 UJ	2 U
ACETONE									4 UJ	
BENZENE	400	700	1200	1600	6	26	6	0.5 U	1 U	1 U
BROMOBENZENE										
BROMOCHLOROMETHANE										
BROMODICHLOROMETHANE	17 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMOFORM	17 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMOMETHANE	33 U	2 U	2 U	1 U	2 U	2 U	1 U	1 U	2 U	2 U
CARBON DISULFIDE	17 UJ	1 U	2 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
CARBON TETRACHLORIDE	8 U	0.5 U	0.8 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ
CHLOROBENZENE	17 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROETHANE	33 U	2 UJ	3 U	2 U	2 UJ	2 UJ	2 U	2 U	2 UJ	2 UJ
CHLOROFORM	17 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROMETHANE	33 UJ	2 UJ	3 U	2 U	2 UJ	2 UJ	2 U	2 U	2 UJ	2 U
CIS-1,2-DICHLOROETHENE										
CIS-1,3-DICHLOROPROPENE	8 U	0.5 U	0.8 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DIBROMOCHLOROMETHANE	17 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
DIBROMOMETHANE										
DICHLORODIFLUOROMETHANE										
DIISOPROPYL ETHER										
ETHYL TERT-BUTYL ETHER										
ETHYLBENZENE	390	540	910	17	9	12	8	1 U	1 U	1 U
ETHYLENE DIBROMIDE	17 U	0.02 U	0.02 U	0.02 U	1 U	0.02 U	0.02 U	0.02 U	1 U	0.02 U
HEXACHLOROBUTADIENE										
ISOPROPYLBENZENE										

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-3	MW547-3	MW547-3	MW547-3	MW547-4	MW547-4	MW547-4	MW547-4	MW547-5	MW547-5
Sample Code	280-S7C-036	280-S7C-037	280-S7C-038	280-S7C-039	280-S7C-040	280-S7C-042	280-S7C-043	280-S7C-044	280-S7C-045	280-S7C-046
Sampling Date	11/7/1994	2/17/1995	6/21/1995	8/31/1995	11/7/1994	2/17/1995	6/21/1995	8/29/1995	11/10/1994	2/20/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte										
M,P-XYLENE										
METHYLENE CHLORIDE	17 U	1 UJ	2 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
METHYL-T-BUTYL ETHER										
NAPHTHALENE										
N-BUTYLBENZENE										
N-PROPYLBENZENE										
O-XYLENE										
P-ISOPROPYLTOLUENE										
SEC-BUTYLBENZENE										
STYRENE	17 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TERT-AMYL METHYL ETHER										
TERT-BUTANOL										
TERT-BUTYLBENZENE										
TETRACHLOROETHENE	17 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TOLUENE	17 U	1	1 J	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRANS-1,2-DICHLOROETHENE										
TRANS-1,3-DICHLOROPROPENE	8 U	0.5 U	0.8 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	17 U	1 U	2 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
TRICHLOROFLUOROMETHANE										
VINYL ACETATE										
VINYL CHLORIDE	8 U	0.5 U	0.8 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
XYLENE (TOTAL)	17 U	1 U	2 U	4	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

UG/L Micrograms per liter

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-5	MW547-5	D07C-01	D07C-01	D07C-01	D07C-01	M07C-08	M07C-08	M07C-08	M07C-08
Sample Code	280-S7C-047	280-S7C-048	108-S22-003	108-S22-005	108-S22-009	108-S22-013	108-S22-002	108-S22-007	108-S22-011	108-S22-014
Sampling Date	6/21/1995	8/29/1995	11/11/1997	2/4/1998	5/14/1998	8/7/1998	11/7/1997	2/11/1998	5/13/1998	8/11/1998
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998
Analyte										
1,1,1,2-TETRACHLOROETHANE										
1,1,1-TRICHLOROETHANE	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
1,1,2-TRICHLOROETHANE	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
1,1-DICHLOROETHANE	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
1,1-DICHLOROETHENE	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
1,1-DICHLOROPROPENE										
1,2,3-TRICHLOROBENZENE										
1,2,3-TRICHLOROPROPANE										
1,2,4-TRICHLOROBENZENE			1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
1,2,4-TRIMETHYLBENZENE										
1,2-DIBROMO-3-CHLOROPROPANE			1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	1 U
1,2-DICHLOROBENZENE			1 UJ	1 U	1 U	1 UJ	3 J	1 U	1 U	1 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHENE (TOTAL)	1 U	1 U								
1,2-DICHLOROPROPANE	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
1,3,5-TRIMETHYLBENZENE										
1,3-DICHLOROBENZENE			1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
1,3-DICHLOROPROPANE										
1,4-DICHLOROBENZENE			1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
2,2-DICHLOROPROPANE										
2-BUTANONE			5 UJ				5 UJ			
2-CHLOROTOLUENE										
2-HEXANONE	2 UJ	2 U	5 UJ	5 U	5 U		5 UJ	5 U	5 U	
4-CHLOROTOLUENE										
4-METHYL-2-PENTANONE	2 UJ	2 U	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 UJ
ACETONE										
BENZENE	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
BROMOBENZENE										
BROMOCHLOROMETHANE			1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
BROMODICHLOROMETHANE	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
BROMOFORM	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
BROMOMETHANE	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 U	1 U	1 U
CARBON DISULFIDE	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
CHLOROETHANE	2 U	2 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
CHLOROFORM	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
CHLOROMETHANE	2 U	2 U	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 U	1 U	1 U
CIS-1,2-DICHLOROETHENE			1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
DIBROMOCHLOROMETHANE	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
DIBROMOMETHANE										
DICHLORODIFLUOROMETHANE										
DIISOPROPYL ETHER										
ETHYL TERT-BUTYL ETHER										
ETHYLBENZENE	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
ETHYLENE DIBROMIDE	0.02 U	0.02 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
HEXACHLOROBUTADIENE										
ISOPROPYLBENZENE										

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-5	MW547-5	D07C-01	D07C-01	D07C-01	D07C-01	M07C-08	M07C-08	M07C-08	M07C-08
Sample Code	280-S7C-047	280-S7C-048	108-S22-003	108-S22-005	108-S22-009	108-S22-013	108-S22-002	108-S22-007	108-S22-011	108-S22-014
Sampling Date	6/21/1995	8/29/1995	11/11/1997	2/4/1998	5/14/1998	8/7/1998	11/7/1997	2/11/1998	5/13/1998	8/11/1998
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998
Analyte										
M,P-XYLENE										
METHYLENE CHLORIDE	1 U	1 U	2 UJ	2 U	2 U	2 UJ	2 UJ	2 U	2 U	2 U
METHYL-T-BUTYL ETHER										
NAPHTHALENE										
N-BUTYLBENZENE										
N-PROPYLBENZENE										
O-XYLENE										
P-ISOPROPYLTOLUENE										
SEC-BUTYLBENZENE										
STYRENE	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
TERT-AMYL METHYL ETHER										
TERT-BUTANOL										
TERT-BUTYLBENZENE										
TETRACHLOROETHENE	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
TOLUENE	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
TRANS-1,2-DICHLOROETHENE			1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
TRICHLOROETHENE	1 U	1 U	1 UJ	1 U	1 U	1 UJ	20 J	1 U	1 U	1 U
TRICHLOROFLUOROMETHANE										
VINYL ACETATE										
VINYL CHLORIDE	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U	0.5 U	0.5 U
XYLENE (TOTAL)	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U

Notes:

UG/L Micrograms per liter

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-4	MW547-4	MW547-4	MW547-4	D07C-01	D07C-01	M07C-08	M07C-08	MW547-3
Sample Code	108-S22-004	108-S22-008	108-S22-012	108-S22-015	D07C-01-A1636	D07C-01-A1135	M07C-08-A1641	M07C-08-A1140	MW547-3-A1657
Sampling Date	11/10/1997	2/11/1998	5/13/1998	8/11/1998	12/17/2002	7/11/2002	12/17/2002	7/24/2002	12/17/2002
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1998	FO 1998	FO 1998	FO 1998	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003
Analyte									
1,1,1,2-TETRACHLOROETHANE					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-TRICHLOROETHANE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-TETRACHLOROETHANE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-TRICHLOROETHANE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROETHANE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
1,1-DICHLOROETHENE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-DICHLOROPROPENE					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-TRICHLOROBENZENE					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-TRICHLOROPROPANE					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-TRICHLOROBENZENE	1 U	1 U	1 U	1 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-TRIMETHYLBENZENE					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DIBROMO-3-CHLOROPROPANE	1 U	1 U	1 UJ	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROBENZENE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHANE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-DICHLOROETHENE (TOTAL)									
1,2-DICHLOROPROPANE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-TRIMETHYLBENZENE					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-DICHLOROBENZENE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-DICHLOROPROPANE					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-DICHLOROBENZENE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-DICHLOROPROPANE					0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 UJ
2-BUTANONE					10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
2-CHLOROTOLUENE					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-HEXANONE	5 UJ	5 U	5 U		10 U	10 UJ	10 U	10 U	10 U
4-CHLOROTOLUENE					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-METHYL-2-PENTANONE	5 U	5 U	5 U	5 UJ	10 U	10 U	10 U	10 UJ	10 U
ACETONE					0.9 UJ	10 UJ	1.3 UJ	10 U	1.3 J
BENZENE	0.5 U	13	12 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	690
BROMOBENZENE					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOCHLOROMETHANE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMODICHLOROMETHANE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOFORM	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
BROMOMETHANE	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.6 J
CARBON DISULFIDE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CARBON TETRACHLORIDE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROBENZENE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROETHANE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
CHLOROFORM	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
CHLOROMETHANE	1 U	1 U	1 U	1 UJ	1 U	1 U	0.2 J	1 U	1 U
CIS-1,2-DICHLOROETHENE	1 U	1 U	1 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 UJ	0.5 U
CIS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U					
DIBROMOCHLOROMETHANE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DIBROMOMETHANE					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
DICHLORODIFLUOROMETHANE					1 UJ	1 U	1 UJ	1 U	1 UJ
DIISOPROPYL ETHER					0.5 U	0.5 U	0.5 U	0.5 U	0.3 J
ETHYL TERT-BUTYL ETHER					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
ETHYLBENZENE	1 U	7	3	1 U	0.5 U	0.5 U	0.5 U	0.5 U	34
ETHYLENE DIBROMIDE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
HEXACHLOROBUTADIENE					0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 UJ
ISOPROPYLBENZENE					0.5 U	0.5 U	0.5 U	0.5 U	110

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-4	MW547-4	MW547-4	MW547-4	D07C-01	D07C-01	M07C-08	M07C-08	MW547-3
Sample Code	108-S22-004	108-S22-008	108-S22-012	108-S22-015	D07C-01-A1636	D07C-01-A1135	M07C-08-A1641	M07C-08-A1140	MW547-3-A1657
Sampling Date	11/10/1997	2/11/1998	5/13/1998	8/11/1998	12/17/2002	7/11/2002	12/17/2002	7/24/2002	12/17/2002
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1998	FO 1998	FO 1998	FO 1998	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003
Analyte									
M,P-XYLENE					0.5 U	0.5 U	0.5 U	0.5 U	1.5
METHYLENE CHLORIDE	2 U	2 U	2 U	2 U	5 UJ	5 U	0.2 UJ	5 U	5 UJ
METHYL-T-BUTYL ETHER					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
NAPHTHALENE					2 U	2 U	2 U	2 U	380
N-BUTYLBENZENE					0.5 U	0.5 U	0.5 U	0.5 U	21
N-PROPYLBENZENE					0.5 U	0.5 U	0.5 U	0.5 U	260
O-XYLENE					0.5 U	0.5 U	0.5 U	0.5 U	0.7
P-ISOPROPYLTOLUENE					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
SEC-BUTYLBENZENE					0.5 U	0.5 U	0.5 U	0.5 U	17
STYRENE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TERT-AMYL METHYL ETHER					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TERT-BUTANOL					10 U	20 U	10 U	20 U	130
TERT-BUTYLBENZENE					0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
TETRACHLOROETHENE	1 U	1 U	1 U	1 U	0.5 UJ	0.5 U	0.5 UJ	0.5 U	0.5 UJ
TOLUENE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U	1
TRANS-1,2-DICHLOROETHENE	1 U	1 U	1 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
TRANS-1,3-DICHLOROPROPENE	0.5 U	0.5 U	0.5 U	0.5 U					
TRICHLOROETHENE	1 U	1 U	1 U	1 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U
TRICHLOROFLUOROMETHANE					1 U	1 U	1 U	1 U	1 U
VINYL ACETATE									
VINYL CHLORIDE	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
XYLENE (TOTAL)	1 U	1	1 U	1 U					

Notes:

UG/L Micrograms per liter

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-3	MW547-3	MW547-3	MW547-1	MW547-2	MW547-3	MW547-4
Sample Code	MW547-3-A2000	MW547-3-A1156	MW547-3-A1348	MW547-1 [08/07/90]	MW547-2 [08/06/90]	MW547-3 [08/07/90]	MW547-4 [08/06/90]
Sampling Date	4/10/2003	6/20/2002	9/5/2002	8/7/1990	8/8/1990	8/7/1990	8/6/1990
Sampling Depth (feet bgs)	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	GWM 2003	GWM 2003	GWM 2003	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
1,1,1,2-TETRACHLOROETHANE	3.6 U	8.3 U	3.6 U				
1,1,1-TRICHLOROETHANE	3.6 U	8.3 U	3.6 U	5 U	5 U	50 U	50 U
1,1,2,2-TETRACHLOROETHANE	3.6 U	8.3 U	3.6 U	5 U	5 U	50 U	50 U
1,1,2-TRICHLOROETHANE	3.6 U	8.3 U	3.6 U	5 U	5 U	50 U	50 U
1,1-DICHLOROETHANE	3.6 U	8.3 U	3.6 U	5 U	5 U	50 U	50 U
1,1-DICHLOROETHENE	3.6 U	8.3 U	3.6 U	5 U	5 U	50 U	50 U
1,1-DICHLOROPROPENE	3.6 U	8.3 U	3.6 U				
1,2,3-TRICHLOROBENZENE	3.6 U	8.3 U	3.6 U				
1,2,3-TRICHLOROPROPANE	3.6 U	8.3 U	3.6 U				
1,2,4-TRICHLOROBENZENE	3.6 U	8.3 U	3.6 U				
1,2,4-TRIMETHYLBENZENE	3.6 U	8.3 U	3.6 U				
1,2-DIBROMO-3-CHLOROPROPANE	3.6 U	8.3 U	3.6 U				
1,2-DICHLOROBENZENE	2.4 J	8.3 U	0.8 J				
1,2-DICHLOROETHANE	3.6 U	8.3 U	3.6 U	5 U	5 U	50 U	50 U
1,2-DICHLOROETHENE (TOTAL)				5 U	5 U	50 U	50 U
1,2-DICHLOROPROPANE	3.6 U	8.3 U	3.6 U	5 U	5 U	50 U	50 U
1,3,5-TRIMETHYLBENZENE	3.6 U	8.3 U	3.6 U				
1,3-DICHLOROBENZENE	3.6 U	8.3 U	3.6 U				
1,3-DICHLOROPROPANE	3.6 U	8.3 U	3.6 U				
1,4-DICHLOROBENZENE	3.6 U	8.3 U	3.6 U				
2,2-DICHLOROPROPANE	3.6 U	8.3 U	3.6 U				
2-BUTANONE	71 U	170 U	71 U	10 U	10 U	100 U	100 U
2-CHLOROTOLUENE	3.6 U	8.3 U	3.6 U				
2-HEXANONE	71 U	170 U	71 U	10 U	10 U	100 U	100 U
4-CHLOROTOLUENE	3.6 U	8.3 U	3.6 U				
4-METHYL-2-PENTANONE	71 U	170 U	71 U	10 U	10 U	100 U	100 U
ACETONE	71 U	170 U	8.4 J	10 U	10 U	100 U	100 U
BENZENE	1300	2800	1300	5 U	5 U	900	550
BROMOBENZENE	3.6 U	8.3 U	3.6 U				
BROMOCHLOROMETHANE	3.6 U	8.3 U	3.6 U				
BROMODICHLOROMETHANE	3.6 U	8.3 U	3.6 U	5 U	5 U	50 U	50 U
BROMOFORM	7.1 U	17 U	7.1 U	5 U	5 U	50 U	50 U
BROMOMETHANE	7.1 U	17 U	7.1 U	10 U	10 U	100 U	100 U
CARBON DISULFIDE	3.6 U	8.3 U	3.6 U	5 U	5 U	50 U	50 U
CARBON TETRACHLORIDE	3.6 U	8.3 U	3.6 U	5 U	5 U	50 U	50 U
CHLOROBENZENE	3.6 U	8.3 U	3.6 U	5 U	5 U	50 U	50 U
CHLOROETHANE	7.1 U	17 U	7.1 U	10 U	10 U	100 U	100 U
CHLOROFORM	19	8.3 U	3.6 U	5 U	5 U	50 U	50 U
CHLOROMETHANE	7.1 U	17 U	7.1 U	10 U	10 U	100 U	100 U
CIS-1,2-DICHLOROETHENE	3.6 U	8.3 U	3.6 U				
CIS-1,3-DICHLOROPROPENE				5 U	5 U	50 U	50 U
DIBROMOCHLOROMETHANE	3.6 U	8.3 U	3.6 U	5 U	5 U	50 U	50 U
DIBROMOMETHANE	3.6 U	8.3 U	3.6 U				
DICHLORODIFLUOROMETHANE	7.1 UJ	17 U	7.1 U				
DIISOPROPYL ETHER	3.6 U	8.3 U	3.6 U				
ETHYL TERT-BUTYL ETHER	3.6 U	8.3 U	3.6 U				
ETHYLBENZENE	34	38	26	5 U	5 U	1100	1600
ETHYLENE DIBROMIDE	3.6 U	8.3 U	3.6 U				
HEXACHLOROBUTADIENE	3.6 U	8.3 U	3.6 U				
ISOPROPYLBENZENE	120	120	100				

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-3	MW547-3	MW547-3	MW547-1	MW547-2	MW547-3	MW547-4
Sample Code	MW547-3-A2000	MW547-3-A1156	MW547-3-A1348	MW547-1 [08/07/90]	MW547-2 [08/08/90]	MW547-3 [08/07/90]	MW547-4 [08/06/90]
Sampling Date	4/10/2003	6/20/2002	9/5/2002	8/7/1990	8/8/1990	8/7/1990	8/6/1990
Sampling Depth (feet bgs)	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	GWM 2003	GWM 2003	GWM 2003	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
M,P-XYLENE	3.6 U	7.9 J	2 J				
METHYLENE CHLORIDE	36 U	5.5 U	36 U	17 UJ	5 U	170 UJ	190 UJ
METHYL-T-BUTYL ETHER	3.6 U	2.3 U	3.6 U				
NAPHTHALENE	370	280	290				
N-BUTYLBENZENE	19	21	18				
N-PROPYLBENZENE	260	280	270				
O-XYLENE	3.6 U	8.3 U	3.6 U				
P-ISOPROPYLTOLUENE	3.6 U	8.3 U	3.6 U				
SEC-BUTYLBENZENE	18	18	2.8 J				
STYRENE	3.6 U	8.3 U	3.6 U	5 U	5 U	50 U	50 U
TERT-AMYL METHYL ETHER	3.6 U	8.3 U	3.6 U				
TERT-BUTANOL	210	330 U	110 J				
TERT-BUTYLBENZENE	3.6 U	8.3 U	3.6 U				
TETRACHLOROETHENE	2.6 J	8.3 U	3.6 U	5 U	5 U	50 U	50 U
TOLUENE	1.3 J	8.3 U	0.7 J	5 U	5 U	50 U	50 U
TRANS-1,2-DICHLOROETHENE	3.6 U	8.3 U	3.6 U				
TRANS-1,3-DICHLOROPROPENE				5 U	5 U	50 U	50 U
TRICHLOROETHENE	1.9 J	8.3 U	3.6 U	5 U	5 U	50 U	50 U
TRICHLOROFLUOROMETHANE	7.1 U	17 U	7.1 U				
VINYL ACETATE				5 U	5 U	50 U	50 U
VINYL CHLORIDE	3.6 U	8.3 U	3.6 U	10 U	10 U	100 U	100 U
XYLENE (TOTAL)				5 U	5 U	110	50 U

Notes:

UG/L Micrograms per liter

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-5
Sample Code	MW547-5 [08/06/90]
Sampling Date	8/6/1990
Sampling Depth (feet bgs)	-
Units	UG/L
Investigation	PH 1&2A 1991
Analyte	
1,1,1,2-TETRACHLOROETHANE	
1,1,1-TRICHLOROETHANE	50 U
1,1,2,2-TETRACHLOROETHANE	50 U
1,1,2-TRICHLOROETHANE	50 U
1,1-DICHLOROETHANE	50 U
1,1-DICHLOROETHENE	50 U
1,1-DICHLOROPROPENE	
1,2,3-TRICHLOROBENZENE	
1,2,3-TRICHLOROPROPANE	
1,2,4-TRICHLOROBENZENE	
1,2,4-TRIMETHYLBENZENE	
1,2-DIBROMO-3-CHLOROPROPANE	
1,2-DICHLOROBENZENE	
1,2-DICHLOROETHANE	50 U
1,2-DICHLOROETHENE (TOTAL)	50 U
1,2-DICHLOROPROPANE	50 U
1,3,5-TRIMETHYLBENZENE	
1,3-DICHLOROBENZENE	
1,3-DICHLOROPROPANE	
1,4-DICHLOROBENZENE	
2,2-DICHLOROPROPANE	
2-BUTANONE	100 U
2-CHLOROTOLUENE	
2-HEXANONE	100 U
4-CHLOROTOLUENE	
4-METHYL-2-PENTANONE	100 U
ACETONE	100 U
BENZENE	530
BROMOBENZENE	
BROMOCHLOROMETHANE	
BROMODICHLOROMETHANE	50 U
BROMOFORM	50 U
BROMOMETHANE	100 U
CARBON DISULFIDE	50 U
CARBON TETRACHLORIDE	50 U
CHLOROBENZENE	50 U
CHLOROETHANE	100 U
CHLOROFORM	50 U
CHLOROMETHANE	100 U
CIS-1,2-DICHLOROETHENE	
CIS-1,3-DICHLOROPROPENE	50 U
DIBROMOCHLOROMETHANE	50 U
DIBROMOMETHANE	
DICHLORODIFLUOROMETHANE	
DIISOPROPYL ETHER	
ETHYL TERT-BUTYL ETHER	
ETHYLBENZENE	1800
ETHYLENE DIBROMIDE	
HEXACHLOROBUTADIENE	
ISOPROPYLBENZENE	

TABLE E-131: SITE 22 VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-5
Sample Code	MW547-5 [08/06/90]
Sampling Date	8/6/1990
Sampling Depth (feet bgs)	-
Units	UG/L
Investigation	PH 1&2A 1991
Analyte	
M,P-XYLENE	
METHYLENE CHLORIDE	50 U
METHYL-T-BUTYL ETHER	
NAPHTHALENE	
N-BUTYLBENZENE	
N-PROPYLBENZENE	
O-XYLENE	
P-ISOPROPYLTOLUENE	
SEC-BUTYLBENZENE	
STYRENE	50 U
TERT-AMYL METHYL ETHER	
TERT-BUTANOL	
TERT-BUTYLBENZENE	
TETRACHLOROETHENE	50 U
TOLUENE	50 U
TRANS-1,2-DICHLOROETHENE	
TRANS-1,3-DICHLOROPROPENE	50 U
TRICHLOROETHENE	50 U
TRICHLOROFLUOROMETHANE	
VINYL ACETATE	50 U
VINYL CHLORIDE	100 U
XYLENE (TOTAL)	50 U

Notes:

UG/L Micrograms per liter

TABLE E-132: SITE 22 DISSOLVED METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	D07C-01	D07C-01	D07C-01	D07C-01	DHP-S07C-01	DHP-S07C-02	DHP-S07C-03	DHP-S07C-04	M07C-08
Sample Code	280-S7C-088	280-S7C-089	280-S7C-090	280-S7C-091	280-S7C-066	280-S7C-067	280-S7C-069	280-S7C-070	280-S7C-058
Sampling Date	12/16/1994	2/20/1995	6/22/1995	9/20/1995	7/28/1994	8/2/1994	7/29/1994	8/1/1994	11/7/1994
Sampling Depth (feet bgs)	-	-	-	-	22.5 -	21 -	26 -	16 -	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
ALUMINUM	28.2 U	40.8 U	20.7 U	20.7 UJ	60.7 UJ	42.4 U	374	304	28.2 U
ANTIMONY	2.2 U	2.2 U	6.4 U	5.6 U	3.7 J	4.6 J	7.3 UJ	7.1 J	3.3 U
ARSENIC	5 U	5 U	4 U	2.8 U	9.7 J	2.6 U	2.6 U	2.7 J	5 J
BARIUM	120 J	131 J	107 J	130 J	177 J	91.5 J	72.9 J	207	42.4 J
BERYLLIUM	1.5 UJ	0.8 U	0.7 U	0.17 UJ	2.7 UJ	2 UJ	2 UJ	2 UJ	1.4 J
CADMIUM	0.4 U	0.58 J	0.58 UJ	0.3 U	0.4 U	0.4 U	0.4 U	0.4 U	0.3 U
CALCIUM	132000 J	129000	120000	116000	121000	31300	18400	94200	64200
CHROMIUM	1.6 U	1.6 U	0.85 UJ	1 U	0.4 U	0.4 U	1.2 UJ	0.4 U	0.6 U
COBALT	7.7 U	5.6 U	4.6 U	3.8 U	6.6 U	8.5 J	6.6 U	10.2 UJ	7.7 U
COPPER	10.7 UJ	2.7 UJ	14.4 UJ	12 U	16.1 J	21.9 J	19.2 J	18.2 J	25.1
IRON	9.1 UJ	6.7 U	3.2 U	4.8 U	3050	171	475	353	52.5 UJ
LEAD	1 U	1 U	1.3 U	1.1 U	1.2 U	1.2 U	1.2 U	1.2 U	1.5 U
MAGNESIUM	132000	130000	126000	123000	129000	35000	19400	95500	14900
MANGANESE	1130	1090	908	1010	12100	759	351	2440	690
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MOLYBDENUM	12.7 U	9.6 U	12.8 UJ	7.9 U	18.4 UJ	18 UJ	34.4 UJ	17.4 J	12.7 U
NICKEL	9.3 U	11.3 U	9.3 U	7.5 U	27.5 J	19.2 J	16.3 U	33.6 J	9.3 U
POTASSIUM	2840 UJ	2250 J	2300 J	1420 UJ	1910 UJ	2360 UJ	2160 UJ	4830 J	18900
SELENIUM	2.7 U	2.7 U	2.6 U	2.4 U	2.7 U	2.7 U	2.7 U	2.7 U	3 U
SILVER		2 U	0.9 U	0.9 U	0.9 U	0.9 U	1.8 UJ	0.9 U	1.4 U
SODIUM	225000 J	226000	216000	214000	63900	106000	306000	190000	35400
THALLIUM	3.8 U	3.8 U	2.9 U	3.4 U	20.3	2 U	4.7 UJ	4.3 UJ	2.4 UJ
TITANIUM									
VANADIUM	7.3 J	11.2 UJ	7.2 U	5.1 UJ	6.8 U	6.8 U	6.8 U	6.8 U	7.6 J
ZINC	27 UJ	6.7 UJ	5.3 U	13.1 U	114	268	50.7 UJ	17 UJ	34

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-132: SITE 22 DISSOLVED METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	M07C-08	M07C-08	M07C-08	MW547-1	MW547-1	MW547-1	MW547-1	MW547-2	MW547-2
Sample Code	280-S7C-059	280-S7C-060	280-S7C-061	280-S7C-028	280-S7C-029	280-S7C-030	280-S7C-031	280-S7C-032	280-S7C-033
Sampling Date	2/17/1995	6/21/1995	8/31/1995	11/8/1994	2/20/1995	6/20/1995	8/31/1995	11/8/1994	2/20/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
ALUMINUM	40.8 U	20.7 U	21.8 UJ	30.2 UJ	50.8 UJ	20.7 U	1140	28.2 U	40.8 U
ANTIMONY	4.4 UJ	6.4 U	5.6 U	3.3 U	2.2 U	6.4 U	5.6 U	3.3 U	2.2 U
ARSENIC	7.7 J	4 U	3.8 J	10 J	5.6 J	6.4 J	8.6 J	4.5 J	5 U
BARIUM	57.6 J	101 J	212	28.2 J	14.6 UJ	9.9 UJ	17.4 J	81.2 J	114 J
BERYLLIUM	0.8 U	0.7 U	0.1 U	1.4 J	0.8 U	0.7 U	0.1 U	1.4 J	0.8 U
CADMIUM	0.4 U	0.3 U	0.3 U	0.3 U	0.4 U	0.3 U	0.36 J	0.3 U	9
CALCIUM	156000	55800 J	98700	8530	8560	7400	7170	36400	54500
CHROMIUM	1.6 U	0.7 U	1 U	0.6 U	1.6 U	0.7 U	3.1 J	0.6 U	1.6 U
COBALT	5.6 U	4.6 U	3.8 U	7.7 U	5.6 U	4.6 U	3.8 U	7.7 U	5.6 U
COPPER	13.8 UJ	21.5 UJ	15.5 UJ	4.3 UJ	4.1 UJ	4.2 U	12 U	4.3 UJ	4.6 UJ
IRON	6.7 U	9.3 UJ	38.3 UJ	172 UJ	63.4 UJ	19 UJ	857	24.7 UJ	6.7 U
LEAD	1 U	1.3 U	1.1 U	1.5 U	1 U	1.3 U	1.1 U	1.5 U	1 U
MAGNESIUM	44800	9250 J	15000	7300	7090	6030	5890	24700	34000
MANGANESE	10.6 J	214	1290	983	1060	862	666	1210	1860
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MOLYBDENUM	9.6 U	9.8 U	8.4 UJ	12.7 U	9.6 U	9.8 U	7.9 U	12.7 U	9.6 U
NICKEL	11.3 U	23 UJ	20.9 J	9.3 U	11.3 U	12.2 UJ	13.9 J	9.3 U	11.3 U
POTASSIUM	4480 J	20300	32600	6960	6780	6180	6670	8360	13900
SELENIUM	2.7 U	2.6 U	2.4 U	3 U	2.7 U	2.6 U	2.4 U	3 U	2.7 U
SILVER	2 U	0.9 U	0.9 U	1.4 U	2 U	0.9 U	0.9 U	1.4 U	2 U
SODIUM	121000	19200 J	48200	252000	209000	208000	219000	126000	167000
THALLIUM	3.8 U	2.9 U	4.2 J	2.3 U	3.8 U	2.9 U	3.4 U	2.3 U	3.8 U
TITANIUM									
VANADIUM	4.2 U	7.2 U	11.9 UJ	7 U	4.2 U	7.2 U	7.1 UJ	7 U	5.6 UJ
ZINC	9.2 UJ	21.5 UJ	23.1	10.6 UJ	7.1 UJ	5.3 U	13.1 U	6.1 UJ	9.2 UJ

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-132: SITE 22 DISSOLVED METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-2	MW547-2	MW547-3	MW547-3	MW547-3	MW547-3	MW547-4	MW547-4	MW547-4
Sample Code	280-S7C-034	280-S7C-035	280-S7C-036	280-S7C-037	280-S7C-038	280-S7C-039	280-S7C-040	280-S7C-042	280-S7C-043
Sampling Date	6/20/1995	8/29/1995	11/7/1994	2/17/1995	6/21/1995	8/31/1995	11/7/1994	2/17/1995	6/21/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
ALUMINUM	20.7 U	12.4 UJ	28.2 U	40.8 U	20.7 U	8.4 U	44.5 UJ	40.8 U	20.7 U
ANTIMONY	6.4 U	5.6 U	3.3 U	2.2 U	6.4 U	5.6 U	3.3 U	2.2 U	6.4 U
ARSENIC	4 J	2.8 U	28.4	18.7	15.6	12.4	32.3	21.4	21.1
BARIUM	188 J	175 J	136 J	82.6 J	155 J	132 J	232	175 J	188 J
BERYLLIUM	0.7 U	0.1 U	1.4 J	0.8 U	0.7 U	0.1 U	1.1 J	0.85 J	0.75 J
CADMIUM	3.1 J	1.2 UJ	0.3 U	0.4 U	0.3 U	0.3 U	0.3 U	0.4 U	0.3 U
CALCIUM	89600	78100	45300	48200	57400	54200	89700	80000	78200
CHROMIUM	0.7 U	1 U	0.6 U	1.6 U	0.7 U	1 U	0.6 U	1.6 U	0.7 U
COBALT	4.6 U	3.8 U	7.7 U	5.6 U	4.6 U	3.8 U	7.7 U	5.6 U	4.6 U
COPPER	4.2 U	12 U	2 U	6.8 UJ	4.2 U	12 U	2.2 UJ	2.7 UJ	4.2 U
IRON	86.8 UJ	51.9 UJ	510	34 UJ	49.4 UJ	71.1 J	9520	7540	6920
LEAD	1.3 U	1.1 U	1.5 U	1 U	1.3 U	1.1 U	1.5 U	1 U	1.3 U
MAGNESIUM	60500	53600	50700	54200	67300	63800	38400	35100	35400
MANGANESE	3300	2810	3120	3950	4340	3810	4490	4020	3850
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MOLYBDENUM	9.8 U	7.9 U	12.7 U	9.6 U	12.8 UJ	7.9 U	12.7 U	9.6 U	9.8 U
NICKEL	18.2 UJ	12.6 J	9.3 U	11.3 U	14.2 UJ	7.5 U	9.3 U	11.3 U	16.1 UJ
POTASSIUM	16800	18600	16900	17200	21000	20500	12700	11800	13300
SELENIUM	2.6 U	2.4 U	3 U	2.7 U	2.6 U	2.4 U	3 U	2.7 U	2.6 U
SILVER	0.9 U	0.9 U	1.4 U	2 U	0.9 U	0.9 U	1.4 U	2 U	0.9 U
SODIUM	161000	186000	212000	219000	215000	210000	141000	136000	114000
THALLIUM	2.9 U	3.4 U	2.3 U	3.8 U	2.9 U	7.3 J	5.8 UJ	3.8 U	2.9 U
TITANIUM									
VANADIUM	7.2 U	3.7 U	7.2 J	5.8 UJ	7.2 U	9.4 UJ	7 U	4.2 U	7.2 U
ZINC	5.3 U	13.1 U	23.3 UJ	8.2 UJ	5.3 U	13.1 U	10.6 UJ	11.8 UJ	5.3 U

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-132: SITE 22 DISSOLVED METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-4	MW547-5	MW547-5	MW547-5	MW547-5	D07C-01	D07C-01	D07C-01	M07C-08
Sample Code	280-S7C-044	280-S7C-045	280-S7C-046	280-S7C-047	280-S7C-048	108-S22-003	108-S22-005	108-S22-009	108-S22-002
Sampling Date	8/29/1995	11/10/1994	2/20/1995	6/21/1995	8/29/1995	11/11/1997	2/4/1998	5/14/1998	11/7/1997
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1998	FO 1998	FO 1998	FO 1998
Analyte									
ALUMINUM	8.4 U	28.2 U	40.8 U	20.7 U	12.4 UJ	36.3 UJ	8.7 UJ	21.5 UJ	38.2 UJ
ANTIMONY	5.6 U	3.3 U	2.2 U	6.4 U	5.6 U	1.6 UJ	0.7 U	0.85 U	2.8 UJ
ARSENIC	26.2	3.4 U	6 J	10	19	1 U	0.8 U	1 U	2.6 J
BARIUM	217	83.8 J	311	249	130 J	118	104	353	140
BERYLLIUM	0.28 UJ	1.4 J	0.8 U	0.7 U	0.1 U	0.15 U	0.1 U	0.1 U	0.15 U
CADMIUM	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.42 J	0.36 J	0.22 J	0.18 J
CALCIUM	87200	33900	132000	91200	61300	96900	85900	99000	66800
CHROMIUM	1 U	0.6 U	1.6 U	0.7 U	1 U	0.3 U	0.2 U	0.35 U	0.84 UJ
COBALT	3.8 U	7.7 U	5.6 U	4.6 U	3.8 U	1.7 J	1.5 J	1.6 J	1.6 J
COPPER	12 U	4 UJ	9.8 UJ	4.2 U	12 U	0.65 U	0.6 UJ	2.8 J	9.8
IRON	8910	51.4 UJ	104 UJ	333	1010	5.6 U	211 UJ	83 UJ	5.6 U
LEAD	1.1 U	1.5 U	1 U	1.3 U	1.1 U	0.65 U	0.6 UJ	0.5 U	0.65 U
MAGNESIUM	38400	26500	53600	54900	48600	101000	92600	101000	12500
MANGANESE	4340	1140	1860	2370	2370	798	514	774	579
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	7.9 U	12.7 U	14 J	9.8 U	9.7 UJ	0.94 UJ	0.3 J	0.55 UJ	8.1
NICKEL	7.5 U	9.3 U	11.3 U	13.8 UJ	7.5 U	8.5	6 J	4.2 J	20.5
POTASSIUM	13700	4990 J	15500	10800	8390	2610	2300 J	2980 J	21900 J
SELENIUM	2.4 U	3 U	2.7 U	2.6 U	2.4 U	1 U	1.1 UJ		1 U
SILVER	0.9 U	1.4 U	2 U	0.9 U	0.9 U	0.35 U	0.15 U	0.3 U	0.35 U
SODIUM	142000	200000	82100	155000	188000	185000	173000	200000	32700
THALLIUM	10	2.3 U	3.8 U	2.9 U	6.4 J	0.9 U	1.3 U	1.4 U	0.9 U
TITANIUM									
VANADIUM	4 UJ	7 U	11.4 UJ	7.2 U	5.4 UJ	2.6 UJ	2.3 UJ	3.1 UJ	6.7 UJ
ZINC	13.1 U	7.6 UJ	13.2 UJ	5.3 U	13.1 U	10.5	5.5 UJ	105	17.5

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-132: SITE 22 DISSOLVED METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	M07C-08	M07C-08	MW547-4	MW547-4	MW547-4	D07C-01	D07C-01	M07C-08
Sample Code	108-S22-007	108-S22-011	108-S22-004	108-S22-008	108-S22-012	D07C-01-A1636	D07C-01-A1135	M07C-08-A1641
Sampling Date	2/11/1998	5/13/1998	11/10/1997	2/11/1998	5/13/1998	12/17/2002	7/11/2002	12/17/2002
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	GWM 2003	GWM 2003	GWM 2003
Analyte								
ALUMINUM	66.6 UJ	2600	27.8 UJ	32.3 UJ	291	6.1 J	3.5 J	110
ANTIMONY	2.7 UJ	1.9 J	0.9 UJ	0.7 U	0.85 U	0.079 J	50 U	3.2 J
ARSENIC	3.9 J	3.8 J	35.7	18.1	20.9	0.96 J	0.99 J	5.9
BARIUM	62.3 J	256	174	186	200	89	89	72
BERYLLIUM	0.1 U	0.1 U	0.15 U	0.1 U	0.1 U	2 U	2 U	2 U
CADMIUM	0.2 U	1.7 J	0.33 J	0.2 U	0.32 UJ	0.11 U	5 U	0.11 U
CALCIUM	33700	38600	76900	62600	63400	66000	69000	40000
CHROMIUM	1.9 UJ	9.5	1.1 UJ	0.45 UJ	1.7 J	10 U	10 U	1.7 J
COBALT	0.26 UJ	1.3 J	0.44 J	0.5 UJ	0.54 J	0.48 J	0.98 J	0.34 J
COPPER	25.1	19.1 J	0.65 U	0.35 U	2.1 UJ	1.3 J	10 U	38
IRON	65.4 UJ	3160	8170	8920	4620	300	100 U	300
LEAD	0.62 UJ	2.2 UJ	0.65 U	1.1 UJ	3.6 UJ	0.25 U	3 U	0.64 U
MAGNESIUM	4770	5520	34600	27500	27800	67000	73000	4900
MANGANESE	3.9 UJ	141	3850	3360	3230	190	410	2.1 J
MERCURY	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U	0.2 U	0.15 J
MOLYBDENUM	3.3 UJ	3 J	4.6 UJ	1.9 UJ	2.3 J	0.5 J	20 U	3.4 J
NICKEL	28.8	29.4	3.1 J	1.3 J	2.6 J	20 UJ	20 U	20 UJ
POTASSIUM	10800 J	11500 J	17600	13900 J	14500 J	1200	1300	8900
SELENIUM	1.8 UJ		1.6 J	1.8 UJ		0.38 J	2.2 J	5 UJ
SILVER	0.15 U	0.3 U	0.77 UJ	0.21 J	0.3 U	5 U	5 U	5 U
SODIUM	8300 J	14400	118000	134000 J	114000	160000	180000	13000
THALLIUM	1.4 U	1.4 U	0.9 U	1.4 U	1.4 U	0.18 U	2 U	0.44 U
TITANIUM								
VANADIUM	7 UJ	12.4 J	0.9 UJ	0.43 UJ	1.9 UJ	3.4 J	10 U	8.6 J
ZINC	11.2	90.7	9.7 J	1.4 UJ	11.4 UJ	26 J	20 U	4.9 J

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-132: SITE 22 DISSOLVED METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	M07C-08	MW547-3	MW547-3	MW547-1	MW547-2	MW547-3	MW547-5
Sample Code	M07C-08-A1140	MW547-3-A1657	MW547-3-A1156	MW547-1 [08/07/90]	MW547-2 [08/08/90]	MW547-3 [08/07/90]	MW547-5 [08/06/90]
Sampling Date	7/24/2002	12/17/2002	6/20/2002	8/7/1990	8/8/1990	8/7/1990	8/6/1990
Sampling Depth (feet bgs)	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	MG/L	MG/L	MG/L	MG/L
Investigation	GWM 2003	GWM 2003	GWM 2003	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
ALUMINUM	4.9 J	18 J	210	200	305	143	137
ANTIMONY	60 U	0.86 J	0.9 J	0.06 U	0.06 U	0.06 U	0.06 U
ARSENIC	8.2	30	41	0.086	0.1 U	0.05 U	0.061
BARIUM	180	470	490 J	1.3	1.9	0.71	0.91
BERYLLIUM	2 U	2 U	2 U	0.005 U	0.007	0.005 U	0.005 U
CADMIUM	0.78 J	5 U	5 U	0.005 U	0.005 U	0.005 U	0.005 U
CALCIUM	87000	100000	96000	30	49	24	91
CHROMIUM	10 U	0.23 J	5.8 U	0.53	0.92	0.37	39
COBALT	20 U	5.5 J	6.3 J	0.11	0.16	0.057	0.073
COPPER	12	0.62 J	0.68 J	0.17	0.26	0.1	0.11
IRON	46 J	26000	26000	241	376	152	172
LEAD	3 U	0.43 U	0.33 J	0.082	0.05 U	0.056	0.05 U
MAGNESIUM	13000	94000	86000 J	57	94	46	83
MANGANESE	140	11000	11000 J	3.1	4.9	1.9	4.7
MERCURY	0.2 U	0.2 U	0.2 U				
MOLYBDENUM	6.7 J	3.3 J	3.6 J	0.05 U	0.05 U	0.05 U	0.05 U
NICKEL	21	20 UJ	6.8 J	0.73	1.1	0.49	0.54
POTASSIUM	16000	26000	21000	17	20	16	23
SELENIUM	5 U	5 UJ	0.63 J	0.075	0.15	0.05 U	0.059 U
SILVER	5 U	5 U	5 U	0.012	0.01 U	0.01 U	0.017
SODIUM	32000	240000	200000	214	203	221	246
THALLIUM	5 U	0.056 U	2 U	0.05 U	0.1 U	0.05 U	0.05 U
TITANIUM				4.9	7.7	2.5	3.5
VANADIUM	7.7 J	10 U	7 J	0.44	0.69	0.28	0.29
ZINC	12 J	20 U	4.1 J	0.4	0.68	0.27	0.29

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-132: SITE 22 DISSOLVED METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-5
Sample Code	MW547-5A [08/06/90]
Sampling Date	8/6/1990
Sampling Depth (feet bgs)	-
Units	MG/L
Investigation	PH 1&2A 1991
Analyte	
ALUMINUM	144
ANTIMONY	0.06 U
ARSENIC	0.054
BARIUM	0.76
BERYLLIUM	0.005 U
CADMIUM	0.005 U
CALCIUM	32
CHROMIUM	0.41
COBALT	0.067
COPPER	0.12
IRON	168
LEAD	0.05 U
MAGNESIUM	56
MANGANESE	2.1
MERCURY	
MOLYBDENUM	0.05 U
NICKEL	0.52
POTASSIUM	10
SELENIUM	0.05 U
SILVER	0.01 U
SODIUM	388
THALLIUM	0.05 U
TITANIUM	3.1
VANADIUM	0.29
ZINC	0.31

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-133: SITE 22 TOTAL METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	CAA4C-DGS-DP01	CAA4C-DGS-DP01	CAA4C-DGS-DP02	CAA4C-DGS-DP02	CAA4C-DGS-DP03	CAA4C-DGS-DP03	CAA4C-DGS-DP04
Sample Code	385-CAA4C-001	385-CAA4C-002	385-CAA4C-003	385-CAA4C-004	385-CAA4C-005	385-CAA4C-006	385-CAA4C-007
Sampling Date	4/18/2002	4/18/2002	4/18/2002	4/18/2002	4/17/2002	4/17/2002	4/18/2002
Sampling Depth (feet bgs)	10 -	15 -	12 -	17 -	7 -	12 -	8 -
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	DGS	DGS	DGS	DGS	DGS	DGS	DGS
Analyte							
ALUMINUM							
ANTIMONY							
ARSENIC							
BARIUM							
BERYLLIUM							
CADMIUM							
CALCIUM							
CHROMIUM							
COBALT							
COPPER							
IRON							
LEAD	12	1 UJ	1.1 UJ	1.7 UJ	0.65 U	0.65 U	5.6
MAGNESIUM							
MANGANESE							
MERCURY							
MOLYBDENUM							
NICKEL							
POTASSIUM							
SELENIUM							
SILVER							
SODIUM							
THALLIUM							
VANADIUM							
ZINC							

Notes:

UG/L Micrograms per liter

TABLE E-133: SITE 22 TOTAL METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

(Page 2 of 2)

Location	CAA4C-DGS-DP04	CAA4C-DGS-DP05	CAA4C-DGS-DP05	D07C-01	M07C-08	MW547-4
Sample Code	385-CAA4C-008	385-CAA4C-009	385-CAA4C-010	108-S22-013	108-S22-014	108-S22-015
Sampling Date	4/18/2002	4/18/2002	4/18/2002	8/7/1998	8/11/1998	8/11/1998
Sampling Depth (feet bgs)	13 -	8 -	14 -	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	DGS	DGS	DGS	FO 1998	FO 1998	FO 1998
Analyte						
ALUMINUM				7.4 U	20.5 UJ	7.4 U
ANTIMONY				2 UJ	2.5 J	1.8 U
ARSENIC				2.8 UJ	3.2 UJ	22.7
BARIUM				99.7 J	79.2 J	169 J
BERYLLIUM				0.2 U	0.2 U	0.2 U
CADMIUM				0.3 U	0.3 U	0.3 U
CALCIUM				82900	41700	75700
CHROMIUM				0.8 U	0.8 U	0.8 U
COBALT				0.4 U	4.4 J	2.2 J
COPPER				2.2 UJ	14.4 UJ	3.4 UJ
IRON				125 U	21.4 J	7250
LEAD	1.7 UJ	7.4	0.95 UJ	1.7 U	1.7 U	1.7 U
MAGNESIUM				83200	5650	28400
MANGANESE				129	272	3610
MERCURY				0.1 U	0.1 U	0.1 U
MOLYBDENUM				1 J	4.5 UJ	2.2 UJ
NICKEL				4 UJ	21.5	1.6 UJ
POTASSIUM				1970 J	11800 J	14000 J
SELENIUM				2.2 UJ	2.2 UJ	2.2 UJ
SILVER				0.7 U	0.7 U	0.7 U
SODIUM				171000	12100 J	121000 J
THALLIUM				1.1 U	1.1 U	1.1 U
VANADIUM				1.9 J	9.9 J	1 UJ
ZINC				5.8 UJ	9.5 J	6.9 UJ

Notes:

UG/L Micrograms per liter

TABLE E-134: SITE 22 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	CAA4C-DGS-DP01	CAA4C-DGS-DP01	CAA4C-DGS-DP02	CAA4C-DGS-DP02	CAA4C-DGS-DP03	CAA4C-DGS-DP03
Sample Code	385-CAA4C-001	385-CAA4C-002	385-CAA4C-003	385-CAA4C-004	385-CAA4C-005	385-CAA4C-006
Sampling Date	4/18/2002	4/18/2002	4/18/2002	4/18/2002	4/17/2002	4/17/2002
Sampling Depth (feet bgs)	10 -	15 -	12 -	17 -	7 -	12 -
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	DGS	DGS	DGS	DGS	DGS	DGS
Analyte						
DIESEL RANGE ORGANICS	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U
GASOLINE RANGE ORGANICS	238	41	0.22	3.01	16.4 J	0.21 J
JET FUEL						
JP5 RANGE ORGANICS	7.2 J	4 J	0.07 J	0.1 J	0.93 J	0.22 J
MOTOR OIL RANGE ORGANICS	0.5 U	0.5 U	0.1 U	0.1 U	0.1 U	0.1 U

Location	CAA4C-DGS-DP04	CAA4C-DGS-DP04	CAA4C-DGS-DP05	CAA4C-DGS-DP05	CAA4C-DGS-DP06	CAA4C-DGS-DP07
Sample Code	385-CAA4C-007	385-CAA4C-008	385-CAA4C-009	385-CAA4C-010	385-CAA4C-011A	385-CAA4C-012
Sampling Date	4/18/2002	4/18/2002	4/18/2002	4/18/2002	5/8/2002	5/8/2002
Sampling Depth (feet bgs)	8 -	13 -	8 -	14 -	4 - 8	8 - 12
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	DGS	DGS	DGS	DGS	DGS	DGS
Analyte						
DIESEL RANGE ORGANICS	0.5 U	0.1 U	0.1 U	0.1 U		
GASOLINE RANGE ORGANICS	129	1.02	109	2.04	108	7.08 J
JET FUEL						
JP5 RANGE ORGANICS	4 J	0.08 J	3.12 J	0.41 J		
MOTOR OIL RANGE ORGANICS	0.5 U	0.1 U	0.1 U	0.1 U		

Location	CAA4C-DGS-DP08	CAA4C-DGS-DP09	CAA4C-DGS-DP10	CAA4C-DGS-PZ01	D07C-01	M07C-08
Sample Code	385-CAA4C-013	385-CAA4C-014	385-CAA4C-015	385-CAA4C-011	385-S22-010	385-S22-008
Sampling Date	5/8/2002	5/8/2002	5/8/2002	4/22/2002	7/9/2001	7/5/2001
Sampling Depth (feet bgs)	4 - 8	4 - 8	4 - 8	5 -	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	DGS	DGS	DGS	DGS	DGS	DGS
Analyte						
DIESEL RANGE ORGANICS					0.1 U	0.1 U
GASOLINE RANGE ORGANICS	1.79	0.12	0.27	237	0.05 U	0.05 U
JET FUEL						
JP5 RANGE ORGANICS					0.1 U	0.1 U
MOTOR OIL RANGE ORGANICS					0.1 U	0.2 M

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-134: SITE 22 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-1	MW547-2	MW547-3	MW547-4	MW547-5	D07C-01	D07C-01	DHP-S07C-01
Sample Code	385-S22-001	385-S22-002	385-S22-003	385-S22-004	385-S22-005	280-S7C-088	280-S7C-089	280-S7C-066
Sampling Date	7/5/2001	7/5/2001	7/5/2001	7/5/2001	7/5/2001	12/16/1994	2/20/1995	7/28/1994
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	22.5 -
Units	MG/L	MG/L	MG/L	MG/L	MG/L	UG/L	UG/L	UG/L
Investigation	DGS	DGS	DGS	DGS	DGS	FO 1994	FO 1994	FO 1994
Analyte								
DIESEL RANGE ORGANICS	0.1 J	0.1 U	1.9 J	0.4 J	0.1 U	100 U	100 UJ	100 U
GASOLINE RANGE ORGANICS	0.05 U	0.03 J	2.8 G	0.11 J	0.05 U	50 U		320 J
JET FUEL								
JP5 RANGE ORGANICS	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	100 U	100 UJ	100 U
MOTOR OIL RANGE ORGANICS	0.23 J	0.22 M	0.1 U	0.1 U	0.2 M	500 U	500 UJ	4120 J

Location	DHP-S07C-03	DHP-S07C-04	M07C-08	M07C-08	M07C-08	M07C-08	MW547-1	MW547-1
Sample Code	280-S7C-069	280-S7C-070	280-S7C-058	280-S7C-059	280-S7C-060	280-S7C-061	280-S7C-028	280-S7C-029
Sampling Date	7/29/1994	8/1/1994	11/7/1994	2/17/1995	6/21/1995	8/31/1995	11/8/1994	2/20/1995
Sampling Depth (feet bgs)	26 -	16 -	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte								
DIESEL RANGE ORGANICS	100 U	400 U	100 U	100 U	100 U	100 U	260 J	100 U
GASOLINE RANGE ORGANICS	50 U	50 U	50 U	50 U	50 U	50 UJ	50 U	50 U
JET FUEL								
JP5 RANGE ORGANICS	100 U	400 U	100 U	100 U	100 U	100 U	100 U	100 U
MOTOR OIL RANGE ORGANICS	8250 J	2070 J	500 U	610 J	280 J	500 U	500 U	500 U

Location	MW547-1	MW547-2	MW547-2	MW547-2	MW547-2	MW547-3	MW547-3	MW547-3
Sample Code	280-S7C-031	280-S7C-032	280-S7C-033	280-S7C-034	280-S7C-035	280-S7C-036	280-S7C-037	280-S7C-038
Sampling Date	8/31/1995	11/8/1994	2/20/1995	6/20/1995	8/29/1995	11/7/1994	2/17/1995	6/21/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte								
DIESEL RANGE ORGANICS	140 J	100 U	100 U	100 U	100 U	770 J	1100 J	1800 J
GASOLINE RANGE ORGANICS	50 UJ	50 U	50 U	50 U	50 UJ	4190 J	4000 J	7900 J
JET FUEL								
JP5 RANGE ORGANICS	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
MOTOR OIL RANGE ORGANICS	500 U	500 U	500 U	340 J	500 U	500 U	500 U	200 U

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-134: SITE 22 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	DHP-S07C-02	MW547-4	MW547-4	MW547-4	MW547-4	MW547-5	MW547-5	MW547-5
Sample Code	280-S7C-067	280-S7C-040	280-S7C-042	280-S7C-043	280-S7C-044	280-S7C-045	280-S7C-046	280-S7C-047
Sampling Date	8/2/1994	11/7/1994	2/17/1995	6/21/1995	8/29/1995	11/10/1994	2/20/1995	6/21/1995
Sampling Depth (feet bgs)	21 -	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte								
DIESEL RANGE ORGANICS	100 U	600 J	380 J	1100 J	820 J	100 U	100 U	100 U
GASOLINE RANGE ORGANICS	580 J	940 J	1100 J	890 J	560 J	50 U	50 U	50 U
JET FUEL								
JP5 RANGE ORGANICS	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
MOTOR OIL RANGE ORGANICS	510 J	500 U	500 U	200 U	500 U	500 U	500 U	260 J

Location	MW547-1	D07C-01	D07C-01	D07C-01	D07C-01	D07C-01	M07C-08	M07C-08
Sample Code	280-S7C-030	108-S22-003	108-S22-005	108-S22-005	108-S22-013	108-S22-013	108-S22-002	108-S22-002
Sampling Date	6/20/1995	11/11/1997	2/4/1998	2/4/1998	8/7/1998	8/7/1998	11/7/1997	11/7/1997
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-
Units	UG/L	MG/L	UG/L	MG/L	UG/L	MG/L	UG/L	MG/L
Investigation	FO 1994	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998
Analyte								
DIESEL RANGE ORGANICS	140 J	0.1 UJ		0.12 UJ		0.12 UJ		0.1 UJ
GASOLINE RANGE ORGANICS	50 U		50 U		50 UJ		50 U	
JET FUEL								
JP5 RANGE ORGANICS	100 U							
MOTOR OIL RANGE ORGANICS	200 U	0.3 U		0.25 UJ		0.24 UJ		0.3 U

Location	MW547-3	M07C-08	M07C-08	M07C-08	M07C-08	MW547-4	MW547-4	MW547-4
Sample Code	280-S7C-039	108-S22-011	108-S22-011	108-S22-014	108-S22-014	108-S22-004	108-S22-004	108-S22-008
Sampling Date	8/31/1995	5/13/1998	5/13/1998	8/11/1998	8/11/1998	11/10/1997	11/10/1997	2/11/1998
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	MG/L	UG/L	MG/L	UG/L	MG/L	UG/L
Investigation	FO 1994	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998
Analyte								
DIESEL RANGE ORGANICS	870 J		0.12 UJ		0.12 U		0.4 J	
GASOLINE RANGE ORGANICS	2800 J	50 U		50 U		50 U		550 J
JET FUEL								
JP5 RANGE ORGANICS	100 U							
MOTOR OIL RANGE ORGANICS	500 U		0.24 UJ		0.24 U		0.3 U	

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-134: SITE 22 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-5	D07C-01	MW547-4	MW547-4	MW547-4	D07C-01	D07C-01
Sample Code	280-S7C-048	108-S22-003	108-S22-012	108-S22-015	108-S22-015	D07C-01-A1636	D07C-01-A1135
Sampling Date	8/29/1995	11/11/1997	5/13/1998	8/11/1998	8/11/1998	12/17/2002	7/11/2002
Sampling Depth (feet bgs)	-	-	-	-	-	-	-
Units	UG/L	UG/L	MG/L	UG/L	MG/L	UG/L	UG/L
Investigation	FO 1994	FO 1998	FO 1998	FO 1998	FO 1998	GWM 2003	GWM 2003
Analyte							
DIESEL RANGE ORGANICS	100 U		0.48 J		0.42 J	50 U	50 UJ
GASOLINE RANGE ORGANICS	50 U	50 U		310 J		50 U	50 U
JET FUEL							
JP5 RANGE ORGANICS	100 U					50 U	50 UJ
MOTOR OIL RANGE ORGANICS	500 U		0.24 UJ		0.26 U	300 U	300 UJ

Location	M07C-08	M07C-08	MW547-3	MW547-3	M07C-08	M07C-08
Sample Code	108-S22-007	108-S22-007	MW547-3-A1657	MW547-3-A2000	M07C-08-A1641	M07C-08-A1140
Sampling Date	2/11/1998	2/11/1998	12/17/2002	4/10/2003	12/17/2002	7/24/2002
Sampling Depth (feet bgs)	-	-	-	-	-	-
Units	UG/L	MG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1998	FO 1998	GWM 2003	GWM 2003	GWM 2003	GWM 2003
Analyte						
DIESEL RANGE ORGANICS		0.12 UJ	110 ly	180 ly	50 U	50 U
GASOLINE RANGE ORGANICS	50 U		3400	5100	50 U	21 U
JET FUEL						
JP5 RANGE ORGANICS			1100 y	1300	50 U	50 U
MOTOR OIL RANGE ORGANICS		0.24 UJ	300 U	300 U	300 U	300 U

Location	MW547-4	MW547-4	MW547-3	MW547-3
Sample Code	108-S22-008	108-S22-012	MW547-3-A1156	MW547-3-A1348
Sampling Date	2/11/1998	5/13/1998	6/20/2002	9/5/2002
Sampling Depth (feet bgs)	-	-	-	-
Units	MG/L	UG/L	UG/L	UG/L
Investigation	FO 1998	FO 1998	GWM 2003	GWM 2003
Analyte				
DIESEL RANGE ORGANICS	0.49 J		220 ly	180 y
GASOLINE RANGE ORGANICS		630 J	7900 yz	4500
JET FUEL				
JP5 RANGE ORGANICS			1300	1000 y
MOTOR OIL RANGE ORGANICS	0.66 J		300 U	300 U

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-135: SITE 22 TOTAL RECOVERABLE PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

(Page 1 of 1)

Location	MW547-1	MW547-2	MW547-3	MW547-4	MW547-5
Sample Code	MW547-1 [08/07/90]	MW547-2 [08/08/90]	MW547-3 [08/07/90]	MW547-4 [08/06/90]	MW547-5 [08/06/90]
Sampling Date	8/7/1990	8/8/1990	8/7/1990	8/6/1990	8/6/1990
Sampling Depth (feet bgs)	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	0.05 U	0.05 U	1.5	0.94	0.05 U

Notes:

MG/L *Milligrams per liter*

TABLE E-136: SITE 22 DISSOLVED GASES IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

(Page 1 of 1)

Location	D07C-01	D07C-01	M07C-08	M07C-08	MW547-3	MW547-3
Sample Code	D07C-01-A1135	D07C-01-A1636	M07C-08-A1140	M07C-08-A1641	MW547-3-A1156	MW547-3-A1657
Sampling Date	7/11/2002	12/17/2002	7/24/2002	12/17/2002	6/20/2002	12/17/2002
Sampling Depth (feet bgs)	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003
Analyte						
ETHANE	0.01 UJ	0.01 U	0.01 U	0.01 U	0.022	0.016
ETHENE	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
METHANE	0.01 UJ	0.01 U	0.01 U	0.01 U	15	11

Notes:

MG/L Milligrams per liter

TABLE E-137: SITE 22 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	D07C-01	D07C-01	D07C-01	D07C-01	DHP-S07C-01	DHP-S07C-02	DHP-S07C-03	DHP-S07C-04	M07C-08
Sample Code	280-S7C-088	280-S7C-089	280-S7C-090	280-S7C-091	280-S7C-066	280-S7C-067	280-S7C-069	280-S7C-070	280-S7C-058
Sampling Date	12/16/1994	2/20/1995	6/22/1995	9/20/1995	7/28/1994	8/2/1994	7/29/1994	8/1/1994	11/7/1994
Sampling Depth (feet bgs)	-	-	-	-	22.5 -	21 -	26 -	16 -	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
ACIDITY	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BICARBONATE									
BICARBONATE ALKALINITY									
BROMIDE									
CARBONATE									
CARBONATE ALKALINITY									
CHLORIDE	543	553	498	506	175	28.6	12.2	65.3	25.6 J
COD (TOTAL)	57	48	28	23.6	85.7	31	53.3	44.7	123
CONDUCTANCE	2600				1700	857	1400	1860	739
DISSOLVED OXYGEN									
DISSOLVED SULFIDES									
FLUORIDE	0.1 U	0.1 U	0.1 U	0.11	0.18 J	0.18 J	0.47 J	0.15 J	0.23
HARDNESS	910	970	880	840	875	220	135	550 J	230
HYDROXIDE ALKALINITY									
NITRATE				5					
NITRATE/NITRITE (AS N)	6.1	5.1	5.4	10 U	0.05 U	0.05 U	0.05 U	0.12 J	21.6
NITRITE				5 U					
PH	7.3	7.1	7.2	7.2	8.7	7.4 J	8.1 J	7.7 J	7.1
PHOSPHATE									
SULFATE	160	172	198	199	127	50.4	5.3	169	56.7 J
SULFIDE							10 U		
TDS	1600	1500 J	1490	1560	1250	520	964	1050	476
TOTAL ALKALINITY	428	430	484	420	671	408	798	889	138
TOTAL ORGANIC CARBON	7 J	6	3.9	4.1		7.3 J		11.9	32.1

Notes:

MG/L Milligrams per liter

UMHOS Micromhos

TABLE E-137: SITE 22 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	M07C-08	M07C-08	M07C-08	MW547-1	MW547-1	MW547-1	MW547-1	MW547-2	MW547-2	MW547-2
Sample Code	280-S7C-059	280-S7C-060	280-S7C-061	280-S7C-028	280-S7C-029	280-S7C-030	280-S7C-031	280-S7C-032	280-S7C-033	280-S7C-034
Sampling Date	2/17/1995	6/21/1995	8/31/1995	11/8/1994	2/20/1995	6/20/1995	8/31/1995	11/8/1994	2/20/1995	6/20/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte										
ACIDITY	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U	10 U	10 U
BICARBONATE										
BICARBONATE ALKALINITY										
BROMIDE										
CARBONATE										
CARBONATE ALKALINITY										
CHLORIDE	135	8	14.3	19.6 J	25.6	30.3	21.8	29.2 J	55.6	105
COD (TOTAL)	60 J	34.7	51.4	19.8	23	18.4	15.8	13.9	31	39.2
CONDUCTANCE				1200 J				970 J		
DISSOLVED OXYGEN										
DISSOLVED SULFIDES	71.8									
FLUORIDE	0.1 U	0.1 U	0.21	0.44	0.1 U	0.11	0.47	0.36	0.1 U	0.1 U
HARDNESS	640	180	360	60	70	48	44	220	290	460
HYDROXIDE ALKALINITY										
NITRATE			0.12				0.62			
NITRATE/NITRITE (AS N)	0.99	0.05 U	0.05 U	0.5 U	0.61	0.092	0.91	0.5 U	0.05 U	0.05 U
NITRITE			0.05 U				0.32			
PH	7.2	6.6	6.7	8.1	7.4	7.3	7.3	8.1	7.2	7
PHOSPHATE										
SULFATE	109	14.8	19.3	27.5 J	77.9	78.2	67	35.9 J	60.4	168
SULFIDE		10 U	27							
TDS	930	341	532	648	680 J	698	780	480	710 J	1030
TOTAL ALKALINITY	569	261	381	571	385	441	438	408	511	619
TOTAL ORGANIC CARBON	23 J	15.7	19	7.4	10	8.4 J	8.7	7.2	15	14.5 J

Notes:

MG/L Milligrams per liter

UMHOS Micromhos

TABLE E-137: SITE 22 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-2	MW547-3	MW547-3	MW547-3	MW547-3	MW547-4	MW547-4	MW547-4	MW547-4	MW547-5
Sample Code	280-S7C-035	280-S7C-036	280-S7C-037	280-S7C-038	280-S7C-039	280-S7C-040	280-S7C-042	280-S7C-043	280-S7C-044	280-S7C-045
Sampling Date	8/29/1995	11/7/1994	2/17/1995	6/21/1995	8/31/1995	11/7/1994	2/17/1995	6/21/1995	8/29/1995	11/10/1994
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte										
ACIDITY	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
BICARBONATE										
BICARBONATE ALKALINITY										
BROMIDE										
CARBONATE										
CARBONATE ALKALINITY										
CHLORIDE	98.7	8.2 J	7.5	8.2	8.4	11.4 J	10.6	10.2	10.7	44.6 J
COD (TOTAL)	31.2	5 U	28	23.5	23.7	33.7	31	23.5	31.2	11.9
CONDUCTANCE		1550				1300 J				1200
DISSOLVED OXYGEN										
DISSOLVED SULFIDES										
FLUORIDE	0.27	0.54	0.11	0.15	0.57	0.31	0.1 U	0.1 U	0.39 J	0.64
HARDNESS	445	340	430	405	455	370	430	330	390	201
HYDROXIDE ALKALINITY										
NITRATE	0.05 U				0.05 U				0.05 U	
NITRATE/NITRITE (AS N)	0.05 U	0.5 U	0.81	0.05 U	0.05 U	0.5 U	0.06	0.05	0.05 U	0.5 U
NITRITE	0.5 U				0.05 U				0.25 U	
PH	7.1	7.5	7.3	7.4	7.2	7.2	7.1	7.1	7.1	7.6
PHOSPHATE										
SULFATE	111	0.59 J	0.89	0.2 U	0.2 U	6 J	8.5	14.2	1.3	32.2 J
SULFIDE										
TDS	1390	822	840 J	908	922	660	680 J	626	804	634
TOTAL ALKALINITY	611	859	849	937	915	682	660	619	716	611
TOTAL ORGANIC CARBON	13.7	7.7	14	10.2 J	10.8	9.4	15	8.7 J	10	6.4

Notes:

MG/L Milligrams per liter

UMHOS Micromhos

TABLE E-137: SITE 22 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-5	MW547-5	MW547-5	D07C-01	D07C-01	D07C-01	D07C-01	M07C-08	M07C-08	M07C-08
Sample Code	280-S7C-046	280-S7C-047	280-S7C-048	108-S22-003	108-S22-005	108-S22-009	108-S22-013	108-S22-002	108-S22-007	108-S22-011
Sampling Date	2/20/1995	6/21/1995	8/29/1995	11/11/1997	2/4/1998	5/14/1998	8/7/1998	11/7/1997	2/11/1998	5/13/1998
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998
Analyte										
ACIDITY	10 U	10 U	10 U							
BICARBONATE				382	382	373	390	342	119	123
BICARBONATE ALKALINITY										
BROMIDE				2.3	1.8 J	0.92	2.2 J	0.42	0.13	0.16
CARBONATE				10 U	10 U	10 U	10 U	10 U	10 U	10 U
CARBONATE ALKALINITY										
CHLORIDE	31.8	28.2	26.6	402	349	392	298	12.9 J	5	7.3
COD (TOTAL)	63	42.7	39							
CONDUCTANCE										
DISSOLVED OXYGEN										
DISSOLVED SULFIDES										
FLUORIDE	0.1 U	0.16	0.75 J	0.5 U	0.11	1 U	0.5 U	0.41	0.14	0.16 J
HARDNESS	550	440	370							
HYDROXIDE ALKALINITY				10 U	10 U	10 U	10 U	10 U	10 U	10 U
NITRATE			0.05 U	4.9	4.8	1.9	4.9	0.1 U	0.2	0.96
NITRATE/NITRITE (AS N)	0.06	0.05 U	0.05 U							
NITRITE			0.25 U	0.5 U	0.3 U	1 U	0.5 U	0.1 U	0.1 U	0.1 U
PH	7.1	7.3	7.3							
PHOSPHATE				0.1 U	0.1 U	0.5 U	0.5 U	1	1.8	1.5 J
SULFATE	50.8	8.6	4.3	147	132	155	151	16 J	3.1	9.9 J
SULFIDE				1 U	1 U	1 U	1 U	1 U	1 U	1 J
TDS	800 J	804	840	1200	1200	1400	1300	360	180	360
TOTAL ALKALINITY	681	765	804	382	382	373	390	342	119	123
TOTAL ORGANIC CARBON	28	20 J	15.2	1 U				15 J		

Notes:

MG/L Milligrams per liter

UMHOS Micromhos

TABLE E-137: SITE 22 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	M07C-08	MW547-4	MW547-4	MW547-4	MW547-4	D07C-01	D07C-01	M07C-08	M07C-08
Sample Code	108-S22-014	108-S22-004	108-S22-008	108-S22-012	108-S22-015	D07C-01-A1636	D07C-01-A1135	M07C-08-A1641	M07C-08-A1140
Sampling Date	8/11/1998	11/10/1997	2/11/1998	5/13/1998	8/11/1998	12/17/2002	7/11/2002	12/17/2002	7/24/2002
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	GWM 2003	GWM 2003	GWM 2003	GWM 2003
Analyte									
ACIDITY									
BICARBONATE	182	590	581	554	671				
BICARBONATE ALKALINITY						350	360	69	330
BROMIDE	0.5 U	5.1	0.42	0.37	0.51 J				
CARBONATE	10 U	10 U	10 U	10 U	10 U				
CARBONATE ALKALINITY						1 U	1 U	1 U	1 U
CHLORIDE	8.6 J	1320	11.9	9.7	12.1 J	240	230	16	9.7
COD (TOTAL)									
CONDUCTANCE									
DISSOLVED OXYGEN									
DISSOLVED SULFIDES									
FLUORIDE	0.5 U	0.5 U	0.27	0.1 U	0.5 U				
HARDNESS									
HYDROXIDE ALKALINITY	10 U	10 U	10 U	10 U	10 U	1 U	1 U	1 U	1 U
NITRATE	0.5 U	0.2 U	0.1 U	0.1 U	0.5 U	3.8	3.8	9.3	0.03 J
NITRATE/NITRITE (AS N)									
NITRITE	0.5 U	2 U	0.11	0.1 U	0.5 U	0.05 U	0.03 J	0.05 U	0.05 U
PH									
PHOSPHATE	1.2	0.2 U	0.1 U	0.1 U	0.5 U				
SULFATE	11.8	55	3.3	5.8 J	1 U	130	130	18	5.5
SULFIDE	1 UJ	2 J	1 U	1.3 J	1 UJ	0.04 U	0.04 U	0.04 U	0.04 U
TDS	330	650	150	780	770				
TOTAL ALKALINITY	182	590	581	554	671	350	360	69	330
TOTAL ORGANIC CARBON		10							

Notes:

MG/L Milligrams per liter

UMHOS Micromhos

TABLE E-137: SITE 22 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-3	MW547-3	MW547-1	MW547-2	MW547-3	MW547-3	MW547-4
Sample Code	MW547-3-A1657	MW547-3-A1156	MW547-1 [08/07/90]	MW547-2 [08/08/90]	MW547-3 [08/20/90]	MW547-3 [08/07/90]	MW547-4 [08/06/90]
Sampling Date	12/17/2002	6/20/2002	8/7/1990	8/8/1990	8/20/1990	8/7/1990	8/6/1990
Sampling Depth (feet bgs)	-	-	-	-	-	-	-
Units	MG/L	MG/L	UMHOS	UMHOS	MG/L	UMHOS	MG/L
Investigation	GWM 2003	GWM 2003	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
ACIDITY							
BICARBONATE							
BICARBONATE ALKALINITY	1000	1000					
BROMIDE							
CARBONATE							
CARBONATE ALKALINITY	1 U	1 U					
CHLORIDE	14	16					
COD (TOTAL)							
CONDUCTANCE			930	810		980	
DISSOLVED OXYGEN			3.9	3.8	6.2		
DISSOLVED SULFIDES							
FLUORIDE							
HARDNESS			310	509		250	
HYDROXIDE ALKALINITY	1 U	1 U					
NITRATE	0.009 U	0.05 U					
NITRATE/NITRITE (AS N)							
NITRITE	0.05 U	0.05 U					
PH			7.4	7.4		7.5	
PHOSPHATE							
SULFATE	0.14 J	0.5 U					
SULFIDE	0.04 U	0.04 U					
TDS							
TOTAL ALKALINITY	1000	1000					
TOTAL ORGANIC CARBON			18.9	37.8		15.6	23.8

Notes:

MG/L Milligrams per liter

UMHOS Micromhos

TABLE E-137: SITE 22 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW547-5	MW547-5
Sample Code	MW547-5 [08/06/90]	MW547-5A [08/06/90]
Sampling Date	8/6/1990	8/6/1990
Sampling Depth (feet bgs)	-	-
Units	UMHOS	UMHOS
Investigation	PH 1&2A 1991	PH 1&2A 1991
Analyte		
ACIDITY		
BICARBONATE		
BICARBONATE ALKALINITY		
BROMIDE		
CARBONATE		
CARBONATE ALKALINITY		
CHLORIDE		
COD (TOTAL)		
CONDUCTANCE	1130	1260
DISSOLVED OXYGEN	3.8	
DISSOLVED SULFIDES		
FLUORIDE		
HARDNESS	568	310
HYDROXIDE ALKALINITY		
NITRATE		
NITRATE/NITRITE (AS N)		
NITRITE		
PH	7.2	7.7
PHOSPHATE		
SULFATE		
SULFIDE		
TDS		
TOTAL ALKALINITY		
TOTAL ORGANIC CARBON	21.7	

Notes:

MG/L Milligrams per liter

UMHOS Micromhos

TABLE E-138: SITE 22 LANDFILL GASES IN AIR

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	S22-DGS-SG03	S22-DGS-SG03	S22-DGS-SG05	S22-DGS-SG05
Sample Code	385-S22-013	385-S22-014	385-S22-016	385-S22-017
Sampling Date	7/26/2001	7/26/2001	9/13/2001	9/13/2001
Sampling Depth (feet bgs)	1.5 -	4 -	1.5 -	4 -
Units*	PPMV	PPMV	PPMV	PPMV
Investigation	DGS	DGS	DGS	DGS
Analyte				
BUTANE, PPMV	70.7	69.9	1 U	1 U
CARBON DIOXIDE, %	14.863	13.825	0.573	1.07
CARBON MONOXIDE, %	0.001 U	0.001 U	0.001 U	0.001 U
ETHANE, PPMV	8.1	11.1	1 U	1 U
HYDROGEN, %	0.03 U	0.03 U	0.02 U	0.03 U
ISOBUTANE, PPMV	5.2	41.5	1 U	1 U
ISOPENTANE, PPMV	1914.6	1857.7	1 U	1 U
METHANE, %	2.605	2.673	0.001 U	0.001 U
NITROGEN, %	80.2	80.55	77.04	76.97
NON METHANE ORGANIC COMPOUNDS, PPMV	4827	4937.1	10 U	10 U
OXYGEN, %	2.33	2.95	22.39	21.96
PENTANE, PPMV	8.6	507.3	1 U	1 U
PROPANE, PPMV	1.4	1 U	1 U	1 U

Notes:

* Unless otherwise specified

PPMV Parts per million by volume

TABLE E-139: SITE 22 VOLATILE ORGANIC COMPOUNDS IN AIR

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	S22-DGS-SG03	S22-DGS-SG03	S22-DGS-SG05	S22-DGS-SG05
Sample Code	385-S22-013	385-S22-014	385-S22-016	385-S22-017
Sampling Date	7/26/2001	7/26/2001	9/13/2001	9/13/2001
Sampling Depth (feet bgs)	1.5 -	4 -	1.5 -	4 -
Units	UG/M3	UG/M3	UG/M3	UG/M3
Investigation	DGS	DGS	DGS	DGS
Analyte				
1,1,1-TRICHLOROETHANE	352.12 UJ	3577.51 UJ	17.18 U	17.89 U
1,1,2,2-TETRACHLOROETHANE	443.02 UJ	4501.05 UJ	21.62 UJ	22.51 UJ
1,1,2-TRICHLOROETHANE	352.12 UJ	3577.51 UJ	17.18 U	17.89 U
1,1-DICHLOROETHANE	261.19 UJ	2653.7 UJ	12.75 U	13.27 U
1,1-DICHLOROETHENE	255.86 UJ	2599.53 UJ	12.49 U	13 U
1,2-DICHLOROBENZENE	387.99 UJ	3941.93 UJ	18.93 U	19.71 U
1,2-DICHLOROETHANE	261.19 UJ	2653.7 UJ	12.75 U	13.27 U
1,3-DICHLOROBENZENE	387.99 UJ	3941.93 UJ	18.93 U	19.71 U
1,4-DICHLOROBENZENE	387.99 UJ	3941.93 UJ	18.93 U	19.71 U
BENZENE	12235.28 J	106688.77 J	10.06 U	10.8
CHLOROETHANE	170.29 UJ	1730.16 UJ	8.31 U	8.65 U
CHLOROMETHANE	240 J	1672.25 J	6.5 UJ	6.77 UJ
CIS-1,2-DICHLOROETHENE	255.86 UJ	2599.53 UJ	12.49 U	13 U
ETHYLBENZENE	10073.59 J	146015.79 J	13.67 U	14.24 U
M-XYLENE	23898.09 J	389523.9 J	46.32	34.17
NAPHTHALENE	3382.87 UJ	34369.91 UJ	165.08 UJ	171.85 UJ
O-XYLENE	4140.71 J	75145.15 J	13.67 U	14.24 U
TETRACHLOROETHENE	440.32 UJ	4473.69 UJ	21.49 U	22.37 U
TOLUENE	25183.39 J	247283.62 J	35.78	77.62
TRANS-1,2-DICHLOROETHENE	255.86 UJ	2599.53 UJ	12.49 UJ	13 UJ
TRICHLOROETHENE	346.79 UJ	3523.34 UJ	16.92 U	17.62 U
VINYL CHLORIDE	164.96 UJ	1675.99 UJ	8.05 U	8.38 U

Notes:

UG/M3 Micrograms per cubic meter

SITE 22
TOTAL PETROLEUM HYDROCARBON INVESTIGATIONS

TABLE E-140: SITE 22 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

(Page 1 of 2)

Location	547-1	547-2	547-3	547-4	547-5	547-6	547-7	547-8	547-9
Sample Code	547-1	547-2	547-3	547-4	547-5	547-6	547-7	547-8	547-9
Sampling Date	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995
Sampling Depth (feet bgs)	2 -	2 -	2 -	2 -	2 -	2 -	2 -	2 -	2 -
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte									
1,1,1-TRICHLOROETHANE									
1,1,2,2-TETRACHLOROETHANE									
1,1,2-TRICHLOROETHANE									
1,1-DICHLOROETHANE									
1,1-DICHLOROETHENE									
1,2-DICHLOROBENZENE									
1,2-DICHLOROETHANE									
1,2-DICHLOROETHENE (TOTAL)									
1,2-DICHLOROPROPANE									
1,3-DICHLOROBENZENE									
1,4-DICHLOROBENZENE									
2-BUTANONE									
2-CHLOROETHYLVINYLETHER									
2-HEXANONE									
4-METHYL-2-PENTANONE									
ACETONE									
BENZENE	3.8	0.025 U	5 U	0.0086	5 U	0.005 U	0.005 U	0.005 U	0.005 U
BROMODICHLOROMETHANE									
BROMOFORM									
BROMOMETHANE									
CARBON DISULFIDE									
CARBON TETRACHLORIDE									
CHLOROBENZENE									
CHLOROETHANE									
CHLOROFORM									
CHLOROMETHANE									
CIS-1,2-DICHLOROETHENE									
CIS-1,3-DICHLOROPROPENE									
DIBROMOCHLOROMETHANE									
ETHYLBENZENE	1	0.049	23	0.16	35	0.005 U	0.005 U	0.005 U	0.005 U
ETHYLENE DIBROMIDE									
HEXANE									
M,P-XYLENE									
METHYLENE CHLORIDE									
O-XYLENE									
STYRENE									
TETRACHLOROETHENE									
TOLUENE	14	0.12	50	0.13	52	0.005 U	0.005 U	0.005 U	0.005 U
TRANS-1,2-DICHLOROETHENE									
TRANS-1,3-DICHLOROPROPENE									
TRICHLOROETHENE									
TRICHLOROFLUOROMETHANE									
VINYL ACETATE									
VINYL CHLORIDE									
XYLENE (TOTAL)	21	1.7	200	1.2	260	0.0053	0.005 U	0.0064	0.005 U

Notes:

MG/KG Milligrams per kilogram

TABLE E-140: SITE 22 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	547-10	547-11	547-12	547-13	547-14	547-W1	547-W2	547-W3
Sample Code	547-10	547-11	547-12	547-13	547-14	547-W1	547-W2	547-W3
Sampling Date	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	11/3/1994	11/3/1994	11/3/1994
Sampling Depth (feet bgs)	2 -	2 -	2 -	2 -	2 -	9.5 -	9.5 -	9.5 -
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte								
1,1,1-TRICHLOROETHANE								
1,1,2,2-TETRACHLOROETHANE								
1,1,2-TRICHLOROETHANE								
1,1-DICHLOROETHANE								
1,1-DICHLOROETHENE								
1,2-DICHLOROBENZENE								
1,2-DICHLOROETHANE								
1,2-DICHLOROETHENE (TOTAL)								
1,2-DICHLOROPROPANE								
1,3-DICHLOROBENZENE								
1,4-DICHLOROBENZENE								
2-BUTANONE								
2-CHLOROETHYLVINYLETHER								
2-HEXANONE								
4-METHYL-2-PENTANONE								
ACETONE								
BENZENE	0.005 U	0.07	2.2	0.005 U	0.005 U	0.1	0.16	3.1
BROMODICHLOROMETHANE								
BROMOFORM								
BROMOMETHANE								
CARBON DISULFIDE								
CARBON TETRACHLORIDE								
CHLOROBENZENE								
CHLOROETHANE								
CHLOROFORM								
CHLOROMETHANE								
CIS-1,2-DICHLOROETHENE								
CIS-1,3-DICHLOROPROPENE								
DIBROMOCHLOROMETHANE								
ETHYLBENZENE	0.005 U	0.018	6.4	0.005 U	0.005 U	0.065	0.11	0.41
ETHYLENE DIBROMIDE								
HEXANE								
M,P-XYLENE								
METHYLENE CHLORIDE								
O-XYLENE								
STYRENE								
TETRACHLOROETHENE								
TOLUENE	0.005 U	0.005 U	3.5	0.005 U	0.005 U	0.005 U	0.017	0.25
TRANS-1,2-DICHLOROETHENE								
TRANS-1,3-DICHLOROPROPENE								
TRICHLOROETHENE								
TRICHLOROFLUOROMETHANE								
VINYL ACETATE								
VINYL CHLORIDE								
XYLENE (TOTAL)	0.005 U	0.2	41	0.005 U	0.005 U	0.01	0.31	2.3

Notes:

MG/KG Milligrams per kilogram

TABLE E-141: SITE 22 TOTAL METALS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

(Page 1 of 1)

Location	547-1	547-10	547-11	547-12	547-13	547-14	547-2	547-3	547-5	547-6	547-7	547-8	547-9
Sample Code	547-1	547-10	547-11	547-12	547-13	547-14	547-2	547-3	547-5	547-6	547-7	547-8	547-9
Sampling Date	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995
Sampling Depth (feet bgs)	2 -	2 -	2 -	2 -	2 -	2 -	2 -	2 -	2 -	2 -	2 -	2 -	2 -
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte													
ALUMINUM													
ANTIMONY													
ARSENIC													
BARIUM													
BERYLLIUM													
CADMIUM													
CALCIUM													
CHROMIUM													
COBALT													
COPPER													
IRON													
LEAD	13	5.1	330	28	9.3	6.5	16	7	18	160	5.7	35	22
MAGNESIUM													
MANGANESE													
MERCURY													
MOLYBDENUM													
NICKEL													
POTASSIUM													
SELENIUM													
SILVER													
SODIUM													
THALLIUM													
TITANIUM													
VANADIUM													
ZINC													

Notes:

MG/KG Milligrams per kilogram

TABLE E-142: SITE 22 TOTAL PETROLEUM HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

(Page 1 of 1)

Location	547-1	547-2	547-3	547-4	547-5	547-6	547-7	547-8	547-9	547-10	547-11	547-12	547-13
Sample Code	547-1	547-2	547-3	547-4	547-5	547-6	547-7	547-8	547-9	547-10	547-11	547-12	547-13
Sampling Date	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/20/1995
Sampling Depth (feet bgs)	2 -	2 -	2 -	2 -	2 -	2 -	2 -	2 -	2 -	2 -	2 -	2 -	2 -
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte													
DIESEL RANGE ORGANICS	79	160	1100	240	300	6.2	5.3	12	5.5	5.5	19	79	6.8
GASOLINE RANGE ORGANICS	180	82	2300	15	2800	1 U	1 U	1 U	1 U	1 U	8.5	690	1 U
JET FUEL	65	120	1100	74	280	1.8	2.1	4.3	2.1	2	6.4	69	2.6
JP5 RANGE ORGANICS													
MOTOR OIL RANGE ORGANICS	47	320	560	360	200 U	38	12	69	12	13	80	55	21

Location	547-14	547-W1	547-W2	547-W3
Sample Code	547-14	547-W1	547-W2	547-W3
Sampling Date	1/20/1995	11/3/1994	11/3/1994	11/3/1994
Sampling Depth (feet bgs)	2 -	9.5 -	9.5 -	9.5 -
Units	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	TPH	TPH	TPH	TPH
Analyte				
DIESEL RANGE ORGANICS	6.2	1.1	2.1	2.4
GASOLINE RANGE ORGANICS	1 U	1.3	3.1	50
JET FUEL	2.3	1 U	1.4	2.2
JP5 RANGE ORGANICS				
MOTOR OIL RANGE ORGANICS	15	10 U	22	10 U

Notes:

MG/KG Miligrams per kilogram

TABLE E-143: SITE 22 VOLATILE ORGANIC COMOPUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

(Page 1 of 2)

Location	547-L1	547-L8	M07C-08	MW547-1	MW547-1	MW547-4
Sample Code	547-L1	547L8	030-CAP-063	030-CAP-062	030-CAP-064	030-CAP-066
Sampling Date	11/3/1994	11/3/1994	4/27/2000	4/27/2000	4/27/2000	4/27/2000
Sampling Depth (feet bgs)	9.5 -	9.5 -	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	TPH	TPH	TPH	TPH	TPH	TPH
Analyte						
1,1,1,2-TETRACHLOROETHANE						
1,1,1-TRICHLOROETHANE			1 U	1 U	1 U	1 U
1,1,2,2-TETRACHLOROETHANE			1 U	1 U	1 U	1 U
1,1,2-TRICHLOROETHANE			1 U	1 U	1 U	1 U
1,1-DICHLOROETHANE			1 U	1 U	1 U	1 U
1,1-DICHLOROETHENE			1 U	1 U	1 U	1 U
1,1-DICHLOROPROPENE						
1,2,3-TRICHLOROBENZENE						
1,2,3-TRICHLOROPROPANE						
1,2,4-TRICHLOROBENZENE						
1,2,4-TRIMETHYLBENZENE			1 U	1 U	1 U	1 U
1,2-DIBROMO-3-CHLOROPROPANE						
1,2-DICHLOROBENZENE						
1,2-DICHLOROETHANE			1 U	1 U	1 U	1 U
1,2-DICHLOROETHENE (TOTAL)						
1,2-DICHLOROPROPANE			1 U	1 U	1 U	1 U
1,3,5-TRIMETHYLBENZENE			1 U	1 U	1 U	1 U
1,3-DICHLOROBENZENE						
1,3-DICHLOROPROPANE						
1,4-DICHLOROBENZENE						
2,2-DICHLOROPROPANE						
2-BUTANONE						
2-CHLOROTOLUENE						
2-HEXANONE						
4-CHLOROTOLUENE						
4-METHYL-2-PENTANONE						
ACETONE						
BENZENE	2200	20 U	0.5 U	0.5 U	0.5 U	0.5 U
BROMOBENZENE						
BROMOCHLOROMETHANE						
BROMODICHLOROMETHANE			1 U	1 U	1 U	1 U
BROMOFORM			1 U	1 U	1 U	1 U
BROMOMETHANE			5 U	5 U	5 U	5 U
CARBON DISULFIDE						
CARBON TETRACHLORIDE			1 U	1 U	1 U	1 U
CHLOROBENZENE			1 U	1 U	1 U	1 U
CHLOROETHANE			5 U	5 U	5 U	5 U
CHLOROFORM			1 U	1 U	1 U	1 U
CHLOROMETHANE			5 U	5 U	5 U	5 U
CIS-1,2-DICHLOROETHENE			1 U	1 U	1 U	1 U
CIS-1,3-DICHLOROPROPENE			1 U	1 U	1 U	1 U
DIBROMOCHLOROMETHANE			1 U	1 U	1 U	1 U
DIBROMOMETHANE						
DICHLORODIFLUOROMETHANE						
DIISOPROPYL ETHER						
ETHYL TERT-BUTYL ETHER						
ETHYLBENZENE	70	20 U	1 U	1 U	1 U	1 U
ETHYLENE DIBROMIDE						
HEXACHLOROBUTADIENE						
ISOPROPYLBENZENE						
M,P-XYLENE				1 U		
METHYLENE CHLORIDE			5 U	2 U	5 U	5 U

TABLE E-143: SITE 22 VOLATILE ORGANIC COMOPUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	547-L1	547-L8	M07C-08	MW547-1	MW547-1	MW547-4
Sample Code	547-L1	547L8	030-CAP-063	030-CAP-062	030-CAP-064	030-CAP-066
Sampling Date	11/3/1994	11/3/1994	4/27/2000	4/27/2000	4/27/2000	4/27/2000
Sampling Depth (feet bgs)	9.5 -	9.5 -	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	TPH	TPH	TPH	TPH	TPH	TPH
Analyte						
METHYL-T-BUTYL ETHER			2 U	2 U	2 U	2 U
NAPHTHALENE						
N-BUTYLBENZENE						
N-PROPYLBENZENE						
O-XYLENE				1 U		
P-ISOPROPYLTOLUENE						
SEC-BUTYLBENZENE						
STYRENE			1 U	1 U	1 U	1 U
TERT-AMYL METHYL ETHER						
TERT-BUTANOL						
TERT-BUTYLBENZENE						
TETRACHLOROETHENE			1 U	1 U	1 U	1 U
TOLUENE	310	20 U	1 U	1 U	1 U	1 U
TRANS-1,2-DICHLOROETHENE			1 U	1 U	1 U	1 U
TRANS-1,3-DICHLOROPROPENE			1 U	1 U	1 U	1 U
TRICHLOROETHENE			1 U	1 U	1 U	1 U
TRICHLOROFLUOROMETHANE						
VINYL ACETATE						
VINYL CHLORIDE			0.5 U	0.5 U	0.5 U	0.5 U
XYLENE (TOTAL)	640	20 U	1 U		1 U	1 U

Notes:

UG/L Micrograms per liter

TABLE E-144: SITE 22 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	547-L1	547-L8
Sample Code	547-L1	547L8
Sampling Date	11/3/1994	11/3/1994
Sampling Depth (feet bgs)	9.5 -	9.5 -
Units	UG/L	UG/L
Investigation	TPH	TPH
Analyte		
DIESEL RANGE ORGANICS	16000	50 U
GASOLINE RANGE ORGANICS	11000	2000 U
JET FUEL	960	50 U
JP5 RANGE ORGANICS		
MOTOR OIL RANGE ORGANICS	500 U	500 U

Notes:

UG/L Micrograms per liter

SITE 23
ENVIRONMENTAL BASELINE SURVEY INVESTIGATIONS

TABLE E-145: SITE 23 DIOXINS AND FURANS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California
(Page 1 of 1)

Location	211-Z22-009
Sample Code	211-0009
Sampling Date	4/11/1995
Sampling Depth (feet bgs)	.5 - 1
Units	UG/KG
Investigation	EBS PHASE 2A
Analyte	
1234678-HEPTACHLORINATED DIBENZOFURAN	24 U
1234678-HEPTACHLORINATED DIBENZO-P-DIOXI	24 U
1234789-HEPTACHLORINATED DIBENZOFURAN	24 U
123478-HEXACHLORINATED DIBENZOFURAN	24 U
123478-HEXACHLORINATED DIBENZO-P-DIOXIN	24 U
123678-HEXACHLORINATED DIBENZOFURAN	24 U
123678-HEXACHLORINATED DIBENZO-P-DIOXIN	24 U
123789-HEXACHLORINATED DIBENZOFURAN	24 U
123789-HEXACHLORINATED DIBENZO-P-DIOXIN	24 U
12378-PENTACHLORINATED DIBENZOFURAN	24 U
12378-PENTACHLORINATED DIBENZO-P-DIOXIN	24 U
234678-HEXACHLORINATED DIBENZOFURAN	24 U
23478-PENTACHLORINATED DIBENZOFURAN	24 U
2378-TETRACHLORINATED DIBENZOFURAN	9.7 U
2378-TETRACHLORINATED DIBENZO-P-DIOXIN	9.7 U
OCTACHLORINATED DIBENZOFURAN	48 U
OCTACHLORINATED DIBENZO-P-DIOXIN	48 U
TOTAL HEPTACHLORODIBENZOFURAN	24 U
TOTAL HEPTACHLORODIBENZO-P-DIOXIN	24 U
TOTAL HEXACHLORODIBENZOFURAN	24 U
TOTAL PENTACHLORODIBENZOFURAN	24 U
TOTAL PENTACHLORODIBENZO-P-DIOXIN	24 U
TOTAL TETRACHLORODIBENZOFURAN	9.7 U
TOTAL TETRACHLORODIBENZO-P-DIOXIN	9.7 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-146: SITE 23 PESTICIDES, PCBs, AND HERBICIDES IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	150-Z19-016	153-Z22-004	153-Z22-004	211-IW-001	211-IW-002	211-IWCO-001
Sample Code	150-0016M	153-0004	153-0004M	211I-001	211I-002	211C-001
Sampling Date	6/21/1995	4/10/1995	4/10/1995	1/19/1995	1/20/1995	1/20/1995
Sampling Depth (feet bgs)	.5 - 1	2.5 - 3	2.5 - 3	5.5 - 6.5	7 - 7.5	1 - 2
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A
Analyte						
2,4,5-T				600 U	550 U	2150 U
2,4,5-TP (SILVEX)				600 U	550 U	2150 U
2,4-D				600 U	550 U	2150 U
2,4-DB				600 U	550 U	2150 U
4,4'-DDD				3.9 U	3.6 U	7.1 U
4,4'-DDE				3.9 U	3.6 U	7.1 U
4,4'-DDT				3.9 U	3.6 U	7.1 U
ALDRIN				2 U	1.9 U	3.7 U
ALPHA-BHC				2 U	1.9 U	3.7 U
ALPHA-CHLORDANE				2 U	1.9 U	3.7 U
AROCLOR-1016	21 U	35 U	23 U	39 U	36 U	71 U
AROCLOR-1221	21 U	72 U	23 U	80 U	74 U	140 U
AROCLOR-1232	21 U	35 U	23 U	39 U	36 U	71 U
AROCLOR-1242	21 U	35 U	23 U	39 U	36 U	71 U
AROCLOR-1248	21 U	35 U	23 U	39 U	36 U	71 U
AROCLOR-1254	21 U	35 U	23 U	39 U	36 U	71 U
AROCLOR-1260	21 U	35 U	23 U	39 U	36 U	71 U
AZINPHOS-METHYL				200 U	180 U	180 U
BETA-BHC				2 U	1.9 U	3.7 U
CHLORDANE						
DALAPON; 2,2-DICHLOROPROPANOIC				600 U	550 U	2150 U
DELTA-BHC				2 U	1.9 U	3.7 U
DEMETON				200 U	180 U	180 U
DIAZINON				200 U	180 U	180 U
DICAMBA				600 U	550 U	2150 U
DICHLORPROP				600 U	550 U	2150 U
DIELDRIN				3.9 U	3.6 U	7.1 U
DINOSEB				600 U	550 U	2150 U
DISULFOTON				200 U	180 U	180 U
ENDOSULFAN I				2 U	1.9 U	3.7 U
ENDOSULFAN II				3.9 U	3.6 U	7.1 U
ENDOSULFAN SULFATE				3.9 U	3.6 U	7.1 U
ENDRIN				3.9 U	3.6 U	7.1 U
ENDRIN ALDEHYDE				3.9 U	3.6 U	7.1 U
ENDRIN KETONE				3.9 U	3.6 U	7.1 U
ETHION				200 U	180 U	180 U
ETHYL PARATHION				200 U	180 U	180 U
GAMMA-BHC (LINDANE)				2 U	1.9 U	3.7 U
GAMMA-CHLORDANE				2 U	1.9 U	3.7 U
HEPTACHLOR				2 U	1.9 U	3.7 U
HEPTACHLOR EPOXIDE				2 U	1.9 U	3.7 U
MALATHION				200 U	180 U	180 U
MCPA				29800 U	27500 U	108000 U
MCPP				29800 U	27500 U	108000 U
METHOXYCHLOR				20 U	19 U	37 U
METHYL PARATHION				200 U	180 U	180 U
TOXAPHENE				200 U	190 U	370 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-146: SITE 23 PESTICIDES, PCBs, AND HERBICIDES IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	211-SN-001	211-SS-001	211-SS-002	211-SS-003	211-SS-004
Sample Code	211S-001	211M-001	211M-002	211M-003	211M-004
Sampling Date	1/17/1995	3/1/1995	3/1/1995	3/1/1995	3/1/1995
Sampling Depth (feet bgs)	4 - 4.5	2.5 - 3	2 - 2.5	2.5 - 3	3.5 - 4
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A
Analyte					
2,4,5-T					
2,4,5-TP (SILVEX)					
2,4-D					
2,4-DB					
4,4'-DDD	3.5 U	3.6 U	3.6 U	3.6 U	7.5 U
4,4'-DDE	3.5 U	3.6 U	3.6 U	3.6 U	7.5 U
4,4'-DDT	3.5 U	3.6 U	3.6 U	3.6 U	7.5 U
ALDRIN	1.8 U	1.8 U	1.9 U	1.8 U	3.9 U
ALPHA-BHC	1.8 U	1.8 U	1.9 U	1.8 U	3.9 U
ALPHA-CHLORDANE	1.8 U	1.8 U	1.9 U	1.8 U	3.9 U
AROCLOR-1016	35 U	36 U	36 U	36 U	75 U
AROCLOR-1221	72 U	73 U	74 U	73 U	150 U
AROCLOR-1232	35 U	36 U	36 U	36 U	75 U
AROCLOR-1242	35 U	36 U	36 U	36 U	75 U
AROCLOR-1248	35 U	36 U	36 U	36 U	75 U
AROCLOR-1254	35 U	36 U	36 U	36 U	75 U
AROCLOR-1260	35 U	36 U	36 U	36 U	75 U
AZINPHOS-METHYL					
BETA-BHC	1.8 U	1.8 U	1.9 U	4.2 PJ	3.9 U
CHLORDANE					
DALAPON; 2,2-DICHLOROPROPANOIC					
DELTA-BHC	1.8 U	1.8 U	1.9 U	1.8 U	3.9 U
DEMETON					
DIAZINON					
DICAMBA					
DICHLORPROP					
DIELDRIN	3.5 U	3.6 U	3.6 U	3.6 U	7.5 U
DINOSEB					
DISULFOTON					
ENDOSULFAN I	1.8 U	1.8 U	1.9 U	1.8 U	3.9 U
ENDOSULFAN II	3.5 U	3.6 U	3.6 U	3.6 U	7.5 U
ENDOSULFAN SULFATE	3.5 U	3.6 U	3.6 U	3.6 U	7.5 U
ENDRIN	3.5 U	3.6 U	3.6 U	3.6 U	7.5 U
ENDRIN ALDEHYDE	3.5 U	3.6 U	3.6 U	3.6 U	7.5 U
ENDRIN KETONE	3.5 U	3.6 U	3.6 U	3.6 U	7.5 U
ETHION					
ETHYL PARATHION					
GAMMA-BHC (LINDANE)	1.8 U	1.8 U	1.9 U	1.8 U	3.9 U
GAMMA-CHLORDANE	1.8 U	1.8 U	1.9 U	1.8 U	3.9 U
HEPTACHLOR	1.8 U	1.8 U	1.9 U	1.8 U	3.9 U
HEPTACHLOR EPOXIDE	1.8 U	1.8 U	1.9 U	1.8 U	3.9 U
MALATHION					
MCPA					
MCPP					
METHOXYCHLOR	18 U	18 U	19 U	18 U	39 U
METHYL PARATHION					
TOXAPHENE	180 U	180 U	190 U	180 U	390 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-147: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	148-001-001	148-001-004	148-001-007	150-Z19-016	153-Z22-004	211-002-010	211-002-011	211-002-012
Sample Code	148-0003	148-0006	148-0009	150-0016M	153-0004	211-0013	211-0016	211-0019
Sampling Date	2/7/1995	2/7/1995	2/7/1995	6/21/1995	4/10/1995	10/17/1995	10/17/1995	10/17/1995
Sampling Depth (feet bgs)	3.5 - 4	3.5 - 4	4 - 4.5	.5 - 1	2.5 - 3	5.5 - 6.5	5.5 - 6.5	5 - 5.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B
Analyte								
1,2,4-TRICHLOROBENZENE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
1,2-DICHLOROBENZENE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
1,2-DIPHENYLHYDRAZINE								
1,3-DICHLOROBENZENE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
1,4-DICHLOROBENZENE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
2,2'-OXYBIS(1-CHLOROPROPANE)	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
2,4,5-TRICHLOROPHENOL	840 U	830 U	850 U	1800 U	860 U	840 U	8400 U	900 U
2,4,6-TRICHLOROPHENOL	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
2,4-DICHLOROPHENOL	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
2,4-DIMETHYLPHENOL	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
2,4-DINITROPHENOL	840 U	830 U	850 U	1800 U	860 U	840 U	8400 U	900 U
2,4-DINITROTOLUENE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
2,6-DINITROTOLUENE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
2-CHLORONAPHTHALENE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
2-CHLOROPHENOL	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
2-METHYLNAPHTHALENE	350 U	340 U	350 U	350 U	350 U	350 U	49000 D	370 U
2-METHYLPHENOL	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
2-NITROANILINE	840 U	830 U	850 U	1800 U	860 U	840 U	8400 U	900 U
2-NITROPHENOL	350 U	340 U	350 U	1800 U	350 U	350 U	3500 U	370 U
3,3'-DICHLOROBENZIDINE	350 U	340 U	350 U	1800 U	350 U	350 U	3500 U	370 U
3-NITROANILINE	840 U	830 U	850 U	1800 U	860 U	840 U	8400 U	900 U
4,6-DINITRO-2-METHYLPHENOL	840 U	830 U	850 U	1800 U	860 U	840 U	8400 U	900 U
4-BROMOPHENYL-PHENYLETHER	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
4-CHLORO-3-METHYLPHENOL	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
4-CHLOROANILINE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
4-CHLOROPHENYL-PHENYLETHER	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
4-METHYLPHENOL	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
4-NITROANILINE	840 U	830 U	850 U	1800 U	860 U	840 U	8400 U	900 U
4-NITROPHENOL	840 U	830 U	850 U	1800 U	860 U	840 U	8400 U	900 U
ANILINE				350 U				
AZOBENZENE				350 U				
BENZIDINE				350 U				
BENZOIC ACID								
BENZYL ALCOHOL				350 U				
BIS(2-CHLOROETHOXY)METHANE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
BIS(2-CHLOROETHYL)ETHER	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U

TABLE E-147: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	148-001-001	148-001-004	148-001-007	150-Z19-016	153-Z22-004	211-002-010	211-002-011	211-002-012
Sample Code	148-0003	148-0006	148-0009	150-0016M	153-0004	211-0013	211-0016	211-0019
Sampling Date	2/7/1995	2/7/1995	2/7/1995	6/21/1995	4/10/1995	10/17/1995	10/17/1995	10/17/1995
Sampling Depth (feet bgs)	3.5 - 4	3.5 - 4	4 - 4.5	.5 - 1	2.5 - 3	5.5 - 6.5	5.5 - 6.5	5 - 5.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B
Analyte								
BIS(2-ETHYLHEXYL)PHTHALATE	350 U	340 U	350 U	880	350 U	350 U	560 J	370 U
BUTYLBENZYLPHTHALATE	350 U	340 U	350 U	350 U	32 J	350 U	700 J	370 U
CARBAZOLE	350 U	340 U	350 U		350 U	350 U	3500 U	370 U
DIBENZOFURAN	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
DIETHYLPHTHALATE	350 U	340 U	18 J	350 U	350 U	350 U	3500 U	370 U
DIMETHYLPHTHALATE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
DI-N-BUTYLPHTHALATE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
DI-N-OCTYLPHTHALATE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
HEXACHLOROBENZENE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
HEXACHLOROBUTADIENE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
HEXACHLOROCYCLOPENTADIENE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
HEXACHLOROETHANE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
ISOPHORONE	350 U	340 U	350 U	350 U	350 U	350 U	13000	370 U
NITROBENZENE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
N-NITROSODIMETHYLAMINE				350 U				
N-NITROSO-DI-N-PROPYLAMINE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
N-NITROSODIPHENYLAMINE	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U
PENTACHLOROPHENOL	840 U	830 U	850 U	1800 U	860 U		8400 U	900 U
PHENOL	350 U	340 U	350 U	350 U	350 U	350 U	3500 U	370 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-147: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	211-002-013	211-002-014	211-002-015	211-IWCO-001	211-IW-001	211-IW-002	211-SS-001	211-SS-002
Sample Code	211-0022	211-0025	211-0028	211C-001	211I-001	211I-002	211M-001RE	211M-002
Sampling Date	10/18/1995	10/17/1995	10/17/1995	1/20/1995	1/19/1995	1/20/1995	3/1/1995	3/1/1995
Sampling Depth (feet bgs)	4.5 - 6.5	4.5 - 5.5	5 - 6	1 - 2	5.5 - 6.5	7 - 7.5	2.5 - 3	2 - 2.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A
Analyte								
1,2,4-TRICHLOROBENZENE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
1,2-DICHLOROBENZENE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
1,2-DIPHENYLHYDRAZINE								
1,3-DICHLOROBENZENE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
1,4-DICHLOROBENZENE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
2,2'-OXYBIS(1-CHLOROPROPANE)	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
2,4,5-TRICHLOROPHENOL	940 UJ	920 U	9300 U	8600 U	950 U	880 U	82000 UJ	18000 U
2,4,6-TRICHLOROPHENOL	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
2,4-DICHLOROPHENOL	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
2,4-DIMETHYLPHENOL	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
2,4-DINITROPHENOL	940 UJ	920 U	9300 U	8600 U	950 U	880 U	82000 UJ	18000 U
2,4-DINITROTOLUENE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
2,6-DINITROTOLUENE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
2-CHLORONAPHTHALENE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
2-CHLOROPHENOL	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
2-METHYLNAPHTHALENE	390 UJ	380 U	36000 D	11000	390 U	140 J	18000 J	8100
2-METHYLPHENOL	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
2-NITROANILINE	940 UJ	920 U	9300 U	8600 U	950 U	880 U	82000 UJ	18000 U
2-NITROPHENOL	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
3,3'-DICHLOROBENZIDINE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
3-NITROANILINE	940 UJ	920 U	9300 U	8600 U	950 U	880 U	82000 UJ	18000 U
4,6-DINITRO-2-METHYLPHENOL	940 UJ	920 U	9300 U	8600 U	950 U	880 U	82000 UJ	18000 U
4-BROMOPHENYL-PHENYLETHER	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
4-CHLORO-3-METHYLPHENOL	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
4-CHLOROANILINE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	1100 J
4-CHLOROPHENYL-PHENYLETHER	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
4-METHYLPHENOL	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
4-NITROANILINE	940 UJ	920 U	760 J	8600 U	950 U	880 U	82000 UJ	18000 U
4-NITROPHENOL	940 UJ	920 U	9300 U	8600 U	950 U	880 U	82000 UJ	18000 U
ANILINE								
AZOBENZENE								
BENZIDINE								
BENZOIC ACID								
BENZYL ALCOHOL								
BIS(2-CHLOROETHOXY)METHANE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
BIS(2-CHLOROETHYL)ETHER	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U

TABLE E-147: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	211-002-013	211-002-014	211-002-015	211-IWCO-001	211-IW-001	211-IW-002	211-SS-001	211-SS-002
Sample Code	211-0022	211-0025	211-0028	211C-001	211I-001	211I-002	211M-001RE	211M-002
Sampling Date	10/18/1995	10/17/1995	10/17/1995	1/20/1995	1/19/1995	1/20/1995	3/1/1995	3/1/1995
Sampling Depth (feet bgs)	4.5 - 6.5	4.5 - 5.5	5 - 6	1 - 2	5.5 - 6.5	7 - 7.5	2.5 - 3	2 - 2.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A
Analyte								
BIS(2-ETHYLHEXYL)PHTHALATE	390 U	380 U	3800 U	250 J	390 U	19 J	33000 UJ	7300 U
BUTYLBENZYLPHTHALATE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
CARBAZOLE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
DIBENZOFURAN	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
DIETHYLPHTHALATE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
DIMETHYLPHTHALATE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
DI-N-BUTYLPHTHALATE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
DI-N-OCTYLPHTHALATE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
HEXACHLOROBENZENE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
HEXACHLOROBUTADIENE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 UJ
HEXACHLOROCYCLOPENTADIENE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
HEXACHLOROETHANE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
ISOPHORONE	390 UJ	380 U	10000	3500 U	390 U	360 U	33000 UJ	7300 U
NITROBENZENE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
N-NITROSODIMETHYLAMINE								
N-NITROSO-DI-N-PROPYLAMINE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
N-NITROSODIPHENYLAMINE	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U
PENTACHLOROPHENOL	940 UJ	920 U	9300 U	8600 U	950 U	880 U	82000 UJ	18000 U
PHENOL	390 UJ	380 U	3800 U	3500 U	390 U	360 U	33000 UJ	7300 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-147: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	211-SS-003	211-SS-004	211-SN-001
Sample Code	211M-003RE	211M-004RE	211S-001
Sampling Date	3/1/1995	3/1/1995	1/17/1995
Sampling Depth (feet bgs)	2.5 - 3	3.5 - 4	4 - 4.5
Units	UG/KG	UG/KG	UG/KG
Investigation	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A
Analyte			
1,2,4-TRICHLOROBENZENE	33000 UJ	110000 UJ	350 U
1,2-DICHLOROBENZENE	33000 UJ	110000 UJ	350 U
1,2-DIPHENYLHYDRAZINE			
1,3-DICHLOROBENZENE	33000 UJ	110000 UJ	350 U
1,4-DICHLOROBENZENE	33000 UJ	110000 UJ	350 U
2,2'-OXYBIS(1-CHLOROPROPANE)	33000 UJ	110000 UJ	350 U
2,4,5-TRICHLOROPHENOL	82000 UJ	280000 UJ	860 U
2,4,6-TRICHLOROPHENOL	33000 UJ	110000 UJ	350 U
2,4-DICHLOROPHENOL	33000 UJ	110000 UJ	350 U
2,4-DIMETHYLPHENOL	33000 UJ	110000 UJ	350 U
2,4-DINITROPHENOL	82000 UJ	280000 UJ	860 U
2,4-DINITROTOLUENE	33000 UJ	110000 UJ	350 U
2,6-DINITROTOLUENE	33000 UJ	110000 UJ	350 U
2-CHLORONAPHTHALENE	33000 UJ	110000 UJ	350 U
2-CHLOROPHENOL	33000 UJ	110000 UJ	350 U
2-METHYLNAPHTHALENE	47000	61000 J	350 U
2-METHYLPHENOL	33000 UJ	110000 UJ	350 U
2-NITROANILINE	82000 UJ	280000 UJ	860 U
2-NITROPHENOL	33000 UJ	110000 UJ	350 U
3,3'-DICHLOROBENZIDINE	33000 UJ	110000 UJ	350 U
3-NITROANILINE	82000 UJ	280000 UJ	860 U
4,6-DINITRO-2-METHYLPHENOL	82000 UJ	280000 UJ	860 U
4-BROMOPHENYL-PHENYLETHER	33000 UJ	110000 UJ	350 U
4-CHLORO-3-METHYLPHENOL	33000 UJ	110000 UJ	350 U
4-CHLOROANILINE	33000 UJ	110000 UJ	350 U
4-CHLOROPHENYL-PHENYLETHER	33000 UJ	110000 UJ	350 U
4-METHYLPHENOL	33000 UJ	110000 UJ	350 U
4-NITROANILINE	82000 UJ	280000 UJ	860 U
4-NITROPHENOL	82000 UJ	280000 UJ	860 U
ANILINE			
AZOBENZENE			
BENZIDINE			
BENZOIC ACID			
BENZYL ALCOHOL			
BIS(2-CHLOROETHOXY)METHANE	33000 UJ	110000 UJ	350 U
BIS(2-CHLOROETHYL)ETHER	33000 UJ	110000 UJ	350 U

TABLE E-147: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	211-SS-003	211-SS-004	211-SN-001
Sample Code	211M-003RE	211M-004RE	211S-001
Sampling Date	3/1/1995	3/1/1995	1/17/1995
Sampling Depth (feet bgs)	2.5 - 3	3.5 - 4	4 - 4.5
Units	UG/KG	UG/KG	UG/KG
Investigation	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A
Analyte			
BIS(2-ETHYLHEXYL)PHTHALATE	33000 UJ	110000 UJ	34 J
BUTYLBENZYLPHTHALATE	33000 UJ	110000 UJ	350 U
CARBAZOLE	33000 UJ	110000 UJ	350 U
DIBENZOFURAN	33000 UJ	110000 UJ	350 U
DIETHYLPHTHALATE	33000 UJ	110000 UJ	23 J
DIMETHYLPHTHALATE	33000 UJ	110000 UJ	350 U
DI-N-BUTYLPHTHALATE	33000 UJ	110000 UJ	350 U
DI-N-OCTYLPHTHALATE	33000 UJ	110000 UJ	350 U
HEXACHLOROBENZENE	33000 UJ	110000 UJ	350 U
HEXACHLOROBUTADIENE	33000 UJ	110000 UJ	350 U
HEXACHLOROCYCLOPENTADIENE	33000 UJ	110000 UJ	350 U
HEXACHLOROETHANE	33000 UJ	110000 UJ	350 U
ISOPHORONE	33000 UJ	110000 UJ	350 U
NITROBENZENE	33000 UJ	110000 UJ	350 U
N-NITROSODIMETHYLAMINE			
N-NITROSO-DI-N-PROPYLAMINE	33000 UJ	110000 UJ	350 U
N-NITROSODIPHENYLAMINE	33000 UJ	110000 UJ	350 U
PENTACHLOROPHENOL	82000 UJ	280000 UJ	860 U
PHENOL	33000 UJ	110000 UJ	350 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-148: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	148-001-001	148-001-001	148-001-004	148-001-007	211-002-010	211-002-010
Sample Code	148-0002M	148-0003	148-0005M	148-0008M	211-0012	211-0013
Sampling Date	2/7/1995	2/7/1995	2/7/1995	2/7/1995	10/17/1995	10/17/1995
Sampling Depth (feet bgs)	3.5 - 4	3.5 - 4	3.5 - 4	4 - 4.5	1.5 - 2.5	5.5 - 6.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2B	EBS PHASE 2B
Analyte						
1,1,1-TRICHLOROETHANE	10 U	11 U	10 U	10 U	11 U	11 U
1,1,2,2-TETRACHLOROETHANE		11 U			11 U	11 U
1,1,2-TRICHLOROETHANE		11 U			11 U	11 U
1,1-DICHLOROETHANE		11 U			11 U	11 U
1,1-DICHLOROETHENE	10 U	11 U	10 U	10 U	11 U	11 U
1,2,4-TRIMETHYLBENZENE						
1,2-DICHLOROBENZENE						
1,2-DICHLOROETHANE	10 U	11 U	10 U	10 U	11 U	11 U
1,2-DICHLOROETHENE (TOTAL)		11 U			11 U	11 U
1,2-DICHLOROPROPANE		11 U			11 U	11 U
1,3,5-TRIMETHYLBENZENE						
1,3-DICHLOROBENZENE						
1,4-DICHLOROBENZENE						
2-BUTANONE	10 U	11 U	10 U	10 U	11 U	11 U
2-CHLOROETHYLVINYLETHER						
2-HEXANONE		11 U			11 U	11 U
4-METHYL-2-PENTANONE		11 U			11 U	11 U
ACETONE		11 U			14 U	16 U
BENZENE	10 U	11 U	10 U	10 U	11 U	11 U
BROMODICHLOROMETHANE		11 U			11 U	11 U
BROMOFORM		11 U			11 U	11 U
BROMOMETHANE		11 U			11 U	11 U
CARBON DISULFIDE		11 U			11 U	11 U
CARBON TETRACHLORIDE		11 U			11 U	11 U
CHLOROBENZENE		11 U			11 U	11 U
CHLOROETHANE		11 U			11 U	11 U
CHLOROFORM		11 U			11 U	11 U
CHLOROMETHANE		11 UJ			11 U	11 U
CIS-1,2-DICHLOROETHENE	10 U		10 U	10 U		
CIS-1,3-DICHLOROPROPENE		11 U			11 U	11 U
DIBROMOCHLOROMETHANE		11 U			11 U	11 U
ETHYLBENZENE	10 U	11 U	10 U	10 U	11 U	11 U
HEXANE	20 U		20 U	20 U		
M,P-XYLENE	20 U		20 U	20 U		
METHYLENE CHLORIDE	10 U	5 J	10 U	10 U	11 U	11 U
METHYL-T-BUTYL ETHER						
O-XYLENE	10 U		10 U	10 U		
STYRENE		11 U			11 U	11 U
TETRACHLOROETHENE	10 U	11 U	10 U	10 U	11 U	11 U
TOLUENE	10 U	11 U	10 U	10 U	11 U	1 J
TRANS-1,2-DICHLOROETHENE	10 U		10 U	10 U		
TRANS-1,3-DICHLOROPROPENE		11 U			11 U	11 U
TRICHLOROETHENE	10 U	11 U	10 U	10 U	11 U	11 U
TRICHLOROFLUOROMETHANE						
VINYL ACETATE						
VINYL CHLORIDE	10 U	11 U	10 U	10 U	11 U	11 U
XYLENE (TOTAL)		11 U			11 U	11 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-148: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	211-002-011	211-002-011	211-002-012	211-002-012	211-002-013	211-002-013
Sample Code	211-0015	211-0016	211-0018	211-0019	211-0021	211-0022
Sampling Date	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/18/1995	10/18/1995
Sampling Depth (feet bgs)	1 - 2	5.5 - 6.5	.5 - 1	5 - 5.5	1 - 2	4.5 - 6.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B
Analyte						
1,1,1-TRICHLOROETHANE	10 U	1300 U	10 U	11 U	10 U	12 U
1,1,2,2-TETRACHLOROETHANE	10 U	930 J	10 U	11 U	10 U	12 U
1,1,2-TRICHLOROETHANE	10 U	1300 U	10 U	11 U	10 U	12 U
1,1-DICHLOROETHANE	10 U	1300 U	10 U	11 U	10 U	12 U
1,1-DICHLOROETHENE	10 U	1300 U	10 U	11 U	10 U	12 U
1,2,4-TRIMETHYLBENZENE						
1,2-DICHLOROBENZENE						
1,2-DICHLOROETHANE	10 U	1300 U	10 U	11 U	10 U	12 U
1,2-DICHLOROETHENE (TOTAL)	10 U	1300 U	10 U	11 U	10 U	12 U
1,2-DICHLOROPROPANE	10 U	1300 U	10 U	11 U	10 U	12 U
1,3,5-TRIMETHYLBENZENE						
1,3-DICHLOROBENZENE						
1,4-DICHLOROBENZENE						
2-BUTANONE	10 U	1300 U	10 U	11 U	10 U	12 U
2-CHLOROETHYLVINYLETHER						
2-HEXANONE	10 U	1300 U	10 U	11 U	10 U	12 U
4-METHYL-2-PENTANONE	10 U	1300 U	10 U	11 U	10 U	12 U
ACETONE	28 U	2100 J	32 UJ	18 UJ	20 UJ	34 UJ
BENZENE	10 U	1300 U	10 U	11 U	10 U	12 U
BROMODICHLOROMETHANE	10 U	1300 U	10 U	11 U	10 U	12 U
BROMOFORM	10 U	1300 U	10 U	11 U	10 U	12 U
BROMOMETHANE	10 U	1300 U	10 U	11 U	10 U	12 U
CARBON DISULFIDE	10 U	1300 U	10 U	11 U	10 U	12 U
CARBON TETRACHLORIDE	10 U	1300 U	10 U	11 U	10 U	12 U
CHLOROBENZENE	10 U	1300 U	10 U	11 U	10 U	12 U
CHLOROETHANE	10 U	1300 U	10 U	11 U	10 U	12 U
CHLOROFORM	10 U	1300 U	10 U	11 U	10 U	12 U
CHLOROMETHANE	10 U	1300 U	10 U	11 U	10 U	12 U
CIS-1,2-DICHLOROETHENE						
CIS-1,3-DICHLOROPROPENE	10 U	1300 U	10 U	11 U	10 U	12 U
DIBROMOCHLOROMETHANE	10 U	1300 U	10 U	11 U	10 U	12 U
ETHYLBENZENE	10 U	4700	10 U	11 U	10 U	12 U
HEXANE						
M,P-XYLENE						
METHYLENE CHLORIDE	10 U	1300 U	10 U	11 U	10 U	12 U
METHYL-T-BUTYL ETHER						
O-XYLENE						
STYRENE	10 U	1300 U	10 U	11 U	10 U	12 U
TETRACHLOROETHENE	10 U	1300 U	10 U	11 U	10 U	12 U
TOLUENE	10 U	1300 U	10 U	11 U	10 U	12 U
TRANS-1,2-DICHLOROETHENE						
TRANS-1,3-DICHLOROPROPENE	10 U	1300 U	10 U	11 U	10 U	12 U
TRICHLOROETHENE	10 U	1300 U	10 U	11 U	10 U	12 U
TRICHLOROFLUOROMETHANE						
VINYL ACETATE						
VINYL CHLORIDE	10 U	1300 U	10 U	11 U	10 U	12 U
XYLENE (TOTAL)	3 J	2600	10 U	11 U	10 U	12 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-148: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	211-002-014	211-002-014	211-002-015	211-002-015	211-IW-001	211-IW-001
Sample Code	211-0024	211-0025	211-0027	211-0028	211I-001	211I-001M
Sampling Date	10/17/1995	10/17/1995	10/17/1995	10/17/1995	1/19/1995	1/19/1995
Sampling Depth (feet bgs)	.5 - 1	4.5 - 5.5	1 - 2	5 - 6	5.5 - 6.5	5.5 - 6.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2A	EBS PHASE 2A
Analyte						
1,1,1-TRICHLOROETHANE	11 U	12 U	10 U	1400 U	12 U	10 U
1,1,2,2-TETRACHLOROETHANE	11 U	12 U	10 U	1400 U	12 U	
1,1,2-TRICHLOROETHANE	11 U	12 U	10 U	1400 U	12 U	
1,1-DICHLOROETHANE	11 U	12 U	10 U	1400 U	12 U	
1,1-DICHLOROETHENE	11 U	12 U	10 U	1400 U	12 U	10 U
1,2,4-TRIMETHYLBENZENE						
1,2-DICHLOROBENZENE						
1,2-DICHLOROETHANE	11 U	12 U	10 U	1400 U	12 U	10 U
1,2-DICHLOROETHENE (TOTAL)	11 U	12 U	10 U	1400 U	12 U	
1,2-DICHLOROPROPANE	11 U	12 U	10 U	1400 U	12 U	
1,3,5-TRIMETHYLBENZENE						
1,3-DICHLOROBENZENE						
1,4-DICHLOROBENZENE						
2-BUTANONE	11 U	12 U	10 U	1400 U	12 U	10 U
2-CHLOROETHYLVINYLETHER						
2-HEXANONE	11 U	12 U	10 U	1400 U	12 U	
4-METHYL-2-PENTANONE	11 U	12 U	10 U	1400 U	12 U	
ACETONE	14 UJ	20 UJ	24 UJ	1400 U	12 U	
BENZENE	11 U	12 U	1 J	1400 U	12 U	10 U
BROMODICHLOROMETHANE	11 U	12 U	10 U	1400 U	12 U	
BROMOFORM	11 U	12 U	10 U	1400 U	12 U	
BROMOMETHANE	11 U	12 U	10 U	1400 U	12 U	
CARBON DISULFIDE	11 U	12 U	10 U	1400 U	12 U	
CARBON TETRACHLORIDE	11 U	12 U	10 U	1400 U	12 U	
CHLOROBENZENE	11 U	12 U	10 U	1400 U	12 U	
CHLOROETHANE	11 U	12 U	10 U	1400 U	12 U	
CHLOROFORM	11 U	12 U	10 U	1400 U	12 U	
CHLOROMETHANE	11 U	12 U	10 U	1400 U	12 U	
CIS-1,2-DICHLOROETHENE						10 U
CIS-1,3-DICHLOROPROPENE	11 U	12 U	10 U	1400 U	12 U	
DIBROMOCHLOROMETHANE	11 U	12 U	10 U	1400 U	12 U	
ETHYLBENZENE	11 U	12 U	10 U	1400 U	12 U	10 U
HEXANE						20 U
M,P-XYLENE						20 U
METHYLENE CHLORIDE	11 U	12 U	10 U	1400 U	12 U	10 U
METHYL-T-BUTYL ETHER						
O-XYLENE						10 U
STYRENE	11 U	12 U	10 U	1400 U	12 U	
TETRACHLOROETHENE	11 U	12 U	10 U	1400 U	12 U	10 U
TOLUENE	11 U	12 U	10 U	1400 U	12 U	10 U
TRANS-1,2-DICHLOROETHENE						10 U
TRANS-1,3-DICHLOROPROPENE	11 U	12 U	10 U	1400 U	12 U	
TRICHLOROETHENE	11 U	12 U	10 U	1400 U	12 U	10 U
TRICHLOROFLUOROMETHANE						
VINYL ACETATE						
VINYL CHLORIDE	11 U	12 U	10 U	1400 U	12 U	10 U
XYLENE (TOTAL)	11 U	12 U	10 U	1400 U	12 U	

Notes:

UG/KG Micrograms per kilogram

TABLE E-148: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	211-IW-002	211-IW-002	211-IWCO-001	211-IWCO-001	211-SN-001
Sample Code	211I-002	211I-002M	211C-001	211C-001M	211S-001M
Sampling Date	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/17/1995
Sampling Depth (feet bgs)	7 - 7.5	7 - 7.5	1 - 2	1 - 2	4 - 4.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A
Analyte					
1,1,1-TRICHLOROETHANE	11 U	10 U	54 U	400 U	10 U
1,1,2,2-TETRACHLOROETHANE	11 U		54 U		
1,1,2-TRICHLOROETHANE	11 U		54 U		
1,1-DICHLOROETHANE	11 U		54 U		
1,1-DICHLOROETHENE	11 U	10 U	54 U	400 U	10 U
1,2,4-TRIMETHYLBENZENE					
1,2-DICHLOROBENZENE					
1,2-DICHLOROETHANE	11 U	10 U	54 U	400 U	10 U
1,2-DICHLOROETHENE (TOTAL)	11 U		54 U		
1,2-DICHLOROPROPANE	11 U		54 U		
1,3,5-TRIMETHYLBENZENE					
1,3-DICHLOROBENZENE					
1,4-DICHLOROBENZENE					
2-BUTANONE	11 U	10 U	54 U	400 U	10 U
2-CHLOROETHYLVINYLETHER					
2-HEXANONE	11 U		54 U		
4-METHYL-2-PENTANONE	11 U		54 U		
ACETONE	11 U		38 J		
BENZENE	11 U	10 U	54 U	400 U	10 U
BROMODICHLOROMETHANE	11 U		54 U		
BROMOFORM	11 U		54 U		
BROMOMETHANE	11 U		54 U		
CARBON DISULFIDE	11 U		54 U		
CARBON TETRACHLORIDE	11 U		54 U		
CHLOROBENZENE	11 U		54 U		
CHLOROETHANE	11 U		54 U		
CHLOROFORM	11 U		54 U		
CHLOROMETHANE	11 U		54 U		
CIS-1,2-DICHLOROETHENE		10 U		400 U	10 U
CIS-1,3-DICHLOROPROPENE	11 U		54 U		
DIBROMOCHLOROMETHANE	11 U		54 U		
ETHYLBENZENE	11 U	10 U	190	1500	10 U
HEXANE		20 U		800 U	20 U
M,P-XYLENE		20 U		800	20 U
METHYLENE CHLORIDE	11 U	10 U	54 U	400 U	10 U
METHYL-T-BUTYL ETHER					
O-XYLENE		10 U		400	10 U
STYRENE	11 U		54 U		
TETRACHLOROETHENE	11 U	10 U	54 U	400 U	10 U
TOLUENE	11 U	10 U	17 J	400 U	10 U
TRANS-1,2-DICHLOROETHENE		10 U		400 U	10 U
TRANS-1,3-DICHLOROPROPENE	11 U		54 U		
TRICHLOROETHENE	11 U	10 U	54 U	400 U	10 U
TRICHLOROFLUOROMETHANE					
VINYL ACETATE					
VINYL CHLORIDE	11 U	10 U	54 U	400 U	10 U
XYLENE (TOTAL)	11 U		120		

Notes:

UG/KG Micrograms per kilogram

TABLE E-148: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	211-SS-001	211-SS-002	211-SS-003	211-SS-004
Sample Code	211M-001M	211M-002M	211M-003M	211M-004M
Sampling Date	3/1/1995	3/1/1995	3/1/1995	3/1/1995
Sampling Depth (feet bgs)	2.5 - 3	2 - 2.5	2.5 - 3	3.5 - 4
Units	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A
Analyte				
1,1,1-TRICHLOROETHANE	10 U	200 U	330 U	500 U
1,1,2,2-TETRACHLOROETHANE				
1,1,2-TRICHLOROETHANE				
1,1-DICHLOROETHANE				
1,1-DICHLOROETHENE	10 U	200 U	330 U	500 U
1,2,4-TRIMETHYLBENZENE				
1,2-DICHLOROBENZENE				
1,2-DICHLOROETHANE	10 U	200 U	330 U	500 U
1,2-DICHLOROETHENE (TOTAL)				
1,2-DICHLOROPROPANE				
1,3,5-TRIMETHYLBENZENE				
1,3-DICHLOROBENZENE				
1,4-DICHLOROBENZENE				
2-BUTANONE	7300	2000	480	1600
2-CHLOROETHYLVINYLETHER				
2-HEXANONE				
4-METHYL-2-PENTANONE				
ACETONE				
BENZENE	200 U	590	370	500 U
BROMODICHLOROMETHANE				
BROMOFORM				
BROMOMETHANE				
CARBON DISULFIDE				
CARBON TETRACHLORIDE				
CHLOROBENZENE				
CHLOROETHANE				
CHLOROFORM				
CHLOROMETHANE				
CIS-1,2-DICHLOROETHENE	10 U	200 U	330 U	500 U
CIS-1,3-DICHLOROPROPENE				
DIBROMOCHLOROMETHANE				
ETHYLBENZENE	200 U	200 U	16000	8600
HEXANE	20 U	400 U	670 U	1000 U
M,P-XYLENE	600	400 U	600	1800
METHYLENE CHLORIDE	10 U	200 U	330 U	500 U
METHYL-T-BUTYL ETHER				
O-XYLENE	600	200 U	600	1800
STYRENE				
TETRACHLOROETHENE	10 U	200 U	330 U	500 U
TOLUENE	390	200 U	330 U	500 U
TRANS-1,2-DICHLOROETHENE	10 U	200 U	330 U	500 U
TRANS-1,3-DICHLOROPROPENE				
TRICHLOROETHENE	10 U	200 U	330 U	500 U
TRICHLOROFLUOROMETHANE				
VINYL ACETATE				
VINYL CHLORIDE	10 U	200 U	330 U	500 U
XYLENE (TOTAL)				

Notes:

UG/KG Micrograms per kilogram

TABLE E-149: SITE 23 TOTAL METALS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

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Location	148-001-001	148-001-001	148-001-004	148-001-007	150-Z19-016	153-Z22-004	153-Z22-004	211-IW-001	211-IW-001
Sample Code	148-0002M	148-0003	148-0005M	148-0008M	150-0016M	153-0004	153-0004M	211I-001	211I-001M
Sampling Date	2/7/1995	2/7/1995	2/7/1995	2/7/1995	6/21/1995	4/10/1995	4/10/1995	1/19/1995	1/19/1995
Sampling Depth (feet bgs)	3.5 - 4	3.5 - 4	3.5 - 4	4 - 4.5	.5 - 1	2.5 - 3	2.5 - 3	5.5 - 6.5	5.5 - 6.5
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A
Analyte									
ALUMINUM		3110						4340	
ANTIMONY	25 U	0.44 JUN	25 U	25 U				0.5 JUN	25 U
ARSENIC		1.4 B						1.1 U	
BARIUM		29.7 B						55.5	
BERYLLIUM	25 U	0.16 U	25 U	25 U				0.18 U	25 U
CADMIUM	25 U	0.08 U	25 U	25 U				0.09 U	25 U
CALCIUM		2330						3890	
CHROMIUM	25 U	22.5	25 U	25 U				34.3	25 U
COBALT		4.3 B						3.9 BJ	
COPPER	25 U	5.6	25 U	25 U				16.5	25 U
IRON		5840						7080	
LEAD	25 U	1.3	25 U	25 U	1.7	4.4	5.8	2	25 U
MAGNESIUM		1590						2040 J	
MANGANESE		66.9						86.6	
MERCURY	25 U	0.16 U	25 U	25 U				0.18 U	25 U
MOLYBDENUM		1.9 U						2.2 JU	
NICKEL	25 U	16.6	41	32				22.8	48
POTASSIUM		463 B						612 BJ	
SELENIUM		0.54 U						0.62 U	
SILVER	25 U	0.4 JU	25 U	25 U				0.46 U	25 U
SODIUM		69.2 B						301 B	
THALLIUM		2.7						3.5 U	
TITANIUM									
VANADIUM		13.2						19.3	
ZINC	25 U	17.6	25	25 U				24.5 EJ	25 U

Notes:

MG/KG Milligrams per kilogram

TABLE E-149: SITE 23 TOTAL METALS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	211-IW-002	211-IW-002	211-IWCO-001	211-IWCO-001	211-SN-001	211-SS-001	211-SS-002	211-SS-003	211-SS-004
Sample Code	211I-002	211I-002M	211C-001	211C-001M	211S-001M	211M-001M	211M-002M	211M-003M	211M-004M
Sampling Date	1/20/1995	1/20/1995	1/20/1995	1/20/1995	1/17/1995	3/1/1995	3/1/1995	3/1/1995	3/1/1995
Sampling Depth (feet bgs)	7 - 7.5	7 - 7.5	1 - 2	1 - 2	4 - 4.5	2.5 - 3	2 - 2.5	2.5 - 3	3.5 - 4
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A
Analyte									
ALUMINUM	4210		3480						
ANTIMONY	0.47 JUN	25 U	0.82 BNJ	25 U	25 U	25 U	25 U	25 U	25 U
ARSENIC	1.1 U		1.1 U						
BARIUM	40.8 B		58.6						
BERYLLIUM	0.22 B	25 U	0.17 U	25 U	25 U	25 U	25 U	25 U	25 U
CADMIUM	0.08 U	25 U	0.65 BU	25 U	25 U	25 U	25 U	25 U	25 U
CALCIUM	3780		3610						
CHROMIUM	24.9	25 U	32.3	25 U	25 U	25 U	25 U	25 U	25 U
COBALT	3.9 BJ		3.4 BJ						
COPPER	15.8	25 U	6	25 U	25 U	25 U	25 U	25 U	25 U
IRON	7540		6030						
LEAD	4.3	25 U	20.5	25 U	25 U	25 U	25 U	25 U	47
MAGNESIUM	2590 J		1740 J						
MANGANESE	136		78.3						
MERCURY	0.17 U	25 U	0.16 U	25 U	25 U	25 U	25 U	25 U	25 U
MOLYBDENUM	2 JU		2 JU						
NICKEL	23.4	41	18	77	25 U	32	27	32	32
POTASSIUM	675 BJ		435 BJ						
SELENIUM	0.57 U		0.58 U						
SILVER	0.42 U	25 U	0.43 U	25 U	25 U	25 U	25 U	25 U	25 U
SODIUM	357 B		283 B						
THALLIUM	2.4 U		2.3 U						
TITANIUM									
VANADIUM	15		15.2						
ZINC	24.9 EJ	28	30.1 EJ	43	25 U	25	25 U	25 U	25 U

Notes:

MG/KG Milligrams per kilogram

TABLE E-150: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

(Page 1 of 3)

Location	148-001-001	148-001-001	148-001-004	148-001-007	150-Z19-016	153-Z22-004	153-Z22-004	211-001-001
Sample Code	148-0002M	148-0003	148-0005M	148-0008M	150-0016M	153-0004	153-0004M	211-0001M
Sampling Date	2/7/1995	2/7/1995	2/7/1995	2/7/1995	6/21/1995	4/10/1995	4/10/1995	3/31/1995
Sampling Depth (feet bgs)	3.5 - 4	3.5 - 4	3.5 - 4	4 - 4.5	.5 - 1	2.5 - 3	2.5 - 3	.5 - 1
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A
Analyte								
BENZENE								
DIESEL RANGE ORGANICS	50 U	11 UJ	50 U	50 U	3	11 U	1.1 U	1500
ETHYLBENZENE								
GASOLINE RANGE ORGANICS	50 U	0.53 UJ	50 U	50 U	0.5 U	0.5 U	0.57 U	650
JP5 RANGE ORGANICS								
METHYL-T-BUTYL ETHER								
MOTOR OIL RANGE ORGANICS		450 YJ			1100	100 YJ	36	270 U
TOLUENE								
XYLENE (TOTAL)								

Location	211-001-002	211-001-003	211-001-004	211-001-005	211-001-005	211-001-006	211-001-007	211-001-008
Sample Code	211-0002M	211-0003M	211-0004M	211-0005	211-0005M	211-0006M	211-0007M	211-0008
Sampling Date	3/31/1995	3/31/1995	3/31/1995	3/31/1995	3/31/1995	3/31/1995	3/31/1995	3/31/1995
Sampling Depth (feet bgs)	.5 - 1	.5 - 1	.5 - 1	0 - 0.5	.5 - 1	.5 - 1	.5 - 1	0 - 0.5
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A
Analyte								
BENZENE								
DIESEL RANGE ORGANICS	7900	430	24	2500 YJ	1700	360	2.2 U	17000 YJ
ETHYLBENZENE								
GASOLINE RANGE ORGANICS	1000	0.53 U	0.52 U	320 ZJ	480	0.53 U	0.53 U	540 ZJ
JP5 RANGE ORGANICS								
METHYL-T-BUTYL ETHER								
MOTOR OIL RANGE ORGANICS	2700 U	1800	66	210 U	260 U	700	160	440 U
TOLUENE								
XYLENE (TOTAL)								

Notes:

MG/KG Miligrams per kilogram

TABLE E-150: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	211-001-008	211-002-010	211-002-010	211-002-011	211-002-011	211-002-012	211-002-012	211-002-013
Sample Code	211-0008M	211-0012	211-0013	211-0015	211-0016	211-0018	211-0019	211-0021
Sampling Date	3/31/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/18/1995
Sampling Depth (feet bgs)	0 - 0.5	1.5 - 2.5	5.5 - 6.5	1 - 2	5.5 - 6.5	.5 - 1	5 - 5.5	1 - 2
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	EBS PHASE 2A	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B
Analyte								
BENZENE								
DIESEL RANGE ORGANICS	13000	26 U	26 UJ	3000	5700	26 U	28 U	25 U
ETHYLBENZENE								
GASOLINE RANGE ORGANICS	810	0.53 U	0.53 U	490 YJ	2500 YJ	0.52 U	0.58 U	0.78 ZJ
JP5 RANGE ORGANICS								
METHYL-T-BUTYL ETHER								
MOTOR OIL RANGE ORGANICS	5600 U	26 U	26 UJ	260 U	260 U	26 U	28 U	25 U
TOLUENE								
XYLENE (TOTAL)								

Location	211-002-013	211-002-014	211-002-014	211-002-015	211-002-015	211-IWCO-001	211-IW-001	211-IW-002
Sample Code	211-0022	211-0024	211-0025	211-0027	211-0028	211C-001	211I-001	211I-002
Sampling Date	10/18/1995	10/17/1995	10/17/1995	10/17/1995	10/17/1995	1/20/1995	1/19/1995	1/20/1995
Sampling Depth (feet bgs)	4.5 - 6.5	.5 - 1	4.5 - 5.5	1 - 2	5 - 6	1 - 2	5.5 - 6.5	7 - 7.5
Units	MG/KG	UG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A
Analyte								
BENZENE								
DIESEL RANGE ORGANICS	29 UJ		29 UJ	25 U	11000	9060 YJ	12 U	11 U
ETHYLBENZENE								
GASOLINE RANGE ORGANICS	0.88 YJ	0.53 U	0.58 U	0.52 U	33 YJ	1180 ZJ	0.6 U	0.55 U
JP5 RANGE ORGANICS								
METHYL-T-BUTYL ETHER								
MOTOR OIL RANGE ORGANICS	29 UJ		29 UJ	25 U	1400 U	220 U	260 YJ	81 YJ
TOLUENE								
XYLENE (TOTAL)								

Notes:

MG/KG Milligrams per kilogram

TABLE E-150: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	211-SS-001	211-SS-002	211-SS-003
Sample Code	211M-001M	211M-002M	211M-003M
Sampling Date	3/1/1995	3/1/1995	3/1/1995
Sampling Depth (feet bgs)	2.5 - 3	2 - 2.5	2.5 - 3
Units	MG/KG	MG/KG	MG/KG
Investigation	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A
Analyte			
BENZENE			
DIESEL RANGE ORGANICS	5400	3800	10000
ETHYLBENZENE			
GASOLINE RANGE ORGANICS	9300	5300	18000
JP5 RANGE ORGANICS			
METHYL-T-BUTYL ETHER			
MOTOR OIL RANGE ORGANICS			
TOLUENE			
XYLENE (TOTAL)			

Location	211-SS-004	211-SN-001
Sample Code	211M-004M	211S-001M
Sampling Date	3/1/1995	1/17/1995
Sampling Depth (feet bgs)	3.5 - 4	4 - 4.5
Units	MG/KG	MG/KG
Investigation	EBS PHASE 2A	EBS PHASE 2A
Analyte		
BENZENE		
DIESEL RANGE ORGANICS	35000	50 U
ETHYLBENZENE		
GASOLINE RANGE ORGANICS	37000	50 U
JP5 RANGE ORGANICS		
METHYL-T-BUTYL ETHER		
MOTOR OIL RANGE ORGANICS		
TOLUENE		
XYLENE (TOTAL)		

Notes:

MG/KG Miligrams per kilogram

TABLE E-151:. SITE 23 GENERAL CHEMISTRY IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

(Page 1 of 2)

Location	148-001-001	148-001-004	148-001-007	153-Z22-004	211-001-005	211-001-008	211-002-010	211-002-010
Sample Code	148-0003	148-0006	148-0009	153-0004	211-0005	211-0008	211-0012	211-0013
Sampling Date	2/7/1995	2/7/1995	2/7/1995	4/10/1995	3/31/1995	3/31/1995	10/17/1995	10/17/1995
Sampling Depth (feet bgs)	3.5 - 4	3.5 - 4	4 - 4.5	2.5 - 3	0 - 0.5	0 - 0.5	1.5 - 2.5	5.5 - 6.5
Units	%MST	%MST	%MST	%MST	%MST	%MST	%MST	%MST
Investigation	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2B	EBS PHASE 2B
Analyte								
CYANIDE								
PERCENT MOISTURE	5	4	6	7	4	10	6	6
PH	8.5	9.5	9.6	8.8				9
SULFIDE								

Location	211-002-011	211-002-011	211-002-012	211-002-012	211-002-013	211-002-013	211-002-014	211-002-014
Sample Code	211-0015	211-0016	211-0018	211-0019	211-0021	211-0022	211-0024	211-0025
Sampling Date	10/17/1995	10/17/1995	10/17/1995	10/17/1995	10/18/1995	10/18/1995	10/17/1995	10/17/1995
Sampling Depth (feet bgs)	1 - 2	5.5 - 6.5	.5 - 1	5 - 5.5	1 - 2	4.5 - 6.5	.5 - 1	4.5 - 5.5
Units	%MST	%MST	%MST	%MST	%MST	%MST	%MST	%MST
Investigation	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B
Analyte								
CYANIDE								
PERCENT MOISTURE	4	6	4	13	2	16	5	14
PH		8.9		8.9		9.1		9.6
SULFIDE								

Location	211-002-015	211-002-015	211-IW-001	211-IW-002	211-IWCO-001	211-SN-001	211-SS-001	211-SS-002
Sample Code	211-0027	211-0028	211I-001	211I-002	211C-001	211S-001	211M-001	211M-002
Sampling Date	10/17/1995	10/17/1995	1/19/1995	1/20/1995	1/20/1995	1/17/1995	3/1/1995	3/1/1995
Sampling Depth (feet bgs)	1 - 2	5 - 6	5.5 - 6.5	7 - 7.5	1 - 2	4 - 4.5	2.5 - 3	2 - 2.5
Units	%MST	%MST	MG/KG	MG/KG	MG/KG	%MST	%MST	%MST
Investigation	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A
Analyte								
CYANIDE			0.44 UJ	0.47 UJ	0.46 UJ			
PERCENT MOISTURE	4	15	16	9	7	7	8	9
PH		8.6	9.1	9.7	8.2	9.9	8.6	8.6
SULFIDE			29.7 U	27.5 UJ	26.9 UJ			

Notes:

%MST Percent moisture

MG/KG Miligrams per kilogram

TABLE E-151: SITE 23 GENERAL CHEMISTRY IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California
(Page 2 of 2)

Location	211-SS-003	211-SS-004
Sample Code	211M-003	211M-004
Sampling Date	3/1/1995	3/1/1995
Sampling Depth (feet bgs)	2.5 - 3	3.5 - 4
Units	%MST	%MST
Investigation	EBS PHASE 2A	EBS PHASE 2A
Analyte		
CYANIDE		
PERCENT MOISTURE	8	12
PH	8.4	8.7
SULFIDE		

Notes:

%MST	Percent moisture
MG/KG	Miligrams per kilogram

TABLE E-152: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

(Page 1 of 1)

Location	211-002-010	211-002-011	211-002-012	211-002-013	211-002-014	211-002-015
Sample Code	211-0011	211-0014	211-0017	211-0020	211-0023	211-0026
Sampling Date	10/17/1995	10/17/1995	10/17/1995	10/18/1995	10/17/1995	10/17/1995
Sampling Depth (feet bgs)	9 - 9	9 - 9	9 - 9	7.5 - 8.5	9 - 9	9 - 9
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B	EBS PHASE 2B
Analyte						
BENZENE						
DIESEL RANGE ORGANICS	290 dYJ	14000 dYRJ	100 U	100 U	100 U	1000 dYJ
ETHYLBENZENE						
GASOLINE RANGE ORGANICS	50 U	2100 dJ	50 U	50 U	50 U	4800 YdJ
JP5 RANGE ORGANICS						
METHYL-T-BUTYL ETHER						
MOTOR OIL RANGE ORGANICS	300 UQ	1500 U	300 dYJ	200 U	200 U	200 U
TOLUENE						
XYLENE (TOTAL)						

Notes:

UG/L Micrograms per liter

TABLE E-153: SITE 23 VOLATILE ORGANIC COMPOUNDS IN AIR

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	148-001-001	148-001-004	148-001-007
Sample Code	148-0001M	148-0004M	148-0007M
Sampling Date	2/7/1995	2/7/1995	2/7/1995
Sampling Depth (feet bgs)	5 - 5	3.5 - 4	3 - 3.5
Units	UG/L	UG/L	UG/L
Investigation	EBS PHASE 2A	EBS PHASE 2A	EBS PHASE 2A
Analyte			
1,1,1-TRICHLOROETHANE	2 U	2 U	2 U
1,1-DICHLOROETHENE	2 U	2 U	2 U
1,2-DICHLOROETHANE	2 U	2 U	2 U
2-BUTANONE	10 U	10 U	10 U
BENZENE	2 U	2 U	2 U
CIS-1,2-DICHLOROETHENE	2 U	2 U	2 U
ETHYLBENZENE	2 U	2 U	2 U
HEXANE	10 U	10 U	10 U
M,P-XYLENE	4 U	4 U	4 U
METHYLENE CHLORIDE	2 U	2 U	2 U
O-XYLENE	2 U	2 U	2 U
TETRACHLOROETHENE	2 U	2 U	2 U
TOLUENE	2 U	2 U	2 U
TRANS-1,2-DICHLOROETHENE	2 U	2 U	2 U
TRICHLOROETHENE	2 U	2 U	2 U
VINYL CHLORIDE	2 U	2 U	2 U

Notes:

UG/L Micrograms per liter

SITE 23
REMEDIAL INVESTIGATIONS

TABLE E-154: SITE 23 PESTICIDES, PCBs, AND HERBICIDES IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-12	BOR-12	BOR-12	BOR-12	BOR-12
Sample Code	BOR-12 [0.5-1.0]	BOR-12 [4.0-4.5]	BOR-12 [10.0-10.5]	BOR-12 [11.5-12.0]	BOR-12 [14.5-15.0]
Sampling Date	7/18/1990	7/18/1990	7/18/1990	7/18/1990	7/18/1990
Sampling Depth (feet bgs)	.5 - 1	4 - 4.5	10 - 10.5	11.5 - 12	14.5 - 15
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
2,4,5-T					
2,4,5-TP (SILVEX)					
2,4-D					
2,4-DB					
4,4'-DDD	77 U	7.8 U	9.1 U	9.1 U	8.8 U
4,4'-DDE	28 U	2.8 U	3.3 U	3.3 U	3.2 U
4,4'-DDT	83 U	8.4 U	9.9 U	9.8 U	9.5 U
ALDRIN	28 U	2.8 U	3.3 U	3.3 U	3.2 U
ALPHA-BHC	21 U	2.1 U	2.5 U	2.5 U	2.4 U
ALPHA-CHLORDANE	34 U	3.5 U	4.1 U	4.1 U	3.9 U
AROCLOR-1016	330 U	34 U	39 U	39 U	38 U
AROCLOR-1221	830 U	84 U	99 U	98 U	95 U
AROCLOR-1232	830 U	84 U	99 U	98 U	95 U
AROCLOR-1242	330 U	34 U	39 U	39 U	38 U
AROCLOR-1248	170 U	17 U	20 U	20 U	19 U
AROCLOR-1254	170 U	17 U	20 U	20 U	19 U
AROCLOR-1260	170 U	17 U	20 U	20 U	19 U
AZINPHOS-METHYL					
BETA-BHC	41 U	4.2 U	4.9 U	4.9 U	4.8 U
CHLORDANE					
DALAPON; 2,2-DICHLOROPROPANOIC					
DELTA-BHC	41 U	4.2 U	4.9 U	4.9 U	4.8 U
DEMETON					
DIAZINON					
DICAMBA					
DICHLORPROP					
DIELDRIN	13 U	1.4 U	1.6 U	1.6 U	1.5 U
DINOSEB					
DISULFOTON					
ENDOSULFAN I	41 U	4.2 U	4.9 U	4.9 U	4.8 U
ENDOSULFAN II	28 U	2.8 U	3.3 U	3.3 U	3.2 U
ENDOSULFAN SULFATE	83 U	8.4 U	9.9 U	9.8 U	9.5 U
ENDRIN				4.9 U	
ENDRIN ALDEHYDE					
ENDRIN KETONE	83 U	8.4 U	9.9 U	9.8 U	9.5 U
ETHION					
ETHYL PARATHION					
GAMMA-BHC (LINDANE)	28 U	2.8 U	3.3 U	3.3 U	3.2 U
GAMMA-CHLORDANE	34 U	3.5 U	4.1 U	4.1 U	3.9 U
HEPTACHLOR				2.5 U	
HEPTACHLOR EPOXIDE	41 U	4.2 U	4.9 U	4.9 U	4.8 U
MALATHION					
MCPA					
MCPP					
METHOXYCHLOR	170 U	17 U	20 U	20 U	19 U
METHYL PARATHION					
TOXAPHENE	690 U	70 U	83 U	82 U	80 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-154: SITE 23 PESTICIDES, PCBs, AND HERBICIDES IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-20	BOR-20	BOR-20	BOR-20	BOR-20
Sample Code	BOR-20 [2.5-3.0]	BOR-20 [5.0-5.5]	BOR-20 [7.0-7.5]	BOR-20 [10.5-11.0]	BOR-20 [14.5-15.0]
Sampling Date	7/17/1990	7/17/1990	7/17/1990	7/17/1990	7/17/1990
Sampling Depth (feet bgs)	2.5 - 3	5 - 5.5	7 - 7.5	10.5 - 11	14.5 - 15
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
2,4,5-T					
2,4,5-TP (SILVEX)					
2,4-D					
2,4-DB					
4,4'-DDD		2.2 U	2.4 U	2.4 U	2.4 U
4,4'-DDE		2.2 U	2.4 U	2.4 U	2.4 U
4,4'-DDT		2.2 U	2.4 U	2.4 U	2.4 U
ALDRIN		1.1 U	1.2 U	1.2 U	1.2 U
ALPHA-BHC		1.1 U	1.2 U	1.2 U	1.2 U
ALPHA-CHLORDANE					
AROCLOR-1016		28 U	30 U	30 U	31 U
AROCLOR-1221		28 U	30 U	30 U	31 U
AROCLOR-1232		28 U	30 U	30 U	31 U
AROCLOR-1242		28 U	30 U	30 U	31 U
AROCLOR-1248		28 U	30 U	30 U	31 U
AROCLOR-1254		55 U	60 U	61 U	61 U
AROCLOR-1260		55 U	60 U	61 U	61 U
AZINPHOS-METHYL					
BETA-BHC		1.1 U	1.2 U	1.2 U	1.2 U
CHLORDANE		11 U	12 U	12 U	12 U
DALAPON; 2,2-DICHLOROPROPANOIC					
DELTA-BHC		1.1 U	1.2 U	1.2 U	1.2 U
DEMETON					
DIAZINON					
DICAMBA					
DICHLORPROP					
DIELDRIN		2.2 U	2.4 U	2.4 U	2.4 U
DINOSEB					
DISULFOTON					
ENDOSULFAN I		2.2 U	2.4 U	2.4 U	2.4 U
ENDOSULFAN II	2.1 U	2.2 U	2.4 U	2.4 U	2.4 U
ENDOSULFAN SULFATE		2.2 U	2.4 U	2.4 U	2.4 U
ENDRIN	2.1 U	2.2 U	2.4 U	2.4 U	2.4 U
ENDRIN ALDEHYDE	2.1 U	2.2 U	2.4 U	2.4 U	2.4 U
ENDRIN KETONE					
ETHION					
ETHYL PARATHION					
GAMMA-BHC (LINDANE)		1.1 U	1.2 U	1.2 U	1.2 U
GAMMA-CHLORDANE					
HEPTACHLOR		1.1 U	1.2 U	1.2 U	1.2 U
HEPTACHLOR EPOXIDE	1 U	1.1 U	1.2 U	1.2 U	1.2 U
MALATHION					
MCPA					
MCPP					
METHOXYCHLOR		5.5 U	6 U	6.1 U	6.1 U
METHYL PARATHION					
TOXAPHENE		55 U	60 U	61 U	61 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-154: SITE 23 PESTICIDES, PCBs, AND HERBICIDES IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-22	BOR-22	BOR-22	BOR-22	BOR-22
Sample Code	BOR-22 [0.5-1.0]	BOR-22 [3.5-4.0]	BOR-22 [8.0-8.5]	BOR-22 [11.5-12.0]	BOR-22 [14.5-15.0]
Sampling Date	7/23/1990	7/23/1990	7/23/1990	7/23/1990	7/23/1990
Sampling Depth (feet bgs)	.5 - 1	3.5 - 4	8 - 8.5	11.5 - 12	14.5 - 15
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
2,4,5-T					
2,4,5-TP (SILVEX)					
2,4-D					
2,4-DB					
4,4'-DDD	2.3 U	2.1 U	2.6 U	3.4 U	2.4 U
4,4'-DDE	2.3 U	2.1 U	2.6 U	3.4 U	2.4 U
4,4'-DDT	2.3 U	2.8	2.6 U	3.4 U	2.4 U
ALDRIN	1.2 U	1.1 U	1.3 U	1.7 U	1.2 U
ALPHA-BHC	1.2 U	1.1 U	1.3 U	1.7 U	1.2 U
ALPHA-CHLORDANE					
AROCLOR-1016	29 U	27 U	32 U	43 U	30 U
AROCLOR-1221	29 U	27 U	32 U	43 U	30 U
AROCLOR-1232	29 U	27 U	32 U	43 U	30 U
AROCLOR-1242	29 U	27 U	32 U	43 U	30 U
AROCLOR-1248	29 U	27 U	32 U	43 U	30 U
AROCLOR-1254	58 U	53 U	64 U	85 U	59 U
AROCLOR-1260	58 U	53 U	64 U	85 U	59 U
AZINPHOS-METHYL					
BETA-BHC	1.2 U	1.1 U	1.3 U	1.7 U	1.2 U
CHLORDANE	12 U	11 U	13 U	17 U	12 U
DALAPON; 2,2-DICHLOROPROPANOIC					
DELTA-BHC	1.2 U	1.1 U	1.3 U	1.7 U	1.2 U
DEMETON					
DIAZINON					
DICAMBA					
DICHLORPROP					
DIELDRIN	2.3 U	2.1 U	2.6 U	3.4 U	2.4 U
DINOSEB					
DISULFOTON					
ENDOSULFAN I	2.3 U	2.1 U	2.6 U	3.4 U	2.4 U
ENDOSULFAN II	2.3 U	2.1 U	2.6 U	3.4 U	2.4 U
ENDOSULFAN SULFATE	2.3 U	2.1 U	2.6 U	3.4 U	2.4 U
ENDRIN	2.3 U	2.1 U	2.6 U	3.4 U	2.4 U
ENDRIN ALDEHYDE	2.3 U	2.1 U	2.6 U	3.4 U	2.4 U
ENDRIN KETONE					
ETHION					
ETHYL PARATHION					
GAMMA-BHC (LINDANE)	1.2 U	1.1 U	1.3 U	1.7 U	1.2 U
GAMMA-CHLORDANE					
HEPTACHLOR	1.2 U	1.1 U	1.3 U	1.7 U	1.2 U
HEPTACHLOR EPOXIDE	1.2 U		1.3 U	1.7 U	1.2 U
MALATHION					
MCPA					
MCPP					
METHOXYCHLOR	5.8 U	5.3 U	6.4 U	8.5 U	5.9 U
METHYL PARATHION					
TOXAPHENE	58 U	53 U	64 U	85 U	59 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-154: SITE 23 PESTICIDES, PCBs, AND HERBICIDES IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-23	BOR-23	BOR-23	BOR-23	BOR-23
Sample Code	BOR-23 [1.0-1.5]	BOR-23 [3.5-4.0]	BOR-23 [9.0-9.5]	BOR-23 [11.5-12.0]	BOR-23 [15.0-15.5]
Sampling Date	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990
Sampling Depth (feet bgs)	1 - 1.5	3.5 - 4	9 - 9.5	11.5 - 12	15 - 15.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
2,4,5-T					
2,4,5-TP (SILVEX)					
2,4-D					
2,4-DB					
4,4'-DDD	16 U	94 U	20 U	20 U	20 U
4,4'-DDE	16 U	94 U	20 U	20 U	20 U
4,4'-DDT	16 U	94 U	20 U	20 U	20 U
ALDRIN	8 U	47 U	10 U	10 U	10 U
ALPHA-BHC	8 U	47 U	10 U	10 U	10 U
ALPHA-CHLORDANE	82 U	470 U	98 U	98 U	98 U
AROCLOR-1016	82 U	470 U	98 U	98 U	98 U
AROCLOR-1221	82 U	470 U	98 U	98 U	98 U
AROCLOR-1232	82 U	470 U	98 U	98 U	98 U
AROCLOR-1242	82 U	470 U	98 U	98 U	98 U
AROCLOR-1248	82 U	470 U	98 U	98 U	98 U
AROCLOR-1254	160 U	940 U	200 U	200 U	200 U
AROCLOR-1260	160 U	940 U	200 U	200 U	200 U
AZINPHOS-METHYL					
BETA-BHC	8 U	47 U	10 U	10 U	10 U
CHLORDANE					
DALAPON; 2,2-DICHLOROPROPANOIC					
DELTA-BHC	8 U	47 U	10 U	10 U	10 U
DEMETON					
DIAZINON					
DICAMBA					
DICHLORPROP					
DIELDRIN	16 U	94 U	20 U	20 U	20 U
DINOSEB					
DISULFOTON					
ENDOSULFAN I	8 U	47 U	10 U	10 U	10 U
ENDOSULFAN II	16 U	94 U	20 U	20 U	20 U
ENDOSULFAN SULFATE	16 U	94 U	20 U	20 U	20 U
ENDRIN	16 U	94 U	20 U	20 U	20 U
ENDRIN ALDEHYDE					
ENDRIN KETONE	16 U	94 U	20 U	20 U	20 U
ETHION					
ETHYL PARATHION					
GAMMA-BHC (LINDANE)	8 U	47 U	10 U	10 U	10 U
GAMMA-CHLORDANE	82 U	470 U	98 U	98 U	98 U
HEPTACHLOR	8 U	47 U	10 U	10 U	10 U
HEPTACHLOR EPOXIDE	8 U	47 U	10 U	10 U	10 U
MALATHION					
MCPA					
MCPP					
METHOXYCHLOR	82 U	470 U	98 U	98 U	98 U
METHYL PARATHION					
TOXAPHENE	160 U	940 U	200 U	200 U	200 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-154: SITE 23 PESTICIDES, PCBs, AND HERBICIDES IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-25	BOR-25	BOR-25	BOR-25	BOR-25
Sample Code	BOR-25 [0.5-1.0]	BOR-25 [3.5-4.0]	BOR-25 [7.0-7.5]	BOR-25 [11.5-12.0]	BOR-25 [14.5-15.0]
Sampling Date	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990
Sampling Depth (feet bgs)	.5 - 1	3.5 - 4	7 - 7.5	11.5 - 12	14.5 - 15
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
2,4,5-T					
2,4,5-TP (SILVEX)					
2,4-D					
2,4-DB					
4,4'-DDD	16 U	17 U	17 U	20 U	20 U
4,4'-DDE	16 U	17 U	17 U	20 U	20 U
4,4'-DDT	16 U	17 U	17 U	20 U	20 U
ALDRIN	8 U	8 U	8 U	10 U	10 U
ALPHA-BHC	8 U	8 U	8 U	10 U	10 U
ALPHA-CHLORDANE	82 U	83 U	84 U	98 U	100 U
AROCLOR-1016	82 U	83 U	84 U	98 U	100 U
AROCLOR-1221	82 U	83 U	84 U	98 U	100 U
AROCLOR-1232	82 U	83 U	84 U	98 U	100 U
AROCLOR-1242	82 U	83 U	84 U	98 U	100 U
AROCLOR-1248	82 U	83 U	84 U	98 U	100 U
AROCLOR-1254	160 U	170 U	170 U	200 U	200 U
AROCLOR-1260	160 U	170 U	170 U	200 U	200 U
AZINPHOS-METHYL					
BETA-BHC	8 U	8 U	8 U	10 U	10 U
CHLORDANE					
DALAPON; 2,2-DICHLOROPROPANOIC					
DELTA-BHC	8 U	8 U	8 U	10 U	10 U
DEMETON					
DIAZINON					
DICAMBA					
DICHLORPROP					
DIELDRIN	16 U	17 U	17 U	20 U	20 U
DINOSEB					
DISULFOTON					
ENDOSULFAN I	8 U	8 U	8 U	10 U	10 U
ENDOSULFAN II	16 U	17 U	17 U	20 U	20 U
ENDOSULFAN SULFATE	16 U	17 U	17 U	20 U	20 U
ENDRIN	16 U	17 U	17 U	20 U	20 U
ENDRIN ALDEHYDE					
ENDRIN KETONE	16 U	17 U	17 U	20 U	20 U
ETHION					
ETHYL PARATHION					
GAMMA-BHC (LINDANE)	8 U	8 U	8 U	10 U	10 U
GAMMA-CHLORDANE	82 U	83 U	84 U	98 U	100 U
HEPTACHLOR	8 U	8 U	8 U	10 U	10 U
HEPTACHLOR EPOXIDE	8 U	8 U	8 U	10 U	10 U
MALATHION					
MCPA					
MCPP					
METHOXYCHLOR	82 U	83 U	84 U	98 U	100 U
METHYL PARATHION					
TOXAPHENE	160 U	170 U	170 U	200 U	200 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-154: SITE 23 PESTICIDES, PCBs, AND HERBICIDES IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-26	BOR-26	BOR-26	BOR-26	BOR-26
Sample Code	BOR-26 [1.0-1.5]	BOR-26 [2.5-3.0]	BOR-26 [6.0-6.5]	BOR-26 [10.5-11.0]	BOR-26 [13.5-14.0]
Sampling Date	7/24/1990	7/24/1990	7/24/1990	7/24/1990	7/24/1990
Sampling Depth (feet bgs)	1 - 1.5	2.5 - 3	6 - 6.5	10.5 - 11	13.5 - 14
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
2,4,5-T					
2,4,5-TP (SILVEX)					
2,4-D					
2,4-DB					
4,4'-DDD	2.1 U	11 U	2.4 U	24 U	14
4,4'-DDE	2.1 U	11 U	2.4 U	24 U	6.5
4,4'-DDT	2.1 U	11 U	2.4 U	24 U	72
ALDRIN	1.1 U	5.6 U	1.2 U	12 U	1.2 U
ALPHA-BHC	1.1 U	5.6 U	1.2 U	12 U	1.2 U
ALPHA-CHLORDANE					
AROCLOR-1016	27 U	140 U	30 U	300 U	31 U
AROCLOR-1221	27 U	140 U	30 U	300 U	31 U
AROCLOR-1232	27 U	140 U	30 U	300 U	31 U
AROCLOR-1242	27 U	140 U	30 U	300 U	31 U
AROCLOR-1248	27 U	140 U	30 U	300 U	31 U
AROCLOR-1254	53 U	280 U	60 U	600 U	61 U
AROCLOR-1260	53 U	280 U	60 U	600 U	61 U
AZINPHOS-METHYL					
BETA-BHC	1.1 U	5.6 U	1.2 U	12 U	1.2 U
CHLORDANE	11 U	56 U	12 U	120 U	12 U
DALAPON; 2,2-DICHLOROPROPANOIC					
DELTA-BHC	1.1 U	5.6 U	1.2 U	12 U	1.2 U
DEMETON					
DIAZINON					
DICAMBA					
DICHLORPROP					
DIELDRIN	2.1 U	11 U	2.4 U	24 U	2.4 U
DINOSEB					
DISULFOTON					
ENDOSULFAN I	2.1 U	11 U	2.4 U	24 U	2.4 U
ENDOSULFAN II	2.1 U	11 U	2.4 U	24 U	2.4 U
ENDOSULFAN SULFATE	2.1 U	11 U	2.4 U	24 U	2.4 U
ENDRIN	2.1 U	11 U	2.4 U	24 U	2.4 U
ENDRIN ALDEHYDE	2.1 U	11 U	2.4 U	24 U	2.4 U
ENDRIN KETONE					
ETHION					
ETHYL PARATHION					
GAMMA-BHC (LINDANE)	1.1 U	5.6 U	1.2 U	12 U	1.2 U
GAMMA-CHLORDANE					
HEPTACHLOR	1.1 U	5.6 U	1.2 U	12 U	1.2 U
HEPTACHLOR EPOXIDE	1.1 U	5.6 U		12 U	1.2 U
MALATHION					
MCPA					
MCPP					
METHOXYCHLOR	5.3 U	28 U	6.1 U	60 U	6.1 U
METHYL PARATHION					
TOXAPHENE	53 U	280 U	1400	2500	400

Notes:

UG/KG Micrograms per kilogram

TABLE E-154: SITE 23 PESTICIDES, PCBs, AND HERBICIDES IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-27	BOR-27	BOR-27	BOR-27	BOR-27
Sample Code	BOR-27 [1.0-1.5]	BOR-27 [3.0-3.5]	BOR-27 [7.5-8.0]	BOR-27 [10.5-11.0]	BOR-27 [13.0-13.5]
Sampling Date	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990
Sampling Depth (feet bgs)	1 - 1.5	3 - 3.5	7.5 - 8	10.5 - 11	13 - 13.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
2,4,5-T					
2,4,5-TP (SILVEX)					
2,4-D					
2,4-DB					
4,4'-DDD	17 U	17 U	19 U	19 U	26 U
4,4'-DDE	17 U	17 U	19 U	19 U	26 U
4,4'-DDT	17 U	17 U	19 U	19 U	26 U
ALDRIN	8 U	8 U	10 U	10 U	13 U
ALPHA-BHC	8 U	8 U	10 U	10 U	13 U
ALPHA-CHLORDANE	83 U	83 U	96 U	95 U	130 U
AROCLOR-1016	83 U	83 U	96 U	95 U	130 U
AROCLOR-1221	83 U	83 U	96 U	95 U	130 U
AROCLOR-1232	83 U	83 U	96 U	95 U	130 U
AROCLOR-1242	83 U	83 U	96 U	95 U	130 U
AROCLOR-1248	83 U	83 U	96 U	95 U	130 U
AROCLOR-1254	170 U	170 U	190 U	190 U	260 U
AROCLOR-1260	170 U	170 U	190 U	190 U	260 U
AZINPHOS-METHYL					
BETA-BHC	8 U	8 U	10 U	10 U	13 U
CHLORDANE					
DALAPON; 2,2-DICHLOROPROPANOIC					
DELTA-BHC	8 U	8 U	10 U	10 U	13 U
DEMETON					
DIAZINON					
DICAMBA					
DICHLORPROP					
DIELDRIN	17 U	17 U	19 U	19 U	26 U
DINOSEB					
DISULFOTON					
ENDOSULFAN I	8 U	8 U	10 U	10 U	13 U
ENDOSULFAN II	17 U	17 U	19 U	19 U	26 U
ENDOSULFAN SULFATE	17 U	17 U	19 U	19 U	26 U
ENDRIN	17 U	17 U	19 U	19 U	26 U
ENDRIN ALDEHYDE					
ENDRIN KETONE	17 U	17 U	19 U	19 U	26 U
ETHION					
ETHYL PARATHION					
GAMMA-BHC (LINDANE)	8 U	8 U	10 U	10 U	13 U
GAMMA-CHLORDANE	83 U	83 U	96 U	95 U	130 U
HEPTACHLOR	8 U	8 U	10 U	10 U	13 U
HEPTACHLOR EPOXIDE	8 U	8 U	10 U	10 U	13 U
MALATHION					
MCPA					
MCPP					
METHOXYCHLOR	83 U	83 U	96 U	95 U	130 U
METHYL PARATHION					
TOXAPHENE	170 U	170 U	190 U	190 U	260 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-154: SITE 23 PESTICIDES, PCBs, AND HERBICIDES IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MWOR-5	MWOR-5	MWOR-5	MWOR-5
Sample Code	MWOR-5 [1.0-1.5]	MWOR-5 [10.5-11.0]	MWOR-5 [13.0-13.5]	MWOR-5 [15.0-15.5]
Sampling Date	7/19/1990	7/19/1990	7/19/1990	7/19/1990
Sampling Depth (feet bgs)	1 - 1.5	10.5 - 11	13 - 13.5	15 - 15.5
Units	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte				
2,4,5-T				
2,4,5-TP (SILVEX)				
2,4-D				
2,4-DB				
4,4'-DDD	79 U	9.1 U	8.8 U	8.7 U
4,4'-DDE	29 U	3.3 U	3.2 U	3.2 U
4,4'-DDT	85 U	9.8 U	9.5 U	9.4 U
ALDRIN	29 U	3.3 U	3.2 U	3.2 U
ALPHA-BHC	21 U	2.5 U	2.4 U	2.4 U
ALPHA-CHLORDANE	35 U	4 U	3.9 U	3.9 U
AROCLOR-1016	340 U	39 U	38 U	38 U
AROCLOR-1221	850 U	98 U	95 U	94 U
AROCLOR-1232	850 U	98 U	95 U	94 U
AROCLOR-1242	340 U	39 U	38 U	38 U
AROCLOR-1248	170 U	20 U	19 U	19 U
AROCLOR-1254	170 U	20 U	19 U	19 U
AROCLOR-1260	170 U	20 U	19 U	19 U
AZINPHOS-METHYL				
BETA-BHC	43 U	4.9 U	4.8 U	4.7 U
CHLORDANE				
DALAPON; 2,2-DICHLOROPROPANOIC				
DELTA-BHC	43 U	4.9 U	4.8 U	4.7 U
DEMETON				
DIAZINON				
DICAMBA				
DICHLORPROP				
DIELDRIN	14 U	1.6 U	1.6 U	1.5 U
DINOSEB				
DISULFOTON				
ENDOSULFAN I	43 U	4.9 U	4.8 U	4.7 U
ENDOSULFAN II	29 U	3.3 U	3.2 U	3.2 U
ENDOSULFAN SULFATE	85 U	9.8 U	9.5 U	9.4 U
ENDRIN	43 U	4.9 U	4.8 U	4.7 U
ENDRIN ALDEHYDE				
ENDRIN KETONE	85 U	9.8 U	9.5 U	9.4 U
ETHION				
ETHYL PARATHION				
GAMMA-BHC (LINDANE)	29 U	3.3 U	3.2 U	3.2 U
GAMMA-CHLORDANE	35 U	4 U	3.9 U	3.9 U
HEPTACHLOR	21 U	2.5 U	2.4 U	2.4 U
HEPTACHLOR EPOXIDE	43 U	4.9 U	4.8 U	4.7 U
MALATHION				
MCPA				
MCPP				
METHOXYCHLOR	170 U	20 U	19 U	19 U
METHYL PARATHION				
TOXAPHENE	710 U	82 U	80 U	79 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-154: SITE 23 PESTICIDES, PCBs, AND HERBICIDES IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MWOR-5	MWOR-5	MWOR-5	MWOR-5	S16-69
Sample Code	MWOR-5 [8.5-9.0]	MWOR-5 [10.5-11.0]	MWOR-5 [13.0-13.5]	MWOR-5 [15.0-15.5]	280-S16-015
Sampling Date	7/19/1990	7/19/1990	7/19/1990	7/19/1990	7/15/1994
Sampling Depth (feet bgs)	8.5 - 9	10.5 - 11	13 - 13.5	15 - 15.5	0 - 0
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	FO 1994
Analyte					
2,4,5-T					
2,4,5-TP (SILVEX)					
2,4-D					
2,4-DB					
4,4'-DDD	8.7 U	9.1 U	8.8 U	8.7 U	3.5 U
4,4'-DDE	3.2 U	3.3 U	3.2 U	3.2 U	3.5 U
4,4'-DDT	9.5 U	9.8 U	9.5 U	9.4 U	3.5 U
ALDRIN	3.2 U	3.3 U	3.2 U	3.2 U	1.8 U
ALPHA-BHC	2.4 U	2.5 U	2.4 U	2.4 U	1.8 U
ALPHA-CHLORDANE	3.9 U	4 U	3.9 U	3.9 U	1.8 U
AROCLOR-1016	38 U	39 U	38 U	38 U	35 U
AROCLOR-1221	95 U	98 U	95 U	94 U	71 U
AROCLOR-1232	95 U	98 U	95 U	94 U	35 U
AROCLOR-1242	38 U	39 U	38 U	38 U	35 U
AROCLOR-1248	19 U	20 U	19 U	19 U	35 U
AROCLOR-1254	19 U	20 U	19 U	19 U	35 U
AROCLOR-1260	19 U	20 U	19 U	19 U	35 U
AZINPHOS-METHYL					
BETA-BHC	4.7 U	4.9 U	4.8 U	4.7 U	1.8 U
CHLORDANE					
DALAPON; 2,2-DICHLOROPROPANOIC					
DELTA-BHC	4.7 U	4.9 U	4.8 U	4.7 U	1.8 U
DEMETON					
DIAZINON					
DICAMBA					
DICHLORPROP					
DIELDRIN	1.5 U	1.6 U	1.6 U	1.5 U	3.5 U
DINOSEB					
DISULFOTON					
ENDOSULFAN I	4.7 U	4.9 U	4.8 U	4.7 U	1.8 U
ENDOSULFAN II	3.2 U	3.3 U	3.2 U	3.2 U	3.5 U
ENDOSULFAN SULFATE	9.5 U	9.8 U	9.5 U	9.4 U	3.5 U
ENDRIN	4.7 U	4.9 U	4.8 U	4.7 U	3.5 U
ENDRIN ALDEHYDE					3.5 U
ENDRIN KETONE	9.5 U	9.8 U	9.5 U	9.4 U	3.5 U
ETHION					
ETHYL PARATHION					
GAMMA-BHC (LINDANE)	3.2 U	3.3 U	3.2 U	3.2 U	1.8 U
GAMMA-CHLORDANE	3.9 U	4 U	3.9 U	3.9 U	1.8 U
HEPTACHLOR	2.4 U	2.5 U	2.4 U	2.4 U	1.8 U
HEPTACHLOR EPOXIDE	4.7 U	4.9 U	4.8 U	4.7 U	1.8 U
MALATHION					
MCPA					
MCPP					
METHOXYCHLOR	19 U	20 U	19 U	19 U	18 U
METHYL PARATHION					
TOXAPHENE	79 U	82 U	80 U	79 U	180 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-154: SITE 23 PESTICIDES, PCBs, AND HERBICIDES IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	S16-70	S16-71
Sample Code	280-S16-016	280-S16-017
Sampling Date	7/15/1994	7/14/1994
Sampling Depth (feet bgs)	0 - 0	0 - 0
Units	UG/KG	UG/KG
Investigation	FO 1994	FO 1994
Analyte		
2,4,5-T		
2,4,5-TP (SILVEX)		
2,4-D		
2,4-DB		
4,4'-DDD	4.2 U	3.4 U
4,4'-DDE	4.2 U	3.4 U
4,4'-DDT	5.4 J	3.4 U
ALDRIN	2.2 U	1.8 U
ALPHA-BHC	2.2 U	1.8 U
ALPHA-CHLORDANE	2.2 U	1.8 U
AROCLOR-1016	42 U	34 U
AROCLOR-1221	85 U	70 U
AROCLOR-1232	42 U	34 U
AROCLOR-1242	42 U	34 U
AROCLOR-1248	42 U	34 U
AROCLOR-1254	42 U	34 U
AROCLOR-1260	38 J	34 U
AZINPHOS-METHYL		
BETA-BHC	2.2 U	1.8 U
CHLORDANE		
DALAPON; 2,2-DICHLOROPROPANOIC		
DELTA-BHC	2.2 U	1.8 U
DEMETON		
DIAZINON		
DICAMBA		
DICHLORPROP		
DIELDRIN	4.2 U	3.4 U
DINOSEB		
DISULFOTON		
ENDOSULFAN I	2.2 U	1.8 U
ENDOSULFAN II	4.2 U	3.4 U
ENDOSULFAN SULFATE	4.2 U	3.4 U
ENDRIN	4.2 U	3.4 U
ENDRIN ALDEHYDE	4.2 U	3.4 U
ENDRIN KETONE	4.2 U	3.4 U
ETHION		
ETHYL PARATHION		
GAMMA-BHC (LINDANE)	2.2 U	1.8 U
GAMMA-CHLORDANE	2.2 U	1.8 U
HEPTACHLOR	2.2 U	1.8 U
HEPTACHLOR EPOXIDE	2.2 U	1.8 U
MALATHION		
MCPA		
MCPP		
METHOXYCHLOR	22 U	18 U
METHYL PARATHION		
TOXAPHENE	220 U	180 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	B10B-04	B10B-04	B10B-04	B10B-06	B10B-06	B10B-06	B10B-07	B10B-07
Sample Code	280-S10B-001	280-S10B-002	280-S10B-003	280-S10B-008	280-S10B-009	280-S10B-010	280-S10B-011	280-S10B-012
Sampling Date	8/19/1994	8/19/1994	8/19/1994	8/19/1994	8/19/1994	8/19/1994	8/19/1994	8/19/1994
Sampling Depth (feet bgs)	.5 - 1.5	2 - 3	5 - 6	.5 - 1.5	2.5 - 3.5	5 - 6	.5 - 1.5	2.5 - 3.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte								
1,2,4-TRICHLOROBENZENE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
1,2-DICHLOROBENZENE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
1,2-DIPHENYLHYDRAZINE								
1,3-DICHLOROBENZENE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
1,4-DICHLOROBENZENE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
2,2'-OXYBIS(1-CHLOROPROPANE)	350 U	350 U	390 U	350 UJ	390 U	6000 UJ	350 U	350 U
2,4,5-TRICHLOROPHENOL	840 U	850 U	950 U	850 U	950 U	14000 U	840 U	840 U
2,4,6-TRICHLOROPHENOL	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
2,4-DICHLOROPHENOL	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
2,4-DIMETHYLPHENOL	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
2,4-DINITROPHENOL	840 U	850 U	950 U	850 UJ	950 U	14000 U	840 U	840 U
2,4-DINITROTOLUENE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
2,6-DINITROTOLUENE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
2-CHLORONAPHTHALENE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
2-CHLOROPHENOL	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
2-METHYLNAPHTHALENE	350 U	350 U	390 U	350 U	390 U	9400	350 U	350 U
2-METHYLPHENOL	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
2-NITROANILINE	840 U	850 U	950 U	850 UJ	950 U	14000 U	840 U	840 U
2-NITROPHENOL	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
3,3'-DICHLOROBENZIDINE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
3-NITROANILINE	840 U	850 U	950 U	850 U	950 U	14000 U	840 U	840 U
4,6-DINITRO-2-METHYLPHENOL	840 U	850 U	950 U	850 UJ	950 U	14000 U	840 U	840 U
4-BROMOPHENYL-PHENYLETHER	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
4-CHLORO-3-METHYLPHENOL	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
4-CHLOROANILINE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
4-CHLOROPHENYL-PHENYLETHER	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
4-METHYLPHENOL	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
4-NITROANILINE	840 U	850 U	950 U	850 U	950 U	14000 U	840 U	840 U
4-NITROPHENOL	840 U	850 U	950 U	850 U	950 U	14000 U	840 U	840 U
ANILINE								
AZOBENZENE								
BENZIDINE								
BENZOIC ACID								
BENZYL ALCOHOL								

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	B10B-04	B10B-04	B10B-04	B10B-06	B10B-06	B10B-06	B10B-07	B10B-07
Sample Code	280-S10B-001	280-S10B-002	280-S10B-003	280-S10B-008	280-S10B-009	280-S10B-010	280-S10B-011	280-S10B-012
Sampling Date	8/19/1994	8/19/1994	8/19/1994	8/19/1994	8/19/1994	8/19/1994	8/19/1994	8/19/1994
Sampling Depth (feet bgs)	.5 - 1.5	2 - 3	5 - 6	.5 - 1.5	2.5 - 3.5	5 - 6	.5 - 1.5	2.5 - 3.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte								
BIS(2-CHLOROETHOXY)METHANE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
BIS(2-CHLOROETHYL)ETHER	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
BIS(2-ETHYLHEXYL)PHTHALATE	350 UJ	350 UJ	390 UJ	350 UJ	390 U	6000 UJ	350 UJ	350 UJ
BUTYLBENZYLPHTHALATE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
CARBAZOLE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
DIBENZOFURAN	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
DIETHYLPHTHALATE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
DIMETHYLPHTHALATE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
DI-N-BUTYLPHTHALATE	350 UJ	350 UJ	390 UJ	350 UJ	390 UJ	6000 UJ	350 UJ	350 UJ
DI-N-OCTYLPHTHALATE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
HEXACHLOROBENZENE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
HEXACHLOROBUTADIENE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
HEXACHLOROCYCLOPENTADIENE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
HEXACHLOROETHANE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
ISOPHORONE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
NITROBENZENE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
N-NITROSODIMETHYLAMINE								
N-NITROSO-DI-N-PROPYLAMINE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
N-NITROSODIPHENYLAMINE	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U
PENTACHLOROPHENOL	840 U	850 U	950 U	850 U	950 U	14000 U	840 U	840 U
PHENOL	350 U	350 U	390 U	350 U	390 U	6000 U	350 U	350 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	B10B-07	M10B-01	M10B-01	M10B-01	S16-69	S16-70	S16-71	B410-6
Sample Code	280-S10B-013	280-S10B-134	280-S10B-135	280-S10B-136	280-S16-015	280-S16-016	280-S16-017	B410-6 [0.5-1.0]
Sampling Date	8/19/1994	11/5/1994	11/5/1994	11/5/1994	7/15/1994	7/15/1994	7/14/1994	7/8/1990
Sampling Depth (feet bgs)	5 - 6	1 - 2	2 - 3	3 - 4	0 - 0	0 - 0	0 - 0	.5 - 1
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	PH 1&2A 1991
Analyte								
1,2,4-TRICHLOROBENZENE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
1,2-DICHLOROBENZENE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
1,2-DIPHENYLHYDRAZINE								690 U
1,3-DICHLOROBENZENE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
1,4-DICHLOROBENZENE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
2,2'-OXYBIS(1-CHLOROPROPANE)	380 UJ	340 U	350 U	350 U	350 U	420 U	340 U	
2,4,5-TRICHLOROPHENOL	920 U	830 U	850 U	850 U	840 U	1000 U	830 U	3300 U
2,4,6-TRICHLOROPHENOL	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
2,4-DICHLOROPHENOL	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
2,4-DIMETHYLPHENOL	380 U	340 U	350 U	350 U	350 U	52 J	340 U	690 U
2,4-DINITROPHENOL	920 UJ	830 UJ	850 UJ	850 UJ	840 U	1000 U	830 U	3300 U
2,4-DINITROTOLUENE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
2,6-DINITROTOLUENE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
2-CHLORONAPHTHALENE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
2-CHLOROPHENOL	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
2-METHYLNAPHTHALENE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
2-METHYLPHENOL	380 U	340 U	350 U	350 U	350 U	21 J	340 U	690 U
2-NITROANILINE	920 UJ	830 U	850 U	850 U	840 U	1000 U	830 U	3300 U
2-NITROPHENOL	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
3,3'-DICHLOROBENZIDINE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	1400 U
3-NITROANILINE	920 U	830 U	850 U	850 U	840 U	1000 U	830 U	3300 U
4,6-DINITRO-2-METHYLPHENOL	920 UJ	830 UJ	850 UJ	850 UJ	840 U	1000 U	830 U	3300 U
4-BROMOPHENYL-PHENYLETHER	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
4-CHLORO-3-METHYLPHENOL	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
4-CHLOROANILINE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
4-CHLOROPHENYL-PHENYLETHER	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
4-METHYLPHENOL	380 U	340 U	350 U	350 U	350 U	48 J	340 U	690 U
4-NITROANILINE	920 U	830 U	850 U	850 U	840 U	1000 U	830 U	3300 U
4-NITROPHENOL	920 U	830 U	850 U	850 U	840 U	1000 U	830 U	3300 U
ANILINE								
AZOBENZENE								
BENZIDINE								
BENZOIC ACID								3300 U
BENZYL ALCOHOL								690 U

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	B10B-07	M10B-01	M10B-01	M10B-01	S16-69	S16-70	S16-71	B410-6
Sample Code	280-S10B-013	280-S10B-134	280-S10B-135	280-S10B-136	280-S16-015	280-S16-016	280-S16-017	B410-6 [0.5-1.0]
Sampling Date	8/19/1994	11/5/1994	11/5/1994	11/5/1994	7/15/1994	7/15/1994	7/14/1994	7/8/1990
Sampling Depth (feet bgs)	5 - 6	1 - 2	2 - 3	3 - 4	0 - 0	0 - 0	0 - 0	.5 - 1
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	PH 1&2A 1991
Analyte								
BIS(2-CHLOROETHOXY)METHANE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
BIS(2-CHLOROETHYL)ETHER	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
BIS(2-ETHYLHEXYL)PHTHALATE	380 UJ	340 UJ	350 UJ	350 UJ	350 U	420 UJ	340 U	690 UJ
BUTYLBENZYLPHTHALATE	380 U	340 UJ	350 UJ	350 UJ	350 U	420 U	340 U	690 U
CARBAZOLE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	
DIBENZOFURAN	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
DIETHYLPHTHALATE	380 U	340 U	350 U	350 UJ	350 UJ	420 U	340 U	690 U
DIMETHYLPHTHALATE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
DI-N-BUTYLPHTHALATE	380 UJ	340 UJ	350 UJ	350 UJ	350 UJ	420 UJ	340 UJ	690 U
DI-N-OCTYLPHTHALATE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
HEXACHLOROBENZENE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
HEXACHLOROBUTADIENE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
HEXACHLOROCYCLOPENTADIENE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
HEXACHLOROETHANE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
ISOPHORONE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
NITROBENZENE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
N-NITROSODIMETHYLAMINE								
N-NITROSO-DI-N-PROPYLAMINE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	690 U
N-NITROSODIPHENYLAMINE	380 U	340 U	350 U	350 U	350 U	420 U	340 U	85 JB
PENTACHLOROPHENOL	920 U	830 U	850 U	850 U	840 UJ	1000 UJ	830 UJ	3300 U
PHENOL	380 U	340 U	350 U	350 U	350 U	420 UJ	340 U	690 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	B410-6	B410-6	B410-6	B410-6	B410-6	B410-6	BOR-12
Sample Code	B410-6 [2.0-2.5]	B410-6 [5.5-6.0]	B410-6 [8.5-9.0]	B410-6 [11.0-11.5]	B410-6 [11.5-12.0]	B410-6 [13.0-13.5]	BOR-12 [0.5-1.0]
Sampling Date	7/8/1990	7/8/1990	7/8/1990	7/8/1990	7/8/1990	7/8/1990	7/18/1990
Sampling Depth (feet bgs)	2 - 2.5	5.5 - 6	8.5 - 9	11 - 11.5	11.5 - 12	13 - 13.5	.5 - 1
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
1,2,4-TRICHLOROBENZENE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
1,2-DICHLOROBENZENE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
1,2-DIPHENYLHYDRAZINE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
1,3-DICHLOROBENZENE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
1,4-DICHLOROBENZENE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
2,2'-OXYBIS(1-CHLOROPROPANE)							
2,4,5-TRICHLOROPHENOL	1600 U	1900 U	2000 U	2000 U	5200 U	4100 U	3300 U
2,4,6-TRICHLOROPHENOL	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
2,4-DICHLOROPHENOL	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
2,4-DIMETHYLPHENOL	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
2,4-DINITROPHENOL	1600 U	1900 U	2000 U	2000 U	5200 U	4100 U	3300 U
2,4-DINITROTOLUENE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
2,6-DINITROTOLUENE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
2-CHLORONAPHTHALENE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
2-CHLOROPHENOL	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
2-METHYLNAPHTHALENE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
2-METHYLPHENOL	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
2-NITROANILINE	1600 U	1900 U	2000 U	2000 U	5200 U	4100 U	3300 U
2-NITROPHENOL	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
3,3'-DICHLOROBENZIDINE	680 U	780 U	810 U	820 U	2200 U	1700 U	1400 U
3-NITROANILINE	1600 U	1900 U	2000 U	2000 U	5200 U	4100 U	3300 U
4,6-DINITRO-2-METHYLPHENOL	1600 U	1900 U	2000 U	2000 U	5200 U	4100 U	3300 U
4-BROMOPHENYL-PHENYLETHER	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
4-CHLORO-3-METHYLPHENOL	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
4-CHLOROANILINE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
4-CHLOROPHENYL-PHENYLETHER	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
4-METHYLPHENOL	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
4-NITROANILINE	1600 U	1900 U	2000 U	2000 U	5200 U	4100 U	3300 U
4-NITROPHENOL	1600 U	1900 U	2000 U	2000 U	5200 U	4100 U	3300 U
ANILINE							680 U
AZOBENZENE							
BENZIDINE							
BENZOIC ACID	1600 U	1900 U	2000 U	2000 U	5200 U	4100 U	3300 U
BENZYL ALCOHOL	340 U	390 U	400 U	410 U	1100 U	840 U	680 U

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	B410-6	B410-6	B410-6	B410-6	B410-6	B410-6	BOR-12
Sample Code	B410-6 [2.0-2.5]	B410-6 [5.5-6.0]	B410-6 [8.5-9.0]	B410-6 [11.0-11.5]	B410-6 [11.5-12.0]	B410-6 [13.0-13.5]	BOR-12 [0.5-1.0]
Sampling Date	7/8/1990	7/8/1990	7/8/1990	7/8/1990	7/8/1990	7/8/1990	7/18/1990
Sampling Depth (feet bgs)	2 - 2.5	5.5 - 6	8.5 - 9	11 - 11.5	11.5 - 12	13 - 13.5	.5 - 1
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
BIS(2-CHLOROETHOXY)METHANE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
BIS(2-CHLOROETHYL)ETHER	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
BIS(2-ETHYLHEXYL)PHTHALATE	340 UJ	390 UJ	400 UJ	410 UJ	1100 UJ	840 UJ	680 U
BUTYLBENZYLPHTHALATE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
CARBAZOLE							
DIBENZOFURAN	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
DIETHYLPHTHALATE	340 UJ	390 U	400 U	410 U	1100 U	840 U	680 U
DIMETHYLPHTHALATE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
DI-N-BUTYLPHTHALATE	340 U	390 UJ	400 U	410 UJ	1100 U	840 U	680 UJ
DI-N-OCTYLPHTHALATE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
HEXACHLOROBENZENE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
HEXACHLOROBUTADIENE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
HEXACHLOROCYCLOPENTADIENE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
HEXACHLOROETHANE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
ISOPHORONE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
NITROBENZENE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
N-NITROSODIMETHYLAMINE							680 U
N-NITROSO-DI-N-PROPYLAMINE	340 U	390 U	400 U	410 U	1100 U	840 U	680 U
N-NITROSODIPHENYLAMINE	340 U	69 JB	65 JB	410 U	1100 U	130 JB	220 JB
PENTACHLOROPHENOL	1600 U	1900 U	2000 U	2000 U	930 J	4100 U	3300 U
PHENOL	340 U	390 U	400 U	410 U	1100 U	840 U	680 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-12	BOR-12	BOR-12	BOR-12	BOR-20	BOR-20	BOR-20
Sample Code	BOR-12 [3.5-4.0]	BOR-12 [8.5-9.0]	BOR-12 [11.0-11.5]	BOR-12 [14.0-14.5]	BOR-20 [2.5-3.0]	BOR-20 [3.0-3.5]	BOR-20 [6.0-6.5]
Sampling Date	7/18/1990	7/18/1990	7/18/1990	7/18/1990	7/17/1990	7/17/1990	7/17/1990
Sampling Depth (feet bgs)	3.5 - 4	8.5 - 9	11 - 11.5	14 - 14.5	2.5 - 3	3 - 3.5	6 - 6.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
1,2,4-TRICHLOROBENZENE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
1,2-DICHLOROBENZENE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
1,2-DIPHENYLHYDRAZINE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
1,3-DICHLOROBENZENE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
1,4-DICHLOROBENZENE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
2,2'-OXYBIS(1-CHLOROPROPANE)							
2,4,5-TRICHLOROPHENOL	1700 U	1900 U	5700 U	1900 U	1600 U	1700 U	1900 U
2,4,6-TRICHLOROPHENOL	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
2,4-DICHLOROPHENOL	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
2,4-DIMETHYLPHENOL	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
2,4-DINITROPHENOL	1700 U	1900 U	5700 U	1900 U	1600 U	1700 U	1900 U
2,4-DINITROTOLUENE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
2,6-DINITROTOLUENE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
2-CHLORONAPHTHALENE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
2-CHLOROPHENOL	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
2-METHYLNAPHTHALENE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
2-METHYLPHENOL	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
2-NITROANILINE	1700 U	1900 U	5700 U	1900 U	1600 U	1700 U	1900 U
2-NITROPHENOL	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
3,3'-DICHLOROBENZIDINE	690 U	790 U	2400 U	800 U	670 U	690 U	800 U
3-NITROANILINE	1700 U	1900 U	5700 U	1900 U	1600 U	1700 U	1900 U
4,6-DINITRO-2-METHYLPHENOL	1700 U	1900 U	5700 U	1900 U	1600 U	1700 U	1900 U
4-BROMOPHENYL-PHENYLETHER	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
4-CHLORO-3-METHYLPHENOL	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
4-CHLOROANILINE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
4-CHLOROPHENYL-PHENYLETHER	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
4-METHYLPHENOL	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
4-NITROANILINE	1700 U	1900 U	5700 U	1900 U	1600 U	1700 U	1900 U
4-NITROPHENOL	1700 U	1900 U	5700 U	1900 U	1600 U	1700 U	1900 U
ANILINE	350 U	400 U	1200 U	400 U			
AZOBENZENE							
BENZIDINE							
BENZOIC ACID	1700 U	1900 U	5700 U	1900 U	1600 U	1700 U	1900 U
BENZYL ALCOHOL	350 U	400 U	1200 U	400 U	340 U	340 U	400 U

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-12	BOR-12	BOR-12	BOR-12	BOR-20	BOR-20	BOR-20
Sample Code	BOR-12 [3.5-4.0]	BOR-12 [8.5-9.0]	BOR-12 [11.0-11.5]	BOR-12 [14.0-14.5]	BOR-20 [2.5-3.0]	BOR-20 [3.0-3.5]	BOR-20 [6.0-6.5]
Sampling Date	7/18/1990	7/18/1990	7/18/1990	7/18/1990	7/17/1990	7/17/1990	7/17/1990
Sampling Depth (feet bgs)	3.5 - 4	8.5 - 9	11 - 11.5	14 - 14.5	2.5 - 3	3 - 3.5	6 - 6.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
BIS(2-CHLOROETHOXY)METHANE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
BIS(2-CHLOROETHYL)ETHER	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	350 UJ	400 UJ	1200 UJ	400 UJ	340 UJ	340 UJ	400 UJ
BUTYLBENZYLPHTHALATE	350 U	400 U	1200 U	400 UJ	340 U	340 U	400 U
CARBAZOLE							
DIBENZOFURAN	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
DIETHYLPHTHALATE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
DIMETHYLPHTHALATE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
DI-N-BUTYLPHTHALATE	350 UJ	400 UJ	1200 UJ	400 UJ	340 U	340 U	400 U
DI-N-OCTYLPHTHALATE	350 UJ	400 U	1200 U	400 U	340 U	340 U	400 U
HEXACHLOROBENZENE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
HEXACHLOROBUTADIENE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
HEXACHLOROCYCLOPENTADIENE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
HEXACHLOROETHANE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
ISOPHORONE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
NITROBENZENE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
N-NITROSODIMETHYLAMINE	350 U	400 U	1200 U	400 U			
N-NITROSO-DI-N-PROPYLAMINE	350 U	400 U	1200 U	400 U	340 U	340 U	400 U
N-NITROSODIPHENYLAMINE	65 JB	70 JB	220 JB	87 JB	340 U	340 U	400 U
PENTACHLOROPHENOL	1700 U	1900 U	5700 U	1900 U	1600 U	1700 U	1900 U
PHENOL	350 U	400 U	1200 U	400 U	340 U	340 U	400 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-20	BOR-20	BOR-22	BOR-22	BOR-22	BOR-22	BOR-22
Sample Code	BOR-20 [10.0-10.5]	BOR-20 [11.5-12.0]	BOR-22 [0.5-1.0]	BOR-22 [2.5-3.0]	BOR-22 [7.5-8.0]	BOR-22 [11.0-11.5]	BOR-22 [14.0-14.5]
Sampling Date	7/17/1990	7/17/1990	7/23/1990	7/23/1990	7/23/1990	7/23/1990	7/23/1990
Sampling Depth (feet bgs)	10 - 10.5	11.5 - 12	.5 - 1	2.5 - 3	7.5 - 8	11 - 11.5	14 - 14.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
1,2,4-TRICHLOROBENZENE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
1,2-DICHLOROBENZENE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
1,2-DIPHENYLHYDRAZINE	410 U	390 U		390 U	390 U	980 U	
1,3-DICHLOROBENZENE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
1,4-DICHLOROBENZENE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
2,2'-OXYBIS(1-CHLOROPROPANE)							
2,4,5-TRICHLOROPHENOL	2000 U	1900 U	3700 U	1900 U	1900 U	4700 U	2000 U
2,4,6-TRICHLOROPHENOL	410 U	390 U	760 U	390 U	390 U	980 U	400 U
2,4-DICHLOROPHENOL	410 U	390 U	760 U	390 U	390 U	980 U	400 U
2,4-DIMETHYLPHENOL	410 U	390 U	760 U	390 U	390 U	980 U	400 U
2,4-DINITROPHENOL	2000 U	1900 U	3700 U	1900 U	1900 U	4700 U	2000 U
2,4-DINITROTOLUENE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
2,6-DINITROTOLUENE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
2-CHLORONAPHTHALENE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
2-CHLOROPHENOL	410 U	390 U	760 U	390 U	390 U	980 U	400 U
2-METHYLNAPHTHALENE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
2-METHYLPHENOL	410 U	390 U	760 U	390 U	390 U	980 U	400 U
2-NITROANILINE	2000 U	1900 U	3700 U	1900 U	1900 U	4700 U	2000 U
2-NITROPHENOL	410 U	390 U	760 U	390 U	390 U	980 U	400 U
3,3'-DICHLOROBENZIDINE	820 U	790 U	1500 U	780 U	780 U	2000 U	800 U
3-NITROANILINE	2000 U	1900 U	3700 U	1900 U	1900 U	4700 U	2000 U
4,6-DINITRO-2-METHYLPHENOL	2000 U	1900 U	3700 U	1900 U	1900 U	4700 U	2000 U
4-BROMOPHENYL-PHENYLETHER	410 U	390 U	760 U	390 U	390 U	980 U	400 U
4-CHLORO-3-METHYLPHENOL	410 U	390 U	760 U	390 U	390 U	980 U	400 U
4-CHLOROANILINE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
4-CHLOROPHENYL-PHENYLETHER	410 U	390 U	760 U	390 U	390 U	980 U	400 U
4-METHYLPHENOL	410 U	390 U	760 U	390 U	390 U	980 U	400 U
4-NITROANILINE	2000 U	1900 U	3700 U	1900 U	1900 U	4700 U	2000 U
4-NITROPHENOL	2000 U	1900 U	3700 U	1900 U	1900 U	4700 U	2000 U
ANILINE							
AZOBENZENE							
BENZIDINE							
BENZOIC ACID	2000 U	1900 U	3700 U	1900 U	1900 U	4700 U	2000 U
BENZYL ALCOHOL	410 U	390 U	760 U	390 U	390 U	980 U	400 U

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-20	BOR-20	BOR-22	BOR-22	BOR-22	BOR-22	BOR-22
Sample Code	BOR-20 [10.0-10.5]	BOR-20 [11.5-12.0]	BOR-22 [0.5-1.0]	BOR-22 [2.5-3.0]	BOR-22 [7.5-8.0]	BOR-22 [11.0-11.5]	BOR-22 [14.0-14.5]
Sampling Date	7/17/1990	7/17/1990	7/23/1990	7/23/1990	7/23/1990	7/23/1990	7/23/1990
Sampling Depth (feet bgs)	10 - 10.5	11.5 - 12	.5 - 1	2.5 - 3	7.5 - 8	11 - 11.5	14 - 14.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
BIS(2-CHLOROETHOXY)METHANE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
BIS(2-CHLOROETHYL)ETHER	410 U	390 U	760 U	390 U	390 U	980 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	410 UJ	390 UJ	760 U	390 U	390 U	980 U	400 U
BUTYLBENZYLPHTHALATE	410 U	390 U	4400 UJ	390 U	390 U	980 U	400 U
CARBAZOLE							
DIBENZOFURAN	410 U	390 U	760 U	390 U	390 U	980 U	400 U
DIETHYLPHTHALATE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
DIMETHYLPHTHALATE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
DI-N-BUTYLPHTHALATE	410 U	390 U	940 UJ	980 UJ	1000 UJ	980 U	890 UJ
DI-N-OCTYLPHTHALATE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
HEXACHLOROBENZENE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
HEXACHLOROBUTADIENE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
HEXACHLOROCYCLOPENTADIENE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
HEXACHLOROETHANE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
ISOPHORONE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
NITROBENZENE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
N-NITROSODIMETHYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
N-NITROSODIPHENYLAMINE	410 U	390 U	760 U	390 U	390 U	980 U	400 U
PENTACHLOROPHENOL	2000 U	1900 U	3700 U	1900 U	1900 U	4700 U	2000 U
PHENOL	410 U	390 U	760 U	390 U	390 U	980 U	400 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-23	BOR-23	BOR-23	BOR-23	BOR-23	BOR-25	BOR-25
Sample Code	BOR-23 [1.0-1.5]	BOR-23 [3.0-3.5]	BOR-23 [8.5-9.0]	BOR-23 [11.0-11.5]	BOR-23 [14.5-15.0]	BOR-25 [0.5-1.0]	BOR-25 [2.5-3.0]
Sampling Date	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990
Sampling Depth (feet bgs)	1 - 1.5	3 - 3.5	8.5 - 9	11 - 11.5	14.5 - 15	.5 - 1	2.5 - 3
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
1,2,4-TRICHLOROBENZENE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
1,2-DICHLOROBENZENE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
1,2-DIPHENYLHYDRAZINE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
1,3-DICHLOROBENZENE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
1,4-DICHLOROBENZENE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
2,2'-OXYBIS(1-CHLOROPROPANE)							
2,4,5-TRICHLOROPHENOL	1600 U	1700 U	2000 U	3000 U	2000 U	1600 U	1700 U
2,4,6-TRICHLOROPHENOL	340 U	350 U	400 U	610 U	400 U	340 U	350 U
2,4-DICHLOROPHENOL	340 U	350 U	400 U	610 U	400 U	340 U	350 U
2,4-DIMETHYLPHENOL	340 U	350 U	400 U	610 U	400 U	340 U	350 U
2,4-DINITROPHENOL	1600 U	1700 U	2000 U	3000 U	2000 U	1600 U	1700 U
2,4-DINITROTOLUENE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
2,6-DINITROTOLUENE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
2-CHLORONAPHTHALENE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
2-CHLOROPHENOL	340 U	350 U	400 U	610 U	400 U	340 U	350 U
2-METHYLNAPHTHALENE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
2-METHYLPHENOL	340 U	350 U	400 U	610 U	400 U	340 U	350 U
2-NITROANILINE	1600 U	1700 U	2000 U	3000 U	2000 U	1600 U	1700 U
2-NITROPHENOL	340 U	350 U	400 U	610 U	400 U	340 U	350 U
3,3'-DICHLOROBENZIDINE	680 U	710 U	800 U	1200 U	800 U	680 U	700 U
3-NITROANILINE	1600 U	1700 U	2000 U	3000 U	2000 U	1600 U	1700 U
4,6-DINITRO-2-METHYLPHENOL	1600 U	1700 U	2000 U	3000 U	2000 U	1600 U	1700 U
4-BROMOPHENYL-PHENYLETHER	340 U	350 U	400 U	610 U	400 U	340 U	350 U
4-CHLORO-3-METHYLPHENOL	340 U	350 U	400 U	610 U	400 U	340 U	350 U
4-CHLOROANILINE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
4-CHLOROPHENYL-PHENYLETHER	340 U	350 U	400 U	610 U	400 U	340 U	350 U
4-METHYLPHENOL	340 U	350 U	400 U	610 U	400 U	340 U	350 U
4-NITROANILINE	1600 U	1700 U	2000 U	3000 U	2000 U	1600 U	1700 U
4-NITROPHENOL	1600 U	1700 U	2000 U	3000 U	2000 U	1600 U	1700 U
ANILINE							
AZOBENZENE							
BENZIDINE							
BENZOIC ACID	1600 U	1700 U	2000 U	3000 U	2000 U	1600 U	1700 U
BENZYL ALCOHOL	340 U	350 U	400 U	610 U	400 U	340 U	350 U

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-23	BOR-23	BOR-23	BOR-23	BOR-23	BOR-25	BOR-25
Sample Code	BOR-23 [1.0-1.5]	BOR-23 [3.0-3.5]	BOR-23 [8.5-9.0]	BOR-23 [11.0-11.5]	BOR-23 [14.5-15.0]	BOR-25 [0.5-1.0]	BOR-25 [2.5-3.0]
Sampling Date	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990
Sampling Depth (feet bgs)	1 - 1.5	3 - 3.5	8.5 - 9	11 - 11.5	14.5 - 15	.5 - 1	2.5 - 3
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
BIS(2-CHLOROETHOXY)METHANE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
BIS(2-CHLOROETHYL)ETHER	340 U	350 U	400 U	610 U	400 U	340 U	350 U
BIS(2-ETHYLHEXYL)PHTHALATE	340 U	350 UJ	400 UJ	610 UJ	400 U	340 U	350 UJ
BUTYLBENZYLPHTHALATE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
CARBAZOLE							
DIBENZOFURAN	340 U	350 U	400 U	610 U	400 U	340 U	350 U
DIETHYLPHTHALATE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
DIMETHYLPHTHALATE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
DI-N-BUTYLPHTHALATE	340 U	350 U	400 U	610 UJ	400 U	340 U	350 U
DI-N-OCTYLPHTHALATE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
HEXACHLOROBENZENE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
HEXACHLOROBUTADIENE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
HEXACHLOROCYCLOPENTADIENE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
HEXACHLOROETHANE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
ISOPHORONE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
NITROBENZENE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
N-NITROSODIMETHYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
N-NITROSODIPHENYLAMINE	340 U	350 U	400 U	610 U	400 U	340 U	350 U
PENTACHLOROPHENOL	1600 U	1700 U	2000 U	3000 U	2000 U	1600 U	1700 U
PHENOL	340 U	350 U	400 U	610 U	400 U	340 U	350 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-25	BOR-25	BOR-25	BOR-26	BOR-26	BOR-26	BOR-26
Sample Code	BOR-25 [6.5-7.0]	BOR-25 [11.0-11.5]	BOR-25 [14.0-14.5]	BOR-26 [1.0-1.5]	BOR-26 [5.5-6.0]	BOR-26 [10.0-10.5]	BOR-26 [13.0-13.5]
Sampling Date	7/20/1990	7/20/1990	7/20/1990	7/24/1990	7/24/1990	7/24/1990	7/24/1990
Sampling Depth (feet bgs)	6.5 - 7	11 - 11.5	14 - 14.5	1 - 1.5	5.5 - 6	10 - 10.5	13 - 13.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
1,2,4-TRICHLOROBENZENE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
1,2-DICHLOROBENZENE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
1,2-DIPHENYLHYDRAZINE	380 U	400 U	410 U		390 U	400 U	400 U
1,3-DICHLOROBENZENE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
1,4-DICHLOROBENZENE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
2,2'-OXYBIS(1-CHLOROPROPANE)							
2,4,5-TRICHLOROPHENOL	1900 U	2000 U	2000 U	1700 U	1900 U	1900 U	2000 U
2,4,6-TRICHLOROPHENOL	380 U	400 U	410 U	350 U	390 U	400 U	400 U
2,4-DICHLOROPHENOL	380 U	400 U	410 U	350 U	390 U	400 U	400 U
2,4-DIMETHYLPHENOL	380 U	400 U	410 U	350 U	390 U	400 U	400 U
2,4-DINITROPHENOL	1900 U	2000 U	2000 U	1700 U	1900 U	1900 U	2000 U
2,4-DINITROTOLUENE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
2,6-DINITROTOLUENE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
2-CHLORONAPHTHALENE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
2-CHLOROPHENOL	380 U	400 U	410 U	350 U	390 U	400 U	400 U
2-METHYLNAPHTHALENE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
2-METHYLPHENOL	380 U	400 U	410 U	350 U	390 U	400 U	400 U
2-NITROANILINE	1900 U	2000 U	2000 U	1700 U	1900 U	1900 U	2000 U
2-NITROPHENOL	380 U	400 U	410 U	350 U	390 U	400 U	400 U
3,3'-DICHLOROBENZIDINE	770 U	800 U	810 U	700 U	780 U	800 U	810 U
3-NITROANILINE	1900 U	2000 U	2000 U	1700 U	1900 U	1900 U	2000 U
4,6-DINITRO-2-METHYLPHENOL	1900 U	2000 U	2000 U	1700 U	1900 U	1900 U	2000 U
4-BROMOPHENYL-PHENYLETHER	380 U	400 U	410 U	350 U	390 U	400 U	400 U
4-CHLORO-3-METHYLPHENOL	380 U	400 U	410 U	350 U	390 U	400 U	400 U
4-CHLOROANILINE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
4-CHLOROPHENYL-PHENYLETHER	380 U	400 U	410 U	350 U	390 U	400 U	400 U
4-METHYLPHENOL	380 U	400 U	410 U	350 U	390 U	400 U	400 U
4-NITROANILINE	1900 U	2000 U	2000 U	1700 U	1900 U	1900 U	2000 U
4-NITROPHENOL	1900 U	2000 U	2000 U	1700 U	1900 U	1900 U	2000 U
ANILINE					390 U	400 U	400 U
AZOBENZENE							
BENZIDINE							
BENZOIC ACID	1900 U	2000 U	2000 U	1700 U	1900 U	1900 U	2000 U
BENZYL ALCOHOL	380 U	400 U	410 U	350 U	390 U	400 U	400 U

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-25	BOR-25	BOR-25	BOR-26	BOR-26	BOR-26	BOR-26
Sample Code	BOR-25 [6.5-7.0]	BOR-25 [11.0-11.5]	BOR-25 [14.0-14.5]	BOR-26 [1.0-1.5]	BOR-26 [5.5-6.0]	BOR-26 [10.0-10.5]	BOR-26 [13.0-13.5]
Sampling Date	7/20/1990	7/20/1990	7/20/1990	7/24/1990	7/24/1990	7/24/1990	7/24/1990
Sampling Depth (feet bgs)	6.5 - 7	11 - 11.5	14 - 14.5	1 - 1.5	5.5 - 6	10 - 10.5	13 - 13.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
BIS(2-CHLOROETHOXY)METHANE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
BIS(2-CHLOROETHYL)ETHER	380 U	400 U	410 U	350 U	390 U	400 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	380 UJ	400 UJ	410 U	350 U	390 U	400 U	400 UJ
BUTYLBENZYLPHTHALATE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
CARBAZOLE							
DIBENZOFURAN	380 U	400 U	410 U	350 U	390 U	400 U	400 U
DIETHYLPHTHALATE	380 U	400 U	410 U	350 U	390 UJ	400 U	400 U
DIMETHYLPHTHALATE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
DI-N-BUTYLPHTHALATE	380 U	400 U	410 U	350 U	390 UJ	400 UJ	510 UJ
DI-N-OCTYLPHTHALATE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
HEXACHLOROBENZENE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
HEXACHLOROBUTADIENE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
HEXACHLOROCYCLOPENTADIENE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
HEXACHLOROETHANE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
ISOPHORONE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
NITROBENZENE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
N-NITROSODIMETHYLAMINE					390 U	400 U	400 U
N-NITROSO-DI-N-PROPYLAMINE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
N-NITROSODIPHENYLAMINE	380 U	400 U	410 U	350 U	390 U	400 U	400 U
PENTACHLOROPHENOL	1900 U	2000 U	2000 U	1700 U	1900 U	1900 U	2000 U
PHENOL	380 U	400 U	410 U	350 U	390 U	400 U	400 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-27	BOR-27	BOR-27	BOR-27	BOR-27	MW410-4	MW410-4
Sample Code	BOR-27 [1.0-1.5]	BOR-27 [2.5-3.0]	BOR-27 [7.0-7.5]	BOR-27 [10.0-10.5]	BOR-27 [12.5-13.0]	MW410-4 [1.0-1.5]	MW410-4 [3.0-3.5]
Sampling Date	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/12/1990	7/16/1990
Sampling Depth (feet bgs)	1 - 1.5	2.5 - 3	7 - 7.5	10 - 10.5	12.5 - 13	1 - 1.5	3 - 3.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
1,2,4-TRICHLOROBENZENE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
1,2-DICHLOROBENZENE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
1,2-DIPHENYLHYDRAZINE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
1,3-DICHLOROBENZENE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
1,4-DICHLOROBENZENE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
2,2'-OXYBIS(1-CHLOROPROPANE)							
2,4,5-TRICHLOROPHENOL	1700 U	1700 U	1900 U	2000 U	3000 U	1600 U	1700 U
2,4,6-TRICHLOROPHENOL	340 U	360 U	390 U	400 U	610 U	340 U	340 U
2,4-DICHLOROPHENOL	340 U	360 U	390 U	400 U	610 U	340 U	340 U
2,4-DIMETHYLPHENOL	340 U	360 U	390 U	400 U	610 U	340 U	340 U
2,4-DINITROPHENOL	1700 U	1700 U	1900 U	2000 U	3000 U	1600 U	1700 U
2,4-DINITROTOLUENE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
2,6-DINITROTOLUENE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
2-CHLORONAPHTHALENE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
2-CHLOROPHENOL	340 U	360 U	390 U	400 U	610 U	340 U	340 U
2-METHYLNAPHTHALENE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
2-METHYLPHENOL	340 U	360 U	390 U	400 U	610 U	340 U	340 U
2-NITROANILINE	1700 U	1700 U	1900 U	2000 U	3000 U	1600 U	1700 U
2-NITROPHENOL	340 U	360 U	390 U	400 U	610 U	340 U	340 U
3,3'-DICHLOROBENZIDINE	690 U	720 U	790 U	800 U	1200 U	680 U	690 U
3-NITROANILINE	1700 U	1700 U	1900 U	2000 U	3000 U	1600 U	1700 U
4,6-DINITRO-2-METHYLPHENOL	1700 U	1700 U	1900 U	2000 U	3000 U	1600 U	1700 U
4-BROMOPHENYL-PHENYLETHER	340 U	360 U	390 U	400 U	610 U	340 U	340 U
4-CHLORO-3-METHYLPHENOL	340 U	360 U	390 U	400 U	610 U	340 U	340 U
4-CHLOROANILINE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
4-CHLOROPHENYL-PHENYLETHER	340 U	360 U	390 U	400 U	610 U	340 U	340 U
4-METHYLPHENOL	340 U	360 U	390 U	400 U	610 U	340 U	340 U
4-NITROANILINE	1700 U	1700 U	1900 U	2000 U	3000 U	1600 U	1700 U
4-NITROPHENOL	1700 U	1700 U	1900 U	2000 U	3000 U	1600 U	1700 U
ANILINE							
AZOBENZENE							
BENZIDINE							
BENZOIC ACID	1700 U	1700 U	1900 U	2000 U	3000 U	1600 U	1700 U
BENZYL ALCOHOL	340 U	360 U	390 U	400 U	610 U	340 U	340 U

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-27	BOR-27	BOR-27	BOR-27	BOR-27	MW410-4	MW410-4
Sample Code	BOR-27 [1.0-1.5]	BOR-27 [2.5-3.0]	BOR-27 [7.0-7.5]	BOR-27 [10.0-10.5]	BOR-27 [12.5-13.0]	MW410-4 [1.0-1.5]	MW410-4 [3.0-3.5]
Sampling Date	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/12/1990	7/16/1990
Sampling Depth (feet bgs)	1 - 1.5	2.5 - 3	7 - 7.5	10 - 10.5	12.5 - 13	1 - 1.5	3 - 3.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
BIS(2-CHLOROETHOXY)METHANE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
BIS(2-CHLOROETHYL)ETHER	340 U	360 U	390 U	400 U	610 U	340 U	340 U
BIS(2-ETHYLHEXYL)PHTHALATE	340 UJ	360 U	390 UJ	400 U	610 U	340 U	340 U
BUTYLBENZYLPHTHALATE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
CARBAZOLE							
DIBENZOFURAN	340 U	360 U	390 U	400 U	610 U	340 U	340 U
DIETHYLPHTHALATE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
DIMETHYLPHTHALATE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
DI-N-BUTYLPHTHALATE	340 UJ	360 U	390 UJ	400 U	610 U	340 U	340 U
DI-N-OCTYLPHTHALATE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
HEXACHLOROBENZENE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
HEXACHLOROBUTADIENE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
HEXACHLOROCYCLOPENTADIENE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
HEXACHLOROETHANE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
ISOPHORONE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
NITROBENZENE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
N-NITROSODIMETHYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
N-NITROSODIPHENYLAMINE	340 U	360 U	390 U	400 U	610 U	340 U	340 U
PENTACHLOROPHENOL	1700 U	1700 U	1900 U	2000 U	3000 U	1600 U	1700 U
PHENOL	340 U	360 U	390 U	400 U	610 U	340 U	340 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW410-4	MW410-4	MW410-4	MW410-4	MW530-1	MW530-1
Sample Code	MW410-4 [5.5-6.0]	MW410-4 [8.5-9.0]	MW410-4 [11.5-12.0]	MW410-4 [14.5-15.0]	MW530-1 [1.0-1.5]	MW530-1 [3.0-3.5]
Sampling Date	7/16/1990	7/16/1990	7/16/1990	7/16/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	5.5 - 6	8.5 - 9	11.5 - 12	14.5 - 15	1 - 1.5	3 - 3.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte						
1,2,4-TRICHLOROBENZENE	380 U	400 U	400 U	430 U	690 U	700 U
1,2-DICHLOROBENZENE	380 U	400 U	400 U	430 U	690 U	700 U
1,2-DIPHENYLHYDRAZINE	380 U	400 U	400 U	430 U		
1,3-DICHLOROBENZENE	380 U	400 U	400 U	430 U	690 U	700 U
1,4-DICHLOROBENZENE	380 U	400 U	400 U	430 U	690 U	700 U
2,2'-OXYBIS(1-CHLOROPROPANE)						
2,4,5-TRICHLOROPHENOL	1900 U	1900 U	2000 U	2100 U	3300 U	3400 U
2,4,6-TRICHLOROPHENOL	380 U	400 U	400 U	430 U	690 U	700 U
2,4-DICHLOROPHENOL	380 U	400 U	400 U	430 U	690 U	700 U
2,4-DIMETHYLPHENOL	380 U	400 U	400 U	430 U	690 U	700 U
2,4-DINITROPHENOL	1900 U	1900 U	2000 U	2100 U	3300 U	3400 U
2,4-DINITROTOLUENE	380 U	400 U	400 U	430 U	690 U	700 U
2,6-DINITROTOLUENE	380 U	400 U	400 U	430 U	690 U	700 U
2-CHLORONAPHTHALENE	380 U	400 U	400 U	430 U	690 U	700 U
2-CHLOROPHENOL	380 U	400 U	400 U	430 U	690 U	700 U
2-METHYLNAPHTHALENE	380 U	400 U	400 U	430 U	690 U	700 U
2-METHYLPHENOL	380 U	400 U	400 U	430 U	690 U	700 U
2-NITROANILINE	1900 U	1900 U	2000 U	2100 U	3300 U	3400 U
2-NITROPHENOL	380 U	400 U	400 U	430 U	690 U	700 U
3,3'-DICHLOROBENZIDINE	770 U	800 U	800 U	860 U	1400 U	1400 U
3-NITROANILINE	1900 U	1900 U	2000 U	2100 U	3300 U	3400 U
4,6-DINITRO-2-METHYLPHENOL	1900 U	1900 U	2000 U	2100 U	3300 U	3400 U
4-BROMOPHENYL-PHENYLETHER	380 U	400 U	400 U	430 U	690 U	700 U
4-CHLORO-3-METHYLPHENOL	380 U	400 U	400 U	430 U	690 U	700 U
4-CHLOROANILINE	380 U	400 U	400 U	430 U	690 U	700 U
4-CHLOROPHENYL-PHENYLETHER	380 U	400 U	400 U	430 U	690 U	700 U
4-METHYLPHENOL	380 U	400 U	400 U	430 U	690 U	700 U
4-NITROANILINE	1900 U	1900 U	2000 U	2100 U	3300 U	3400 U
4-NITROPHENOL	1900 U	1900 U	2000 U	2100 U	3300 U	3400 U
ANILINE						
AZOBENZENE						
BENZIDINE						
BENZOIC ACID	1900 U	1900 U	2000 U	2100 U	3300 U	3400 U
BENZYL ALCOHOL	380 U	400 U	400 U	430 U	690 U	700 U

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW410-4	MW410-4	MW410-4	MW410-4	MW530-1	MW530-1
Sample Code	MW410-4 [5.5-6.0]	MW410-4 [8.5-9.0]	MW410-4 [11.5-12.0]	MW410-4 [14.5-15.0]	MW530-1 [1.0-1.5]	MW530-1 [3.0-3.5]
Sampling Date	7/16/1990	7/16/1990	7/16/1990	7/16/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	5.5 - 6	8.5 - 9	11.5 - 12	14.5 - 15	1 - 1.5	3 - 3.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte						
BIS(2-CHLOROETHOXY)METHANE	380 U	400 U	400 U	430 U	690 U	700 U
BIS(2-CHLOROETHYL)ETHER	380 U	400 U	400 U	430 U	690 U	700 U
BIS(2-ETHYLHEXYL)PHTHALATE	380 U	400 U	400 UJ	430 UJ	690 U	700 U
BUTYLBENZYLPHTHALATE	380 U	400 U	400 U	430 U	690 U	700 U
CARBAZOLE						
DIBENZOFURAN	380 U	400 U	400 U	430 U	690 U	700 U
DIETHYLPHTHALATE	380 U	400 U	400 U	430 U	690 U	700 U
DIMETHYLPHTHALATE	380 U	400 U	400 U	430 U	690 U	700 U
DI-N-BUTYLPHTHALATE	380 U	400 U	400 U	430 U	1600 UJ	3800 UJ
DI-N-OCTYLPHTHALATE	380 U	400 U	400 U	430 U	690 U	700 U
HEXACHLOROBENZENE	380 U	400 U	400 U	430 U	690 U	700 U
HEXACHLOROBUTADIENE	380 U	400 U	400 U	430 U	690 U	700 U
HEXACHLOROCYCLOPENTADIENE	380 U	400 U	400 U	430 U	690 U	700 U
HEXACHLOROETHANE	380 U	400 U	400 U	430 U	690 U	700 U
ISOPHORONE	380 U	400 U	400 U	430 U	690 U	700 U
NITROBENZENE	380 U	400 U	400 U	430 U	690 U	700 U
N-NITROSODIMETHYLAMINE						
N-NITROSO-DI-N-PROPYLAMINE	380 U	400 U	400 U	430 U	690 U	700 U
N-NITROSODIPHENYLAMINE	380 U	400 U	400 U	430 U	690 U	700 U
PENTACHLOROPHENOL	1900 U	1900 U	2000 U	2100 U	3300 U	3400 U
PHENOL	380 U	400 U	400 U	430 U	690 U	700 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-1	MW530-1	MW530-1	MW530-1	MW530-1	MW530-2
Sample Code	MW530-1 [6.5-7.0]	MW530-1 [7.5-8.0]	MW530-1 [9.0-9.5]	MW530-1 [12.0-12.5]	MW530-1 [14.0-14.5]	MW530-2 [0.5-1.0]
Sampling Date	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	6.5 - 7	7.5 - 8	9 - 9.5	12 - 12.5	14 - 14.5	.5 - 1
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte						
1,2,4-TRICHLOROBENZENE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
1,2-DICHLOROBENZENE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
1,2-DIPHENYLHYDRAZINE						
1,3-DICHLOROBENZENE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
1,4-DICHLOROBENZENE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
2,2'-OXYBIS(1-CHLOROPROPANE)						
2,4,5-TRICHLOROPHENOL	19000 U	8500 U	41000 U	75000 U	4000 U	6800 U
2,4,6-TRICHLOROPHENOL	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
2,4-DICHLOROPHENOL	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
2,4-DIMETHYLPHENOL	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
2,4-DINITROPHENOL	19000 U	8500 U	41000 U	75000 U	4000 U	6800 U
2,4-DINITROTOLUENE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
2,6-DINITROTOLUENE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
2-CHLORONAPHTHALENE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
2-CHLOROPHENOL	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
2-METHYLNAPHTHALENE	3900 U	1800 U	8500 U	41000	820 U	1400 U
2-METHYLPHENOL	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
2-NITROANILINE	19000 U	8500 U	41000 U	75000 U	4000 U	6800 U
2-NITROPHENOL	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
3,3'-DICHLOROBENZIDINE	7800 U	3500 U	17000 U	31000 U	1600 U	2800 U
3-NITROANILINE	19000 U	8500 U	41000 U	75000 U	4000 U	6800 U
4,6-DINITRO-2-METHYLPHENOL	19000 U	8500 U	41000 U	75000 U	4000 U	6800 U
4-BROMOPHENYL-PHENYLETHER	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
4-CHLORO-3-METHYLPHENOL	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
4-CHLOROANILINE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
4-CHLOROPHENYL-PHENYLETHER	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
4-METHYLPHENOL	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
4-NITROANILINE	19000 U	8500 U	41000 U	75000 U	4000 U	6800 U
4-NITROPHENOL	19000 U	8500 U	41000 U	75000 U	4000 U	6800 U
ANILINE						
AZOBENZENE						
BENZIDINE						
BENZOIC ACID	19000 U	8500 U	41000 U	75000 U	4000 U	6800 U
BENZYL ALCOHOL	3900 U	1800 U	8500 U	16000 U	820 U	1400 U

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-1	MW530-1	MW530-1	MW530-1	MW530-1	MW530-2
Sample Code	MW530-1 [6.5-7.0]	MW530-1 [7.5-8.0]	MW530-1 [9.0-9.5]	MW530-1 [12.0-12.5]	MW530-1 [14.0-14.5]	MW530-2 [0.5-1.0]
Sampling Date	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	6.5 - 7	7.5 - 8	9 - 9.5	12 - 12.5	14 - 14.5	.5 - 1
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte						
BIS(2-CHLOROETHOXY)METHANE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
BIS(2-CHLOROETHYL)ETHER	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
BIS(2-ETHYLHEXYL)PHTHALATE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
BUTYLBENZYLPHTHALATE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
CARBAZOLE						
DIBENZOFURAN	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
DIETHYLPHTHALATE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
DIMETHYLPHTHALATE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
DI-N-BUTYLPHTHALATE	3900 U	4500 UJ	8500 U	16000 U	12000	1400 U
DI-N-OCTYLPHTHALATE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
HEXACHLOROBENZENE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
HEXACHLOROBUTADIENE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
HEXACHLOROCYCLOPENTADIENE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
HEXACHLOROETHANE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
ISOPHORONE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
NITROBENZENE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
N-NITROSODIMETHYLAMINE						
N-NITROSO-DI-N-PROPYLAMINE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
N-NITROSODIPHENYLAMINE	3900 U	1800 U	8500 U	16000 U	820 U	1400 U
PENTACHLOROPHENOL	19000 U	8500 U	41000 U	75000 U	4000 U	6800 U
PHENOL	3900 U	1800 U	8500 U	16000 U	820 U	1400 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-2	MW530-2	MW530-2	MW530-2	MW530-2	MW530-2
Sample Code	MW530-2 [2.5-3.0]	MW530-2 [5.5-6.0]	MW530-2R [6.0-6.5]	MW530-2 [8.5-9.0]	MW530-2 [11.5-12.0]	MW530-2 [14.5-15.0]
Sampling Date	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	2.5 - 3	5.5 - 6	6 - 6.5	8.5 - 9	11.5 - 12	14.5 - 15
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte						
1,2,4-TRICHLOROBENZENE	340 U	350 U	400 U	420 U	780 U	830 U
1,2-DICHLOROBENZENE	340 U	350 U	400 U	420 U	780 U	830 U
1,2-DIPHENYLHYDRAZINE						
1,3-DICHLOROBENZENE	340 U	350 U	400 U	420 U	780 U	830 U
1,4-DICHLOROBENZENE	340 U	350 U	400 U	420 U	780 U	830 U
2,2'-OXYBIS(1-CHLOROPROPANE)						
2,4,5-TRICHLOROPHENOL	1700 U	1700 U	2000 U	2000 U	3800 U	4000 U
2,4,6-TRICHLOROPHENOL	340 U	350 U	400 U	420 U	780 U	830 U
2,4-DICHLOROPHENOL	340 U	350 U	400 U	420 U	780 U	830 U
2,4-DIMETHYLPHENOL	340 U	350 U	400 U	420 U	780 U	830 U
2,4-DINITROPHENOL	1700 U	1700 U	2000 U	2000 U	3800 U	4000 U
2,4-DINITROTOLUENE	340 U	350 U	400 U	420 U	780 U	830 U
2,6-DINITROTOLUENE	340 U	350 U	400 U	420 U	780 U	830 U
2-CHLORONAPHTHALENE	340 U	350 U	400 U	420 U	780 U	830 U
2-CHLOROPHENOL	340 U	350 U	400 U	420 U	780 U	830 U
2-METHYLNAPHTHALENE	340 U	350 U	400 U	420 U	780 U	830 U
2-METHYLPHENOL	340 U	350 U	400 U	420 U	780 U	830 U
2-NITROANILINE	1700 U	1700 U	2000 U	2000 U	3800 U	4000 U
2-NITROPHENOL	340 U	350 U	400 U	420 U	780 U	830 U
3,3'-DICHLOROBENZIDINE	680 U	710 U	800 U	830 U	1600 U	1700 U
3-NITROANILINE	1700 U	1700 U	2000 U	2000 U	3800 U	4000 U
4,6-DINITRO-2-METHYLPHENOL	1700 U	1700 U	2000 U	2000 U	3800 U	4000 U
4-BROMOPHENYL-PHENYLETHER	340 U	350 U	400 U	420 U	780 U	830 U
4-CHLORO-3-METHYLPHENOL	340 U	350 U	400 U	420 U	780 U	830 U
4-CHLOROANILINE	340 U	350 U	400 U	420 U	780 U	830 U
4-CHLOROPHENYL-PHENYLETHER	340 U	350 U	400 U	420 U	780 U	830 U
4-METHYLPHENOL	340 U	350 U	400 U	420 U	780 U	830 U
4-NITROANILINE	1700 U	1700 U	2000 U	2000 U	3800 U	4000 U
4-NITROPHENOL	1700 U	1700 U	2000 U	2000 U	3800 U	4000 U
ANILINE						
AZOBENZENE						
BENZIDINE						
BENZOIC ACID	1700 U	1700 U	2000 U	2000 U	3800 U	4000 U
BENZYL ALCOHOL	340 U	350 U	400 U	420 U	780 U	830 U

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-2	MW530-2	MW530-2	MW530-2	MW530-2	MW530-2
Sample Code	MW530-2 [2.5-3.0]	MW530-2 [5.5-6.0]	MW530-2R [6.0-6.5]	MW530-2 [8.5-9.0]	MW530-2 [11.5-12.0]	MW530-2 [14.5-15.0]
Sampling Date	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	2.5 - 3	5.5 - 6	6 - 6.5	8.5 - 9	11.5 - 12	14.5 - 15
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte						
BIS(2-CHLOROETHOXY)METHANE	340 U	350 U	400 U	420 U	780 U	830 U
BIS(2-CHLOROETHYL)ETHER	340 U	350 U	400 U	420 U	780 U	830 U
BIS(2-ETHYLHEXYL)PHTHALATE	340 U	350 U	400 U	420 U	780 U	830 U
BUTYLBENZYLPHTHALATE	340 U	350 U	400 U	420 U	780 U	830 U
CARBAZOLE						
DIBENZOFURAN	340 U	350 U	400 U	420 U	780 U	830 U
DIETHYLPHTHALATE	340 U	350 U	400 U	420 U	780 U	830 U
DIMETHYLPHTHALATE	340 U	350 U	400 U	420 U	780 U	830 U
DI-N-BUTYLPHTHALATE	1000 UJ	610 UJ	400 UJ	600 UJ	4300 UJ	830 U
DI-N-OCTYLPHTHALATE	340 U	350 U	400 U	420 U	780 U	830 U
HEXACHLOROBENZENE	340 U	350 U	400 U	420 U	780 U	830 U
HEXACHLOROBUTADIENE	340 U	350 U	400 U	420 U	780 U	830 U
HEXACHLOROCYCLOPENTADIENE	340 U	350 U	400 U	420 U	780 U	830 U
HEXACHLOROETHANE	340 U	350 U	400 U	420 U	780 U	830 U
ISOPHORONE	340 U	350 U	400 U	420 U	780 U	830 U
NITROBENZENE	340 U	350 U	400 U	420 U	780 U	830 U
N-NITROSODIMETHYLAMINE						
N-NITROSO-DI-N-PROPYLAMINE	340 U	350 U	400 U	420 U	780 U	830 U
N-NITROSODIPHENYLAMINE	340 U	350 U	400 U	420 U	780 U	830 U
PENTACHLOROPHENOL	1700 U	1700 U	2000 U	2000 U	3800 U	4000 U
PHENOL	340 U	350 U	400 U	420 U	780 U	830 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-3	MW530-3	MW530-3	MW530-3	MW530-3	MW530-3
Sample Code	MW530-3 [0.5-1.0]	MW530-3 [2.5-3.0]	MW530-3 [5.0-5.5]	MW530-3 [8.0-8.5]	MW530-3R [8.5-9.0]	MW530-3 [10.5-11.0]
Sampling Date	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	.5 - 1	2.5 - 3	5 - 5.5	8 - 8.5	8.5 - 9	10.5 - 11
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte						
1,2,4-TRICHLOROBENZENE	7000 U	340 U	400 U	820 U	800 U	
1,2-DICHLOROBENZENE	7000 U	340 U	400 U	820 U	800 U	930 U
1,2-DIPHENYLHYDRAZINE						
1,3-DICHLOROBENZENE	7000 U	340 U	400 U	820 U	800 U	930 U
1,4-DICHLOROBENZENE	7000 U	340 U	400 U	820 U	800 U	930 U
2,2'-OXYBIS(1-CHLOROPROPANE)						
2,4,5-TRICHLOROPHENOL	34000 U	1700 U	1900 U	4000 U	3900 U	4500 U
2,4,6-TRICHLOROPHENOL	7000 U	340 U	400 U	820 U	800 U	930 U
2,4-DICHLOROPHENOL	7000 U	340 U	400 U	820 U	800 U	930 U
2,4-DIMETHYLPHENOL	7000 U	340 U	400 U	820 U	800 U	930 U
2,4-DINITROPHENOL	34000 U	1700 U	1900 U	4000 U	3900 U	4500 U
2,4-DINITROTOLUENE	7000 U	340 U	400 U	820 U	800 U	930 U
2,6-DINITROTOLUENE	7000 U	340 U	400 U	820 U	800 U	930 U
2-CHLORONAPHTHALENE	7000 U	340 U	400 U	820 U	800 U	930 U
2-CHLOROPHENOL	7000 U	340 U	400 U	820 U	800 U	930 U
2-METHYLNAPHTHALENE	7000 U	340 U	400 U	820 U	800 U	930 U
2-METHYLPHENOL	7000 U	340 U	400 U	820 U	800 U	930 U
2-NITROANILINE	34000 U	1700 U	1900 U	4000 U	3900 U	4500 U
2-NITROPHENOL	7000 U	340 U	400 U	820 U	800 U	930 U
3,3'-DICHLOROBENZIDINE	14000 U	690 U	800 U	1600 U	1600 U	1900 U
3-NITROANILINE	34000 U	1700 U	1900 U	4000 U	3900 U	4500 U
4,6-DINITRO-2-METHYLPHENOL	34000 U	1700 U	1900 U	4000 U	3900 U	4500 U
4-BROMOPHENYL-PHENYLETHER	7000 U	340 U	400 U	820 U	800 U	930 U
4-CHLORO-3-METHYLPHENOL	7000 U	340 U	400 U	820 U	800 U	930 U
4-CHLOROANILINE	7000 U	340 U	400 U	820 U	800 U	930 U
4-CHLOROPHENYL-PHENYLETHER	7000 U	340 U	400 U	820 U	800 U	930 U
4-METHYLPHENOL	7000 U	340 U	400 U	820 U	800 U	930 U
4-NITROANILINE	34000 U	1700 U	1900 U	4000 U	3900 U	4500 U
4-NITROPHENOL	34000 U	1700 U	1900 U	4000 U	3900 U	4500 U
ANILINE						
AZOBENZENE						
BENZIDINE						
BENZOIC ACID	34000 U	1700 U	1900 U	4000 U	3900 U	4500 U
BENZYL ALCOHOL	7000 U	340 U	400 U	820 U	800 U	930 U

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-3	MW530-3	MW530-3	MW530-3	MW530-3	MW530-3
Sample Code	MW530-3 [0.5-1.0]	MW530-3 [2.5-3.0]	MW530-3 [5.0-5.5]	MW530-3 [8.0-8.5]	MW530-3R [8.5-9.0]	MW530-3 [10.5-11.0]
Sampling Date	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	.5 - 1	2.5 - 3	5 - 5.5	8 - 8.5	8.5 - 9	10.5 - 11
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte						
BIS(2-CHLOROETHOXY)METHANE	7000 U	340 U	400 U	820 U	800 U	930 U
BIS(2-CHLOROETHYL)ETHER	7000 U	340 U	400 U	820 U	800 U	930 U
BIS(2-ETHYLHEXYL)PHTHALATE	7000 U	340 U	400 U	820 U	800 U	930 U
BUTYLBENZYLPHTHALATE	7000 U	340 U	400 U	820 U	800 U	930 U
CARBAZOLE						
DIBENZOFURAN	7000 U	340 U	400 U	820 U	800 U	930 U
DIETHYLPHTHALATE	7000 U	340 U	400 U	820 U	800 U	930 U
DIMETHYLPHTHALATE	7000 U	340 U	400 U	820 U	800 U	930 U
DI-N-BUTYLPHTHALATE	7000 U	700 UJ	560 UJ	920 UJ	1900 UJ	930 U
DI-N-OCTYLPHTHALATE	7000 U	340 U	400 U	820 U	800 U	930 U
HEXACHLOROBENZENE	7000 U	340 U	400 U	820 U	800 U	930 U
HEXACHLOROBUTADIENE	7000 U	340 U	400 U	820 U	800 U	930 U
HEXACHLOROCYCLOPENTADIENE	7000 U	340 U	400 U	820 U	800 U	930 U
HEXACHLOROETHANE	7000 U	340 U	400 U	820 U	800 U	930 U
ISOPHORONE	7000 U	340 U	400 U	820 U	800 U	930 U
NITROBENZENE	7000 U	340 U	400 U	820 U	800 U	930 U
N-NITROSODIMETHYLAMINE						
N-NITROSO-DI-N-PROPYLAMINE	7000 U	340 U	400 U	820 U	800 U	930 U
N-NITROSODIPHENYLAMINE	7000 U	340 U	400 U	820 U	800 U	930 U
PENTACHLOROPHENOL	34000 U	1700 U	1900 U	4000 U	3900 U	4500 U
PHENOL	7000 U	340 U	400 U	820 U	800 U	930 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-3	MWOR-5	MWOR-5	MWOR-5	MWOR-5	MWOR-5
Sample Code	MW530-3 [12.5-13.0]	MWOR-5 [1.0-1.5]	MWOR-5 [7.0-7.5]	MWOR-5 [10.0-10.5]	MWOR-5 [12.5-13.0]	MWOR-5 [14.5-15.0]
Sampling Date	7/13/1990	7/19/1990	7/18/1990	7/18/1990	7/18/1990	7/18/1990
Sampling Depth (feet bgs)	12.5 - 13	1 - 1.5	7 - 7.5	10 - 10.5	12.5 - 13	14.5 - 15
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte						
1,2,4-TRICHLOROBENZENE	870 U	350 U	390 U	390 U	400 U	400 U
1,2-DICHLOROBENZENE	870 U	350 U	390 U	390 U	400 U	400 U
1,2-DIPHENYLHYDRAZINE		350 U	390 U	390 U	400 U	400 U
1,3-DICHLOROBENZENE	870 U	350 U	390 U	390 U	400 U	400 U
1,4-DICHLOROBENZENE	870 U	350 U	390 U	390 U	400 U	400 U
2,2'-OXYBIS(1-CHLOROPROPANE)						
2,4,5-TRICHLOROPHENOL	4200 U	1700 U	1900 U	1900 U	1900 U	1900 U
2,4,6-TRICHLOROPHENOL	870 U	350 U	390 U	390 U	400 U	400 U
2,4-DICHLOROPHENOL	870 U	350 U	390 U	390 U	400 U	400 U
2,4-DIMETHYLPHENOL	870 U	350 U	390 U	390 U	400 U	400 U
2,4-DINITROPHENOL	4200 U	1700 U	1900 U	1900 U	1900 U	1900 U
2,4-DINITROTOLUENE	870 U	350 U	390 U	390 U	400 U	400 U
2,6-DINITROTOLUENE	870 U	350 U	390 U	390 U	400 U	400 U
2-CHLORONAPHTHALENE	870 U	350 U	390 U	390 U	400 U	400 U
2-CHLOROPHENOL	870 U	350 U	390 U	390 U	400 U	400 U
2-METHYLNAPHTHALENE	870 U	350 U	390 U	390 U	400 U	400 U
2-METHYLPHENOL	870 U	350 U	390 U	390 U	400 U	400 U
2-NITROANILINE	4200 U	1700 U	1900 U	1900 U	1900 U	1900 U
2-NITROPHENOL	870 U	350 U	390 U	390 U	400 U	400 U
3,3'-DICHLOROBENZIDINE	1700 U	700 U	780 U	790 U	800 U	800 U
3-NITROANILINE	4200 U	1700 U	1900 U	1900 U	1900 U	1900 U
4,6-DINITRO-2-METHYLPHENOL	4200 U	1700 U	1900 U	1900 U	1900 U	1900 U
4-BROMOPHENYL-PHENYLETHER	870 U	350 U	390 U	390 U	400 U	400 U
4-CHLORO-3-METHYLPHENOL	870 U	350 U	390 U	390 U	400 U	400 U
4-CHLOROANILINE	870 U	350 U	390 U	390 U	400 U	400 U
4-CHLOROPHENYL-PHENYLETHER	870 U	350 U	390 U	390 U	400 U	400 U
4-METHYLPHENOL	870 U	350 U	390 U	390 U	400 U	400 U
4-NITROANILINE	4200 U	1700 U	1900 U	1900 U	1900 U	1900 U
4-NITROPHENOL	4200 U	1700 U	1900 U	1900 U	1900 U	1900 U
ANILINE		350 U	390 U	390 U	400 U	400 U
AZOBENZENE						
BENZIDINE						
BENZOIC ACID	4200 U	1700 U	1900 U	1900 U	1900 U	1900 U
BENZYL ALCOHOL	870 U	350 U	390 U	390 U	400 U	400 U

TABLE E-155: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-3	MWOR-5	MWOR-5	MWOR-5	MWOR-5	MWOR-5
Sample Code	MW530-3 [12.5-13.0]	MWOR-5 [1.0-1.5]	MWOR-5 [7.0-7.5]	MWOR-5 [10.0-10.5]	MWOR-5 [12.5-13.0]	MWOR-5 [14.5-15.0]
Sampling Date	7/13/1990	7/19/1990	7/18/1990	7/18/1990	7/18/1990	7/18/1990
Sampling Depth (feet bgs)	12.5 - 13	1 - 1.5	7 - 7.5	10 - 10.5	12.5 - 13	14.5 - 15
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte						
BIS(2-CHLOROETHOXY)METHANE	870 U	350 U	390 U	390 U	400 U	400 U
BIS(2-CHLOROETHYL)ETHER	870 U	350 U	390 U	390 U	400 U	400 U
BIS(2-ETHYLHEXYL)PHTHALATE	870 U	350 U	390 UJ	390 UJ	400 U	400 UJ
BUTYLBENZYLPHTHALATE	870 U	350 U	390 U	390 U	400 U	400 U
CARBAZOLE						
DIBENZOFURAN	870 U	350 U	390 U	390 U	400 U	400 U
DIETHYLPHTHALATE	870 U	350 U	390 U	390 U	400 U	400 U
DIMETHYLPHTHALATE	870 U	350 U	390 U	390 U	400 U	400 U
DI-N-BUTYLPHTHALATE	5400 UJ	350 UJ	390 U	390 UJ	400 UJ	400 UJ
DI-N-OCTYLPHTHALATE	870 U	350 U	390 U	390 U	400 U	400 U
HEXACHLOROBENZENE	870 U	350 U	390 U	390 U	400 U	400 U
HEXACHLOROBUTADIENE	870 U	350 U	390 U	390 U	400 U	400 U
HEXACHLOROCYCLOPENTADIENE	870 U	350 U	390 U	390 U	400 U	400 U
HEXACHLOROETHANE	870 U	350 U	390 U	390 U	400 U	400 U
ISOPHORONE	870 U	350 U	390 U	390 U	400 U	400 U
NITROBENZENE	870 U	350 U	390 U	390 U	400 U	400 U
N-NITROSODIMETHYLAMINE		350 U	390 U	390 U	400 U	400 U
N-NITROSO-DI-N-PROPYLAMINE	870 U	350 U	390 U	390 U	400 U	400 U
N-NITROSODIPHENYLAMINE	870 U	46 JB	55 JB	50 JB	400 U	400 U
PENTACHLOROPHENOL	4200 U	1700 U	1900 U	1900 U	1900 U	1900 U
PHENOL	870 U	350 U	390 U	390 U	400 U	400 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B001	C3S023B001	C3S023B001	C3S023B001	C3S023B002	C3S023B002	C3S023B002	C3S023B002	C3S023B003
Sample Code	C0591103	C0591104	C0591105	C0591106	C0591107	C0591108	C0591109	C0591110	C0591111
Sampling Date	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003
Sampling Depth (feet bgs)	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	8.5	5.2 U	5.2 U	5.7 U	4.3 J	0.34 J	5.2 U	0.31 J	5.4 J
ACENAPHTHENE	5.2 U	5.2 U	5.2 U	5.7 U	5.3 U	5.2 U	5.2 U	5.9 U	13 U
ACENAPHTHYLENE	5.2 U	5.2 U	5.2 U	5.7 U	5.3 U	5.2 U	5.2 U	5.9 U	3.4 J
ANTHRACENE	0.62 J	5.2 U	5.2 U	5.7 U	5.3 U	5.2 U	5.2 U	5.9 U	2.4 J
BENZ(A)ANTHRACENE	3.9 J	5.2 U	5.2 U	5.7 U	1.5 J	5.2 U	5.2 U	0.47 J	13 U
BENZO(A)PYRENE	4.5 J	5.2 U	5.2 U	0.33 J	1.6 J	5.2 U	5.2 U	1 J	27
BENZO(B)FLUORANTHENE	17	5.2 U	5.2 U	5.7 U	9.6	5.2 U	5.2 U	1.2 J	47
BENZO(G,H,I)PERYLENE	28	3.8 J	5.2 U	5.7 U	12	0.41 J	5.2 U	1.9 J	160
BENZO(K)FLUORANTHENE	5.2 U	5.2 U	5.2 U	5.7 U	5.3 U	5.2 U	5.2 U	0.36 J	13 U
CHRYSENE	28	5.2 U	5.2 U	0.19 J	11	5.2 U	5.2 U	1.1 J	74
DIBENZ(A,H)ANTHRACENE	7.5	5.2 U	5.2 U	5.7 U	3.6 J	5.2 U	5.2 U	0.32 J	13 U
FLUORANTHENE	4.1 J	5.2 U	5.2 U	0.35 J	2.3 J	5.2 U	5.2 U	5.9 U	7.5 J
FLUORENE	3.5 J	5.2 U	5.2 U	5.7 U	2.4 J	0.29 J	5.2 U	5.9 U	2.2 J
INDENO(1,2,3-CD)PYRENE	4.8 J	5.2 U	5.2 U	0.28 J	2.3 J	5.2 U	5.2 U	1.1 J	13 U
NAPHTHALENE	4 J	5.2 U	5.2 U	0.69 J	3.1 J	5.2 U	5.2 U	5.9 U	3.9 J
PHENANTHRENE	46	0.78 J	0.36 J	5.7 UJ	26	1.8 J	5.2 U	1.2 J	6.9 J
PYRENE	14	0.64 J	5.2 U	0.49 J	8.4	5.2 U	5.2 U	1.4 J	16

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B003	C3S023B003	C3S023B003	C3S023B004	C3S023B004	C3S023B004	C3S023B004	C3S023B005	C3S023B005
Sample Code	C0591113	C0591114	C0591115	C0591116	C0591117	C0591118	C0591119	C0591120	C0591121
Sampling Date	8/6/2003	8/6/2003	8/6/2003	8/7/2003	8/7/2003	8/7/2003	8/7/2003	8/5/2003	8/5/2003
Sampling Depth (feet bgs)	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	MG/KG	MG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	5.2 U	5.2 U	0.25 J	4.6 J	0.27 J	5.2 U	5.7 U	0.1 U	0.005 U
ACENAPHTHENE	5.2 U	5.2 U	5.4 U	5.2 U	5.2 U	5.2 U	5.7 U	0.1 U	0.005 UJ
ACENAPHTHYLENE	0.34 J	5.2 U	5.4 U	0.57 J	5.2 U	5.2 U	5.7 U	0.1 U	0.005 U
ANTHRACENE	0.67 J	5.2 U	5.4 U	0.8 J	5.2 U	5.2 U	5.7 U	0.1 U	0.005 U
BENZ(A)ANTHRACENE	2 J	0.21 J	0.6 J	5.4	1.8 J	5.2 U	0.34 J	0.1 UJ	0.005 UJ
BENZO(A)PYRENE	3.9 J	0.4 J	1 J	64	4.9 J	5.2 U	0.94 J	0.1 U	0.005 U
BENZO(B)FLUORANTHENE	3.3 J	0.44 J	1.4 J	5.2 U	8	5.2 U	1.4 J	0.1 U	0.005 U
BENZO(G,H,I)PERYLENE	8.8	0.65 J	6.3	73	15	5.2 U	3.7 J	0.04 J	0.005 U
BENZO(K)FLUORANTHENE	2.3 J	0.21 J	0.59 J	56	1.9 J	5.2 U	5.7 U	0.1 UJ	0.005 U
CHRYSENE	3.7 J	0.33 J	2 J	95	21	5.2 U	3.3 J	0.1 UJ	0.005 U
DIBENZ(A,H)ANTHRACENE	1 J	5.2 U	0.76 J	25	4.7 J	5.2 U	1.5 J	0.1 U	0.005 U
FLUORANTHENE	5.4	0.56 J	1.1 J	8.6	2.2 J	0.38 J	0.64 J	0.1 U	0.005 U
FLUORENE	5.2 U	5.2 U	5.4 U	0.58 J	5.2 U	5.2 U	5.7 U	0.1 U	0.005 U
INDENO(1,2,3-CD)PYRENE	5.1 J	0.51 J	1.7 J	34	2.5 J	5.2 U	5.7 U	0.1 UJ	0.005 U
NAPHTHALENE	5.2 U	5.2 U	5.4 U	2.8 J	0.32 J	5.2 U	0.33 J	0.1 U	0.005 U
PHENANTHRENE	2.4 J	0.33 J	0.55 J	9.4	2.2 J	5.2 U	5.7 U	0.1 U	0.005 U
PYRENE	7.3	0.83 J	1.5 J	25	6.9	5.2 U	1 J	0.1 UJ	0.005 U

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B005	C3S023B005	C3S023B006	C3S023B006	C3S023B006	C3S023B006	C3S023B007	C3S023B007	C3S023B007
Sample Code	C0591123	C0591124	C0591125	C0591126	C0591127	C0591128	C0590551	C0590552	C0590553
Sampling Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/7/2003	8/7/2003	8/7/2003
Sampling Depth (feet bgs)	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	UG/KG	UG/KG	UG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.005 U	0.01 U	0.26 U	0.005 U	0.005 U	0.006 UJ	1 J	1.1 J	0.79 J
ACENAPHTHENE	0.005 UJ	0.01 UJ	0.26 UJ	0.005 U	0.005 U	0.006 UJ	0.29 J	5.4 U	0.24 J
ACENAPHTHYLENE	0.005 U	0.01 U	0.26 U	0.005 U	0.005 U	0.0025 J	3 J	1.1 J	0.78 J
ANTHRACENE	0.005 U	0.01 U	0.26 U	0.005 U	0.005 U	0.0014 J	4.1 J	1.3 J	1.2 J
BENZ(A)ANTHRACENE	0.005 UJ	0.0062 J	0.26 UJ	0.005 U	0.0041 J	0.0074 J	8.6	5.6	9.2
BENZO(A)PYRENE	0.005 U	0.01 U	0.26 U	0.005 U	0.0064	0.016 J	21	13	12
BENZO(B)FLUORANTHENE	0.005 U	0.01 U	0.26 U	0.005 U	0.0073	0.017 J	18	12	12
BENZO(G,H,I)PERYLENE	0.005 U	0.0044 J	0.091 J	0.0022 J	0.0089	0.022 J	43	33	20
BENZO(K)FLUORANTHENE	0.005 U	0.01 U	0.26 U	0.005 U	0.0022 J	0.005 J	15	7	8.2
CHRYSENE	0.005 U	0.01 U	0.26 U	0.005 U	0.0042 J	0.0066 J	15	8.6	11
DIBENZ(A,H)ANTHRACENE	0.005 U	0.01 U	0.26 U	0.005 U	0.005 U	0.002 J	4.9 J	3.1 J	1.9 J
FLUORANTHENE	0.005 U	0.01 U	0.26 U	0.005 U	0.0072	0.0088 J	10	10	16
FLUORENE	0.005 U	0.01 U	0.26 U	0.005 U	0.005 U	0.006 UJ	0.67 J	0.36 J	0.42 J
INDENO(1,2,3-CD)PYRENE	0.005 U	0.01 U	0.26 U	0.005 U	0.0056	0.013 J	30	20	14
NAPHTHALENE	0.005 U	0.01 U	0.26 U	0.005 U	0.005 U	0.0027 J	1.7 J	1.7 J	1.1 J
PHENANTHRENE	0.005 U	0.01 U	0.26 U	0.005 U	0.0019 J	0.006 UJ	7.7	6.2	6.4
PYRENE	0.005 U	0.01 U	0.26 U	0.005 U	0.013	0.038 J	16	16	20

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B007	C3S023B008	C3S023B008	C3S023B008	C3S023B008	C3S023B009	C3S023B009	C3S023B009	C3S023B009
Sample Code	C0590555	C0591134	C0591135	C0591136	C0591137	C0591138	C0591139	C0591140	C0591141
Sampling Date	8/7/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003
Sampling Depth (feet bgs)	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.45 J	130 U	52 U	3.5 J	4.5 J	1.4 J	5.2 U	5.2 U	5.8 U
ACENAPHTHENE	5.8 U	130 U	52 U	1.2 J	2.3 J	5.2 U	5.2 U	5.2 U	5.8 U
ACENAPHTHYLENE	1.2 J	130 UJ	52 UJ	8.3 J	11 J	0.21 J	5.2 U	5.2 U	5.8 U
ANTHRACENE	1.5 J	130 UJ	52 UJ	6.7 J	13 J	0.21 J	5.2 U	5.2 U	5.8 U
BENZ(A)ANTHRACENE	8.5	130 U	52 U	88	140	1.6 J	0.43 J	5.2 U	0.65 J
BENZO(A)PYRENE	16	130 U	52 U	230	290	3.2 J	0.9 J	5.2 U	1.6 J
BENZO(B)FLUORANTHENE	13	130 U	52 U	160	250	6.5	0.91 J	5.2 U	1.2 J
BENZO(G,H,I)PERYLENE	34	63 J	9.4 J	240	260	14	1.5 J	0.21 J	2.3 J
BENZO(K)FLUORANTHENE	9.8	130 U	52 U	180	220	1.9 J	0.59 J	5.2 U	0.92 J
CHRYSENE	12	9.7 J	4.5 J	110	160	5.3	0.51 J	5.2 U	0.7 J
DIBENZ(A,H)ANTHRACENE	3.1 J	8.6 J		23 J	32 J	1.4 J	0.24 J	5.2 U	5.8 U
FLUORANTHENE	17	130 U	52 U	270	250	3.8 J	5.2 U	5.2 U	1.1 J
FLUORENE	5.8 U	130 U	52 U	1.3 J	1.6 J	0.58 J	5.2 U	5.2 U	5.8 U
INDENO(1,2,3-CD)PYRENE	21	130 U	52 U	180	220	5.7	1.3 J	5.2 U	2 J
NAPHTHALENE	1.3 J	130 UJ	52 UJ	16 J	16 J	5.2 U	5.2 U	5.2 U	0.48 J
PHENANTHRENE	5.7 J			21 J	31 J	12	5.2 U	5.2 U	0.53 J
PYRENE	22	130 U	52 U	430 J	320 J	7.7	1.7 J	5.2 U	1.9 J

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B010	C3S023B010	C3S023B010	C3S023B010	C3S023B011	C3S023B011	C3S023B011	C3S023B011	C3S023B012
Sample Code	C0591143	C0591144	C0591145	C0591146	C0591147	C0591148	C0591149	C0591150	C0591151
Sampling Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003
Sampling Depth (feet bgs)	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.32 J	5.2 U	5.2 U	5.3 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U
ACENAPHTHENE	5.3 U	5.2 U	5.2 U	5.3 U	0.026 UJ	0.026 UJ	0.026 UJ	0.027 UJ	0.026 UJ
ACENAPHTHYLENE	0.32 J	5.2 U	5.2 U	5.3 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U
ANTHRACENE	0.31 J	5.2 U	5.2 U	5.3 U	0.026 U	0.0061 J	0.026 U	0.027 U	0.026 U
BENZ(A)ANTHRACENE	2 J	0.74 J	5.2 U	5.3 U	0.026 UJ	0.014 J	0.026 UJ	0.027 UJ	0.011 UJ
BENZO(A)PYRENE	8.7	1.2 J	5.2 U	0.74 J	0.026 U	0.0099 J	0.026 U	0.027 U	0.0084 J
BENZO(B)FLUORANTHENE	2.9 J	0.65 J	5.2 U	5.3 U	0.0075 J	0.013 J	0.026 U	0.027 U	0.012 J
BENZO(G,H,I)PERYLENE	52	2.6 J	0.23 J	4.9 J	0.0089 J	0.013 J	0.0086 J	0.01 J	0.016 J
BENZO(K)FLUORANTHENE	2 J	0.76 J	5.2 U	5.3 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U
CHRYSENE	3.5 J	0.79 J	5.2 U	0.36 J	0.026 U	0.01 J	0.026 U	0.027 U	0.026 U
DIBENZ(A,H)ANTHRACENE	5.3	5.2 U	5.2 U	5.3 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U
FLUORANTHENE	4.7 J	1.3 J	0.24 J	0.45 J	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U
FLUORENE	5.3 U	5.2 U	5.2 U	5.3 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U
INDENO(1,2,3-CD)PYRENE	5.3	1.4 J	5.2 U	5.3 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U
NAPHTHALENE	0.5 J	0.28 J	5.2 U	5.3 U	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U
PHENANTHRENE	1.9 J	0.69 J	5.2 U	0.3 J	0.026 U	0.026 U	0.026 U	0.027 U	0.026 U
PYRENE	6.8	1.7 J	0.27 J	0.61 J	0.0088 J	0.014 J	0.026 U	0.027 U	0.026 U

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B012	C3S023B012	C3S023B012	C3S023B013	C3S023B013	C3S023B013	C3S023B013	C3S023B014	C3S023B014
Sample Code	C0591153	C0591154	C0591155	C0591156	C0591157	C0591158	C0591159	C0591160	C0591161
Sampling Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/6/2003	8/6/2003
Sampling Depth (feet bgs)	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2
Units	MG/KG	MG/KG	MG/KG	UG/KG	UG/KG	UG/KG	UG/KG	MG/KG	MG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.05 U	0.0048 J	0.005 U	0.64 J	1.1 J	0.42 J	1 J	0.0012 J	0.1 U
ACENAPHTHENE	0.05 UJ	0.026 UJ	0.005 UJ	5.2 U	5.3 U	0.42 J	0.99 J	0.005 U	0.1 U
ACENAPHTHYLENE	0.05 U	0.026 U	0.005 U	1.4 J	1.3 J	1.1 J	4 J	0.005 U	0.1 U
ANTHRACENE	0.05 U	0.026 U	0.005 U	2.2 J	1.8 J	1.9 J	25	0.005 U	0.1 U
BENZ(A)ANTHRACENE	0.05 UJ	0.014 J	0.005 UJ	7.9	7.4	11	43	0.005 U	0.1 U
BENZO(A)PYRENE	0.05 U	0.011 J	0.005 U	13	15	21	38	0.005 U	0.1 U
BENZO(B)FLUORANTHENE	0.05 U	0.011 J	0.005 U	14	16	14	17	0.0054 J	0.1 UJ
BENZO(G,H,I)PERYLENE	0.05 U	0.012 J	0.005 U	21	37	15	12	0.0023 J	0.1 U
BENZO(K)FLUORANTHENE	0.05 U	0.026 U	0.005 U	13	8.3	14	26	0.005 U	0.1 U
CHRYSENE	0.05 U	0.026 U	0.005 U	14	27	15	53	0.005	0.1 U
DIBENZ(A,H)ANTHRACENE	0.05 U	0.026 U	0.005 U	3.3 J	7.7	1.7 J	4.2 J	0.005 U	0.1 U
FLUORANTHENE	0.05 U	0.013 J	0.005 U	14	17	24	59	0.005 U	0.1 U
FLUORENE	0.05 U	0.026 U	0.005 U	0.23 J	0.4 J	0.28 J	9.5	0.005 U	0.1 U
INDENO(1,2,3-CD)PYRENE	0.05 U	0.026 U	0.005 U	16	17	19	16	0.005 U	0.1 U
NAPHTHALENE	0.05 U	0.026 U	0.005 U	0.75 J	0.89 J	1.5 J	1.7 J	0.0012 J	0.1 U
PHENANTHRENE	0.05 U	0.026 U	0.005 U	4.5 J	7.2	7.9	69	0.013	0.1 U
PYRENE	0.05 U	0.018 J	0.005 U	19	21	38	89	0.0029 J	0.1 U

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B014	C3S023B014	C3S023B015	C3S023B015	C3S023B015	C3S023B015	C3S023B016	C3S023B016	C3S023B016
Sample Code	C0591163	C0591164	C0591165	C0591166	C0591167	C0591168	C0591169	C0591170	C0591171
Sampling Date	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003
Sampling Depth (feet bgs)	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4
Units	MG/KG	MG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.006 U	0.005 U	3.4 J	0.36 J	5.2 U	5.9 U	3.2 J	11	5.3 U
ACENAPHTHENE	0.006 U	0.005 U	5.3 U	5.2 U	5.2 U	5.9 U	5.2 U	72	5.3 U
ACENAPHTHYLENE	0.006 UJ	0.005 UJ	5.3 UJ	5.2 UJ	5.2 UJ	5.9 UJ	5.2 U	0.64 J	5.3 U
ANTHRACENE	0.006 U	0.005 U	5.3 UJ	5.2 UJ	5.2 UJ	5.9 UJ	5.2 U	430	0.81 J
BENZ(A)ANTHRACENE	0.0047 J	0.005 U	1.7 J	1.7 J	0.75 J	1.2 J	0.42 J	2100	5.1 J
BENZO(A)PYRENE	0.0088	0.0028 J	3.3 J	1.5 J	5.2 U	3 J	0.27 J	2000	5.4
BENZO(B)FLUORANTHENE	0.0092	0.0032 J	10 J	2.4 J	5.2 U	2.9 J	6.1	2000	5.1 J
BENZO(G,H,I)PERYLENE	0.015	0.0047 J	9.8 J	4.5 J	5.2 U	3.8 J	4.6 J	1300	4.1 J
BENZO(K)FLUORANTHENE	0.0034 J	0.009	5.3 UJ	0.96 J	5.2 U	1.9 J	5.2 U	1600	3.8 J
CHRYSENE	0.0047 J	0.0019 J	12	3.2 J	1.2 J	1.7 J	5.2	2300	5.9
DIBENZ(A,H)ANTHRACENE	0.006 U	0.005 U	3.1 J	0.78 J		0.34 J	1.1 J	390	0.86 J
FLUORANTHENE	0.0093	0.0043 J	1.2 J	1.1 J	0.34 J	2.3 J	1.3 J	3400	8.7
FLUORENE	0.006 U	0.005 U	1.3 J	5.2 U	5.2 U	5.9 U	2.2 J	59	5.3 U
INDENO(1,2,3-CD)PYRENE	0.0083	0.0032 J	5.3 UJ	1.7 J	5.2 U	2.9 J	0.94 J	1400	4.6 J
NAPHTHALENE	0.006 U	0.005 U	1.5 J	0.35 J	5.2 UJ	5.9 UJ	2.8 J	6.3	0.26 J
PHENANTHRENE	0.0024 J	0.002 J	12 J	2.9 J		0.66 J	22	1500	3.6 J
PYRENE	0.01	0.0044 J	6	2.3 J	5.2 U	5.3 J	5.1 J	2700	8.5

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B016	C3S023B017	C3S023B017	C3S023B017	C3S023B017	C3S023B018	C3S023B018	C3S023B018	C3S023B018
Sample Code	C0591173	C0591174	C0591175	C0591176	C0591177	C0591178	C0591179	C0591180	C0591181
Sampling Date	8/6/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003
Sampling Depth (feet bgs)	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	7.9	3.2 J	0.24 J	5.3 U	5.4 U	0.8 J	0.41 J	5.3 U	5.4 U
ACENAPHTHENE	52	0.37 J	5.3 U	5.3 U	5.4 U	5.3 U	7.2 U	5.3 U	5.4 U
ACENAPHTHYLENE	0.58 J	0.28 J	0.35 J	0.24 J	0.23 J	0.65 J	0.4 J	5.3 U	5.4 U
ANTHRACENE	360	5.3 U	0.42 J	0.28 J	0.27 J	1.3 J	0.66 J	5.3 U	5.4 U
BENZ(A)ANTHRACENE	1700	2.6 J	2 J	1.7 J	1.1 J	5 J	4 J	5.3 U	0.16 J
BENZO(A)PYRENE	1700	5 J	4.9 J	2.9 J	2.7 J	9.7	20	5.3 U	1.1 J
BENZO(B)FLUORANTHENE	1700	6.6	3.3 J	2.1 J	1.8 J	7.3	19	5.3 U	0.55 J
BENZO(G,H,I)PERYLENE	970	6.6	8.3	5.3 J	9.2	21	27	0.17 J	4.2 J
BENZO(K)FLUORANTHENE	1400	3.9 J	3.1 J	2.1 J	1.8 J	6.8	4.3 J	5.3 U	0.38 J
CHRYSENE	1900	6.1	3 J	2.3 J	1.8 J	9.3	30	5.3 U	1.4 J
DIBENZ(A,H)ANTHRACENE	350	0.88 J	0.54 J	0.5 J	0.55 J	1.6 J	5.9 J	5.3 U	0.23 J
FLUORANTHENE	2900	3.2 J	3.2 J	2.9 J	1.4 J	8.7	9.1	5.3 U	0.59 J
FLUORENE	42	0.94 J	5.3 U	5.3 U	5.4 U	0.29 J	7.2 U	5.3 U	5.4 U
INDENO(1,2,3-CD)PYRENE	1300	4.6 J	4.9 J	3 J	3.2 J	11	11	5.3 U	0.66 J
NAPHTHALENE	4.1 J	2.9 J	0.41 J	0.3 J	0.23 J	0.85 J	0.53 J	5.3 U	0.34 J
PHENANTHRENE	1300	19	1 J	1.2 J	0.59 J	6.3	5.3 J	0.19 J	0.48 J
PYRENE	2400	7.6	5.3 J	4.1 J	2.2 J	11	14	0.24 J	0.78 J

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B019	C3S023B019	C3S023B019	C3S023B019	C3S023B020	C3S023B020	C3S023B020	C3S023B020	C3S023B021
Sample Code	C0591183	C0591184	C0591185	C0591186	C0591187	C0591188	C0591189	C0591190	C0591191
Sampling Date	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003
Sampling Depth (feet bgs)	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	UG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.0013 J	0.005 U	0.0011 J	0.005 U	0.1 U	0.005 U	0.005 U	0.006 U	4.8 J
ACENAPHTHENE	0.005 U	0.005 U	0.005 U	0.005 U	0.1 U	0.005 U	0.005 U	0.006 U	5.2 U
ACENAPHTHYLENE	0.005 U	0.005 U	0.005 U	0.005 U	0.1 UJ	0.005 UJ	0.005 UJ	0.006 UJ	5.2 U
ANTHRACENE	0.005 U	0.005 U	0.005 U	0.005 U	0.1 U	0.005 U	0.005 U	0.006 U	5.2 U
BENZ(A)ANTHRACENE	0.005 U	0.005 U	0.005 U	0.0022 J	0.1 U	0.005 U	0.005 U	0.006 U	0.86 J
BENZO(A)PYRENE	0.005 U	0.005 U	0.005 U	0.005 U	0.1 U	0.005 U	0.005 U	0.006 U	1 J
BENZO(B)FLUORANTHENE	0.0027 J	0.005 UJ	0.005 UJ	0.005 UJ	0.1 U	0.005 U	0.005 U	0.006 U	6.9
BENZO(G,H,I)PERYLENE	0.005 U	0.005 U	0.005 U	0.005 U	0.1 U	0.005 U	0.005 U	0.006 U	7.3
BENZO(K)FLUORANTHENE	0.005 U	0.005 U	0.005 U	0.005 U	0.1 U	0.005 U	0.005 U	0.006 U	5.2 U
CHRYSENE	0.0029 J	0.005 U	0.005 U	0.005 U	0.1 UJ	0.005 UJ	0.005 UJ	0.006 UJ	6.8
DIBENZ(A,H)ANTHRACENE	0.005 U	0.005 U	0.005 U	0.005 U	0.1 U	0.005 U	0.005 U	0.006 U	1.5 J
FLUORANTHENE	0.005 U	0.005 U	0.005 U	0.0026 J	0.1 U	0.005 U	0.005 U	0.006 U	1.7 J
FLUORENE	0.005 U	0.005 U	0.005 U	0.005 U	0.1 U	0.005 U	0.005 U	0.006 U	3.4 J
INDENO(1,2,3-CD)PYRENE	0.005 U	0.005 U	0.005 U	0.005 U	0.1 U	0.005 U	0.005 U	0.006 U	1.5 J
NAPHTHALENE	0.005 U	0.005 U	0.005 U	0.005 U	0.1 U	0.005 U	0.005 U	0.006 U	2.6 J
PHENANTHRENE	0.0058	0.005 U	0.005 U	0.0021 J	0.1 U	0.005 U	0.005 U	0.006 U	20
PYRENE	0.0018 J	0.005 U	0.005 U	0.005 U	0.1 U	0.005 U	0.005 U	0.006 U	5.8

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B021	C3S023B021	C3S023B021	C3S023B022	C3S023B022	C3S023B022	C3S023B022	C3S023B023	C3S023B023
Sample Code	C0591193	C0591194	C0591195	C0591196	C0591197	C0591198	C0591199	C0591200	C0591201
Sampling Date	8/6/2003	8/6/2003	8/6/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003
Sampling Depth (feet bgs)	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.3 J	5.3 U	0.3 J	0.65 J	0.27 J	5.3 U	5.5 U	0.84 J	1.5 J
ACENAPHTHENE	0.28 J	5.3 U	5.5 U	5.2 U	5.3 U	5.3 U	5.5 U	5.1 U	5.2 U
ACENAPHTHYLENE	0.25 J	5.3 U	5.5 U	0.72 J	0.27 J	5.3 U	5.5 U	5.1 U	5.2 U
ANTHRACENE	0.99 J	5.3 U	5.5 U	0.86 J	0.37 J	5.3 U	5.5 U	5.1 U	1 J
BENZ(A)ANTHRACENE	0.24 J	5.3 U	5.5 U	4.8 J	1.9 J	5.3 U	1.3 J	4.4 J	16 J
BENZO(A)PYRENE	0.45 J	5.3 U	0.23 J	12	3.7 J	5.3 U	2.4 J	14 J	28 J
BENZO(B)FLUORANTHENE	0.41 J	5.3 U	0.4 J	6.7	2.3 J	5.3 U	1.7 J	3.4 J	17 J
BENZO(G,H,I)PERYLENE	0.68 J	0.16 J	0.64 J	33	8.6	5.3 U	2.4 J	16 J	15 J
BENZO(K)FLUORANTHENE	0.3 J	5.3 U	5.5 U	5.4	1.9 J	5.3 U	1.8 J	1.4 J	10 J
CHRYSENE	0.34 J	5.3 U	0.29 J	7.3	2.3 J	5.3 U	1.5 J	5.4 J	15 J
DIBENZ(A,H)ANTHRACENE	5.2 U	5.3 U	5.5 U	4 J	0.66 J	5.3 U	0.32 J	3.1 J	15 J
FLUORANTHENE	1.1 J	5.3 U	0.24 J	8.2	3.5 J	5.3 U	2.5 J	1.5 J	8.6
FLUORENE	0.55 J	5.3 U	5.5 U	0.33 J	0.18 J	5.3 U	5.5 U	5.1 U	5.2 U
INDENO(1,2,3-CD)PYRENE	0.42 J	5.3 U	0.3 J	9.3	3.4 J	5.3 U	2.7 J	3.5 J	12 J
NAPHTHALENE	0.35 J	0.24 J	0.41 J	1.6 J	0.46 J	5.3 U	0.37 J	0.38 J	0.88 J
PHENANTHRENE	1.3 J	0.24 J	0.85 J	3.8 J	1.6 J	0.2 J	1.1 J	4.1 J	9.2
PYRENE	1.3 J	5.3 U	0.62 J	12	4.8 J	0.19 J	3.5 J	2.4 J	11

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B023	C3S023B023	C3S023B024	C3S023B024	C3S023B024	C3S023B024	C3S023B025	C3S023B025	C3S023B025
Sample Code	C0591203	C0591204	C0591205	C0591206	C0591207	C0591208	C0591209	C0591210	C0591211
Sampling Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/1/2003	8/1/2003	8/1/2003
Sampling Depth (feet bgs)	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	MG/KG	MG/KG	MG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	5.3 U	5.7	1.4 J	5.6	2.6 J	5.6 U	0.1 U	0.031 U	0.0025 J
ACENAPHTHENE	5.3 U	5.7 U	5.1 U	1.8 J	1.4 J	5.6 U	0.1 UJ	0.031 UJ	0.0051 J
ACENAPHTHYLENE	5.3 U	3 J	5.1 U	5.4	8.8	5.6 U	0.1 U	0.031 U	0.0069 J
ANTHRACENE	5.3 U	2 J	5.1 U	5.4	7.5	5.6 U	0.1 UJ	0.031 UJ	0.01 J
BENZ(A)ANTHRACENE	0.4 J	11	3.3 J	100	70 J	3.5 J	0.11 J	0.029 J	0.049 J
BENZO(A)PYRENE	5.3 UJ	16 J	3 J	71 J	93 J	6.4 J	0.058 J	0.017 J	0.074 J
BENZO(B)FLUORANTHENE	5.3 UJ	12 J	4.7 J	49 J	58 J	3.5 J	0.069 J	0.015 J	0.086 J
BENZO(G,H,I)PERYLENE	5.3 UJ	13 J	7.7 J	38 J	73 J	3.2 J	0.093 J	0.029 J	0.089 J
BENZO(K)FLUORANTHENE	5.3 UJ	9.2 J	1.9 J	37 J	60 J	3.5 J	0.1 UJ	0.031 UJ	0.022 J
CHRYSENE	0.83 J	7.8	4.3 J	90	51 J	3.3 J	0.038 J	0.014 J	0.053 J
DIBENZ(A,H)ANTHRACENE	5.3 UJ	3.3 J	0.79 J	16 J	13 J	1 J	0.036 J	0.013 J	0.016 J
FLUORANTHENE	5.3 U	20	2.1 J	55	130	2.8 J	0.066 J	0.013 J	0.091 J
FLUORENE	5.3 U	1.8 J	1.2 J	2.9 J	2.4 J	5.6 U	0.1 U	0.031 U	0.01 U
INDENO(1,2,3-CD)PYRENE	5.3 UJ	9 J	2.4 J	27 J	44 J	3 J	0.088 J	0.026 J	0.06 J
NAPHTHALENE	5.3 U	1.7 J	0.61 J	3.1 J	3.7 J	5.6 U	0.1 U	0.031 U	0.0051 J
PHENANTHRENE	0.59 J	31	8.6	57	93	2.1 J	0.051 J	0.013 J	0.034 J
PYRENE	0.55 J	24	3.8 J	72	160	6.6	0.094 J	0.015 J	0.13 J

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B025	C3S023B026	C3S023B026	C3S023B026	C3S023B026	C3S023B027	C3S023B027	C3S023B027	C3S023B027
Sample Code	C0591213	C0591214	C0591215	C0591216	C0591217	C0591218	C0591219	C0591220	C0591221
Sampling Date	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003
Sampling Depth (feet bgs)	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.006 U	0.01 U	0.0026 J	0.006 U	0.0073 J	0.027 U	0.005 U	0.006 U	0.041 J
ACENAPHTHENE	0.018 UJ	0.01 U	0.046	0.0044 J	0.012	0.027 UJ	0.0021 J	0.019 UJ	0.06 UJ
ACENAPHTHYLENE	0.0035 J	0.01 U	0.037	0.0062 J	0.039	0.016 J	0.0026 J	0.019 U	0.06 U
ANTHRACENE	0.0074 J	0.0027 J	0.12	0.0055 J	0.045	0.0075 J	0.0048 J	0.006 UJ	0.014 J
BENZ(A)ANTHRACENE	0.04 J	0.016	0.36	0.036	0.42	0.054 J	0.05 J	0.0048 J	0.13 J
BENZO(A)PYRENE	0.053 J	0.01	0.42	0.059	0.6	0.078 J	0.058 J	0.006 UJ	0.14 J
BENZO(B)FLUORANTHENE	0.067 J	0.011	0.43	0.07	0.97	0.086 J	0.07 J	0.006 UJ	0.19 J
BENZO(G,H,I)PERYLENE	0.045 J	0.012	0.25	0.073	0.78	0.091 J	0.047 J	0.0034 J	0.12 J
BENZO(K)FLUORANTHENE	0.013 J	0.01 U	0.14	0.022	0.22	0.021 J	0.023 J	0.006 UJ	0.16 J
CHRYSENE	0.034 J	0.008 J	0.39	0.038	0.48	0.052 J	0.045 J	0.006 UJ	0.18 J
DIBENZ(A,H)ANTHRACENE	0.0062 J	0.01 U	0.049	0.0093	0.096	0.02 J	0.0093 J	0.006 UJ	0.068 J
FLUORANTHENE	0.044 J	0.019	0.9	0.087	0.49	0.086 J	0.082 J	0.006 UJ	0.056 J
FLUORENE	0.01 U	0.01 UJ	0.01 UJ	0.01 UJ	0.011 J	0.0094 J	0.01 U	0.01 U	0.06 U
INDENO(1,2,3-CD)PYRENE	0.031 J	0.011	0.19	0.049	0.59	0.06 J	0.039 J	0.0041 J	0.061 UJ
NAPHTHALENE	0.0045 J	0.01 U	0.0069 J	0.0035 J	0.033	0.027 U	0.0017 J	0.01 U	0.018 J
PHENANTHRENE	0.016 J	0.014	0.44	0.01	0.11	0.053 J	0.021 J	0.006 UJ	0.043 UJ
PYRENE	0.098 J	0.02	1.1	0.089	0.91	0.12 J	0.071 J	0.006 UJ	0.042 UJ

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156:. SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B028	C3S023B028	C3S023B028	C3S023B028	C3S023B029	C3S023B029	C3S023B029	C3S023B029	C3S023B030
Sample Code	C0591223	C0591224	C0591225	C0591226	C0591227	C0591228	C0591229	C0591230	C0591231
Sampling Date	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/6/2003
Sampling Depth (feet bgs)	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.005 U	0.006 U	0.005 U	0.006 U	0.06 U	0.006 U	0.005 U	0.006 U	0.0023 J
ACENAPHTHENE	0.05 U	0.006 U	0.005 U	0.006 U	0.06 U	0.006 U	0.005 U	0.006 U	0.005 U
ACENAPHTHYLENE	0.05 U	0.006 U	0.005 U	0.006 U	0.06 UJ	0.006 UJ	0.005 UJ	0.006 UJ	0.005 U
ANTHRACENE	0.05 U	0.006 U	0.005 U	0.006 U	0.06 U	0.006 U	0.005 U	0.006 U	0.005 U
BENZ(A)ANTHRACENE	0.05 U	0.006 U	0.005 U	0.006 U	0.06 U	0.006 U	0.005 U	0.006 U	0.0023 J
BENZO(A)PYRENE	0.05 U	0.006 U	0.005 U	0.006 U	0.06 U	0.006 U	0.005 U	0.006 U	0.005 U
BENZO(B)FLUORANTHENE	0.05 UJ	0.006 UJ	0.005 UJ	0.006 UJ	0.06 U	0.006 U	0.005 U	0.006 U	0.0037 J
BENZO(G,H,I)PERYLENE	0.05 U	0.006 U	0.005 U	0.006 U	0.06 U	0.006 U	0.005 U	0.006 U	0.0028 J
BENZO(K)FLUORANTHENE	0.05 U	0.006 U	0.005 U	0.006 U	0.06 U	0.006 U	0.005 U	0.006 U	0.005 U
CHRYSENE	0.05 U	0.006 U	0.005 U	0.006 U	0.06 UJ	0.006 UJ	0.005 UJ	0.006 UJ	0.0034 J
DIBENZ(A,H)ANTHRACENE	0.05 U	0.006 U	0.005 U	0.006 U	0.06 U	0.006 U	0.005 U	0.006 U	0.005 U
FLUORANTHENE	0.05 U	0.006 U	0.005 U	0.006 U	0.06 U	0.006 U	0.005 U	0.006 U	0.0052
FLUORENE	0.05 U	0.006 U	0.005 U	0.006 U	0.06 U	0.006 U	0.005 U	0.006 U	0.005 U
INDENO(1,2,3-CD)PYRENE	0.05 U	0.006 U	0.005 U	0.006 U	0.06 U	0.006 U	0.005 U	0.006 U	0.005 U
NAPHTHALENE	0.05 U	0.006 U	0.005 U	0.006 U	0.06 U	0.006 U	0.005 U	0.006 U	0.0014 J
PHENANTHRENE	0.05 U	0.006 U	0.005 U	0.006 U	0.06 U	0.006 U	0.005 U	0.006 U	0.011
PYRENE	0.05 U	0.006 U	0.005 U	0.006 U	0.06 U	0.006 U	0.005 U	0.006 U	0.0057

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B030	C3S023B030	C3S023B030	C3S023B031	C3S023B031	C3S023B031	C3S023B031	C3S023B032	C3S023B032
Sample Code	C0591233	C0591234	C0591235	C0591236	C0591237	C0591238	C0591239	C0591240	C0591241
Sampling Date	8/6/2003	8/6/2003	8/6/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003
Sampling Depth (feet bgs)	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2
Units	MG/KG	MG/KG	MG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.005 U	0.005 U	0.006 U	6.6	0.39 J	5.3 U	0.42 J	0.5 J	5 U
ACENAPHTHENE	0.005 U	0.005 U	0.006 U	5.1 U	5.3 U	5.3 U	5.4 U	5.1 U	5 U
ACENAPHTHYLENE	0.005 U	0.005 U	0.006 U	5.1 U	0.72 J	5.3 U	5.4 U	5.1 U	5 U
ANTHRACENE	0.005 U	0.005 U	0.006 U	5.1 U	1.2 J	5.3 U	5.4 U	5.1 U	5 U
BENZ(A)ANTHRACENE	0.005 U	0.005 U	0.006 U	1.6 J	3.2 J	5.3 U	0.25 J	1.8 J	5 UJ
BENZO(A)PYRENE	0.005 U	0.005 U	0.006 U	4.2 J	6.5	5.3 U	0.72 J	5.4 J	5 UJ
BENZO(B)FLUORANTHENE	0.005 UJ	0.005 UJ	0.006 UJ	12	5.2 J	5.3 U	0.78 J	5.1 UJ	5 UJ
BENZO(G,H,I)PERYLENE	0.005 U	0.005 U	0.006 U	6.2	22	5.3 U	0.92 J	32 J	5 UJ
BENZO(K)FLUORANTHENE	0.005 U	0.005 U	0.006 U	5.1 U	4.8 J	5.3 U	0.28 J	5.1 UJ	5 UJ
CHRYSENE	0.005 U	0.005 U	0.006 U	15	6	5.3 U	1.5 J	3.9 J	5 UJ
DIBENZ(A,H)ANTHRACENE	0.005 U	0.005 U	0.006 U	1.7 J	2.3 J	5.3 U	0.24 J	5.1 UJ	5 UJ
FLUORANTHENE	0.005 U	0.005 U	0.006 U	3.4 J	4.3 J	0.33 J	0.51 J	0.42 J	0.36 J
FLUORENE	0.005 U	0.005 U	0.006 U	2.5 J	0.29 J	5.3 U	5.4 U	5.1 U	5 U
INDENO(1,2,3-CD)PYRENE	0.005 U	0.005 U	0.006 U	2.3 J	8.4	5.3 U	0.61 J	5.1 UJ	5 UJ
NAPHTHALENE	0.005 U	0.005 U	0.006 U	3.5 J	0.42 J	0.29 J	0.66 J	5.1 U	5 U
PHENANTHRENE	0.005 U	0.005 U	0.006 U	48	3.1 J	0.27 J	2.1 J	1.1 J	5 U
PYRENE	0.005 U	0.005 U	0.006 U	13	6.2	0.22 J	1.3 J	0.46 J	0.39 J

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B032	C3S023B032	C3S023B033	C3S023B033	C3S023B033	C3S023B033	C3S023B034	C3S023B034	C3S023B034
Sample Code	C0591243	C0591244	C0591245	C0591246	C0591247	C0591248	C0591249	C0591250	C0591251
Sampling Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/1/2003	8/1/2003	8/1/2003
Sampling Depth (feet bgs)	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	MG/KG	MG/KG	MG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	5.2 U	5.8 U	1.4 J	5.2 U	5.5 U	62 U	0.1 U	0.1 U	0.005 U
ACENAPHTHENE	5.2 U	5.8 U	5.2 U	5.2 U	5.5 U	62 U	0.1 U	0.1 U	0.016 U
ACENAPHTHYLENE	5.2 U	5.8 U	5.2 U	5.2 U	5.5 U	62 U	0.1 U	0.1 U	0.016 U
ANTHRACENE	5.2 U	5.8 U	0.45 J	5.2 U	5.5 U	62 U	0.1 U	0.1 U	0.005 U
BENZ(A)ANTHRACENE	0.7 J	5.8 U	5.8	1.6 J	0.72 J	22 J	0.11	0.093 J	0.0051
BENZO(A)PYRENE	0.64 J	5.8 U	8.8 J	2.6 J	5.5 UJ	66 J	0.047 J	0.1 U	0.0033 J
BENZO(B)FLUORANTHENE	5.2 UJ	5.8 UJ	5 J	2.1 J	0.67 J	28 J	0.093 J	0.052 J	0.0038 J
BENZO(G,H,I)PERYLENE	5.2 UJ	5.8 UJ	15 J	8.1 J	0.85 J	130 J	0.1	0.08 J	0.008
BENZO(K)FLUORANTHENE	0.89 J	5.8 U	5.5 J	1.1 J	0.37 J	18 J	0.04 J	0.1 U	0.005 U
CHRYSENE	1.6 J	0.76 J	9.4	2.7 J	1.2 J	40 J	0.075 J	0.039 J	0.0018
DIBENZ(A,H)ANTHRACENE	5.2 U	5.8 U	2 J	1.1 J	5.5 UJ	39 J	0.035 J	0.032 J	0.005 U
FLUORANTHENE	0.62 J	0.39 J	3.9 J	0.9 J	0.62 J	62 U	0.14	0.049 J	0.0035 J
FLUORENE	5.2 U	5.8 U	5.2 U	5.2 U	5.5 U	62 U	0.1 UJ	0.1 UJ	0.01 UJ
INDENO(1,2,3-CD)PYRENE	5.2 U	5.8 U	7.3 J	2.1 J	0.83 J	12 J	0.089 J	0.076 J	0.0081
NAPHTHALENE	5.2 U	5.8 U	0.8 J	5.2 U	0.37 J	62 U	0.1 U	0.1 U	0.01 U
PHENANTHRENE	5.2 U	5.8 U	6.8	0.61 J	0.45 J	62 U	0.1 U	0.1 U	0.005 U
PYRENE	0.88 J	0.96 J	6.7	1.3 J	0.75 J	14 J	0.12	0.045 J	0.0034 J

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B034	C3S023B035	C3S023B035	C3S023B035	C3S023B035	C3S023B036	C3S023B036	C3S023B036	C3S023B036
Sample Code	C0591253	C0591254	C0591255	C0591256	C0591257	C0591258	C0591259	C0591260	C0591261
Sampling Date	8/1/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/7/2003	8/7/2003	8/7/2003	8/7/2003
Sampling Depth (feet bgs)	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8
Units	MG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.006 U	5.5 U	1.5 J	0.63 J	5.9 U	5.3 U	5.3 U	5.2 U	5.6 U
ACENAPHTHENE	0.017 U	5.5 U	5.3 U	6 U	5.9 U	5.3 U	5.3 U	5.2 U	5.6 U
ACENAPHTHYLENE	0.017 U	5.5 U	2.4 J	6 U	5.9 U	5.3 U	5.3 U	5.2 U	5.6 U
ANTHRACENE	0.006 U	5.5 U	3.5 J	6 U	5.9 U	5.3 U	5.3 U	5.2 U	5.6 U
BENZ(A)ANTHRACENE	0.0045 J	1.7 J	14	3.2 J	5.9 U	5.3 U	5.3 U	0.63 J	5.6 U
BENZO(A)PYRENE	0.006 U	2.7 J	21 J	3.3 J	5.9 U	5.8	5.3 U	5.2 U	5.6 U
BENZO(B)FLUORANTHENE	0.006 U	2.6 J	20 J	3.9 J	5.9 UJ	7.4	5.3 U	5.2 U	0.7 J
BENZO(G,H,I)PERYLENE	0.0029 J	1.7 J	14 J	1.4 J	0.49 J	32	0.32 J	5.2 U	2.7 J
BENZO(K)FLUORANTHENE	0.006 U	1.9 J	14 J	2.2 J	5.9 U	5.3 U	5.3 U	5.2 U	5.6 U
CHRYSENE	0.006 U	2.7 J	13	2.9 J	5.9 U	29	5.3 U	0.43 J	1.8 J
DIBENZ(A,H)ANTHRACENE	0.006 U	5.5 UJ	2.8 J	6 UJ	5.9 U	8.8	5.3 U	5.2 U	5.6 U
FLUORANTHENE	0.006 U	1.9 J	22	4.8 J	5.9 U	3.3 J	0.28 J	0.84 J	0.88 J
FLUORENE	0.01 UJ	5.5 U	5.3 U	6 U	5.9 U	5.3 U	5.3 U	5.2 U	5.6 U
INDENO(1,2,3-CD)PYRENE	0.0037 J	1.4 J	11 J	1.2 J	5.9 U	5.9	0.2 J	5.2 U	5.6 U
NAPHTHALENE	0.0011 J	5.5 U	1.7 J	0.47 J	5.9 U	0.38 J	0.24 J	5.2 U	5.6 U
PHENANTHRENE	0.006 U	1 J	14	4.4 J	5.9 U	5.3 U	0.33 J	0.53 J	0.42 J
PYRENE	0.006 U	2.4 J	25	6	5.9 U	3.2 J	0.3 J	0.9 J	1.1 J

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B037	C3S023B037	C3S023B037	C3S023B037	C3S023B038	C3S023B038	C3S023B038	C3S023B038	C3S023B039
Sample Code	C0591263	C0591264	C0591265	C0591266	C0591267	C0591268	C0591269	C0591270	C0591271
Sampling Date	8/6/2003	8/6/2003	8/6/2003	8/6/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003
Sampling Depth (feet bgs)	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.005 U	0.005 U	0.005 U	0.006 U	0.07 U	0.005 U	0.005 U	0.06 U	0.05 U
ACENAPHTHENE	0.01 U	0.005 U	0.005 U	0.006 U	0.07 U	0.005 U	0.005 U	0.06 U	0.05 U
ACENAPHTHYLENE	0.01 UJ	0.005 UJ	0.005 UJ	0.006 UJ	0.07 U	0.005 U	0.005 U	0.06 U	0.05 U
ANTHRACENE	0.01 U	0.005 U	0.005 U	0.006 U	0.07 U	0.005 U	0.005 U	0.06 U	0.05 U
BENZ(A)ANTHRACENE	0.01 U	0.005 U	0.0019 J	0.006 U	0.07 UJ	0.005 UJ	0.005 U	0.06 UJ	0.05 UJ
BENZO(A)PYRENE	0.01 U	0.005 U	0.0017 J	0.006 U	0.07 U	0.005 U	0.005 U	0.06 U	0.05 U
BENZO(B)FLUORANTHENE	0.01 U	0.005 U	0.0017 J	0.006 U	0.07 U	0.005 U	0.005 U	0.06 U	0.05 U
BENZO(G,H,I)PERYLENE	0.01 U	0.005 U	0.005 U	0.006 U	0.07 UJ	0.005 UJ	0.005 U	0.06 UJ	0.05 UJ
BENZO(K)FLUORANTHENE	0.01 U	0.005 U	0.005 U	0.006 U	0.07 UJ	0.005 UJ	0.005 U	0.06 UJ	0.05 UJ
CHRYSENE	0.01 UJ	0.005 UJ	0.005 UJ	0.006 UJ	0.07 UJ	0.005 UJ	0.005 U	0.06 UJ	0.05 UJ
DIBENZ(A,H)ANTHRACENE	0.01 U	0.005 U	0.005 U	0.006 U	0.07 U	0.005 U	0.005 U	0.06 U	0.05 U
FLUORANTHENE	0.01 U	0.005 U	0.003 J	0.006 U	0.07 U	0.005 U	0.005 U	0.06 U	0.05 U
FLUORENE	0.01 U	0.005 U	0.005 U	0.006 U	0.07 U	0.005 U	0.005 U	0.06 U	0.05 U
INDENO(1,2,3-CD)PYRENE	0.01 U	0.005 U	0.005 U	0.006 U	0.07 UJ	0.005 UJ	0.005 U	0.06 UJ	0.05 UJ
NAPHTHALENE	0.01 U	0.005 U	0.005 U	0.006 U	0.07 U	0.005 U	0.005 U	0.06 U	0.05 U
PHENANTHRENE	0.01 U	0.005 U	0.005 U	0.006 U	0.07 U	0.005 U	0.005 U	0.06 U	0.05 U
PYRENE	0.01 U	0.005 U	0.0024 J	0.006 U	0.07 UJ	0.005 UJ	0.005 U	0.06 UJ	0.05 UJ

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B039	C3S023B039	C3S023B039	C3S023B040	C3S023B040	C3S023B040	C3S023B040	C3S023B041	C3S023B041
Sample Code	C0591273	C0591274	C0591275	C0591276	C0591277	C0591278	C0591279	C0591280	C0591281
Sampling Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003
Sampling Depth (feet bgs)	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.005 U	0.005 U	0.028 U	0.05 U	0.26 U	0.005 U	0.005 U	0.26 U	0.05 U
ACENAPHTHENE	0.005 U	0.005 U	0.028 U	0.05 U	0.26 U	0.005 U	0.005 U	0.26 U	0.05 U
ACENAPHTHYLENE	0.005 U	0.005 U	0.028 U	0.05 U	0.26 U	0.005 U	0.005 U	0.26 U	0.05 U
ANTHRACENE	0.005 U	0.005 U	0.028 U	0.05 U	0.26 U	0.005 U	0.005 U	0.26 U	0.05 U
BENZ(A)ANTHRACENE	0.005 UJ	0.005 U	0.028 UJ	0.05 UJ	0.26 UJ	0.005 UJ	0.005 UJ	0.26 UJ	0.05 UJ
BENZO(A)PYRENE	0.005 U	0.005 U	0.028 U	0.05 U	0.26 U	0.005 U	0.005 U	0.26 U	0.05 U
BENZO(B)FLUORANTHENE	0.005 U	0.005 U	0.028 U	0.05 U	0.26 U	0.005 U	0.005 U	0.26 U	0.05 U
BENZO(G,H,I)PERYLENE	0.005 UJ	0.005 U	0.028 UJ	0.05 UJ	0.26 UJ	0.005 UJ	0.0021 J	0.26 UJ	0.05 UJ
BENZO(K)FLUORANTHENE	0.005 UJ	0.005 U	0.028 UJ	0.05 UJ	0.26 UJ	0.005 UJ	0.005 UJ	0.26 UJ	0.05 UJ
CHRYSENE	0.005 UJ	0.005 U	0.028 UJ	0.05 UJ	0.26 UJ	0.005 UJ	0.005 UJ	0.26 UJ	0.05 UJ
DIBENZ(A,H)ANTHRACENE	0.005 U	0.005 U	0.028 U	0.05 U	0.26 U	0.005 U	0.005 U	0.26 U	0.05 U
FLUORANTHENE	0.005 U	0.005 U	0.028 U	0.05 U	0.26 U	0.005 U	0.005 U	0.26 U	0.05 U
FLUORENE	0.005 U	0.005 U	0.028 U	0.05 U	0.26 U	0.005 U	0.005 U	0.26 U	0.05 U
INDENO(1,2,3-CD)PYRENE	0.005 UJ	0.005 U	0.028 UJ	0.05 UJ	0.26 UJ	0.005 UJ	0.005 UJ	0.26 UJ	0.05 UJ
NAPHTHALENE	0.005 U	0.005 U	0.028 U	0.05 U	0.26 U	0.005 U	0.005 U	0.26 U	0.05 U
PHENANTHRENE	0.005 U	0.005 U	0.028 U	0.05 U	0.26 U	0.005 U	0.005 U	0.26 U	0.05 U
PYRENE	0.005 UJ	0.005 U	0.028 UJ	0.05 UJ	0.26 UJ	0.005 UJ	0.005 UJ	0.26 UJ	0.05 UJ

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B041	C3S023B041	C3S023B042	C3S023B042	C3S023B042	C3S023B042	C3S023B043	C3S023B043	C3S023B043
Sample Code	C0591283	C0591284	C0591285	C0591286	C0591287	C0591288	C0591289	C0591290	C0591291
Sampling Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003
Sampling Depth (feet bgs)	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4
Units	MG/KG	MG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.05 U	0.005 U	31 J	5.2 U	5.5 U	6.1 U	52 U	5.2 U	5.2 U
ACENAPHTHENE	0.05 U	0.005 U	51 U	5.2 U	5.5 U	6.1 U	52 U	5.2 U	5.2 U
ACENAPHTHYLENE	0.05 U	0.005 U	51 U	5.2 U	5.5 U	6.1 U	52 U	5.2 U	5.2 U
ANTHRACENE	0.05 U	0.005 U	51 U	5.2 U	5.5 U	6.1 U	52 U	5.2 U	5.2 U
BENZ(A)ANTHRACENE	0.05 UJ	0.005 UJ	51 U	1.1 J	0.93 J	0.46 J	52 U	0.87 J	0.59 J
BENZO(A)PYRENE	0.05 U	0.005 U	7 J	1.4 J	1.6 J	1 J	30 J	0.67 J	5.2 U
BENZO(B)FLUORANTHENE	0.05 U	0.005 U	6.7 J	1.2 J	1.8 J	0.74 J	52 UJ	0.59 J	5.2 UJ
BENZO(G,H,I)PERYLENE	0.05 UJ	0.0021 J	49 J	2.2 J	2.1 J	1.6 J	52 UJ	5.2 UJ	5.2 UJ
BENZO(K)FLUORANTHENE	0.05 UJ	0.005 UJ	6.6 J	0.75 J	0.63 J	0.79 J	52 U	5.2 U	5.2 U
CHRYSENE	0.05 UJ	0.005 UJ	7.1 J	1.5 J	1.9 J	0.94 J	52 U	2.1 J	1.3 J
DIBENZ(A,H)ANTHRACENE	0.05 U	0.005 U	5.2 J	1.2 J	1.3 J	0.94 J	52 U	5.2 U	5.2 U
FLUORANTHENE	0.05 U	0.005 U	51 U	0.68 J	0.65 J	0.62 J	52 U	5.2 U	5.2 U
FLUORENE	0.05 U	0.005 U	51 U	5.2 U	5.5 U	6.1 U	52 U	5.2 U	5.2 U
INDENO(1,2,3-CD)PYRENE	0.05 UJ	0.005 UJ	7.9 J	1.8 J	2.3 J	1.5 J	52 U	5.2 U	5.2 U
NAPHTHALENE	0.05 U	0.005 U	37 J	5.2 U	5.5 U	6.1 U	52 U	0.37 J	5.2 U
PHENANTHRENE	0.05 U	0.005 U	5.7 J	0.44 J	5.5 U	0.62 J	5.1 J	5.2 U	5.2 U
PYRENE	0.05 UJ	0.005 UJ	51 U	0.9 J	0.72 J	0.9 J	3.6 J	5.2 U	5.2 U

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B043	C3S023B044	C3S023B044	C3S023B044	C3S023B044	C3S023B045	C3S023B045	C3S023B045	C3S023B045
Sample Code	C0591293	C0591294	C0591295	C0591296	C0591297	C0591298	C0591299	C0591300	C0591301
Sampling Date	8/5/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003
Sampling Depth (feet bgs)	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8
Units	UG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	11000	0.1 U	0.2 U	0.028 U	0.034	0.1 U	0.2 U	0.006 U	0.006 U
ACENAPHTHENE	93 J	0.1 U	0.2 U	0.028 U	0.027 U	0.1 U	0.2 U	0.017 U	0.0018 J
ACENAPHTHYLENE	66 J	0.1 U	0.2 U	0.028 U	0.027 U	0.1 U	0.2 U	0.017 U	0.0022 J
ANTHRACENE	280 U	0.1 U	0.2 U	0.028 U	0.027 U	0.1 U	0.2 U	0.0019 J	0.0015 J
BENZ(A)ANTHRACENE	52 J	0.18	0.16 J	0.028 U	0.023 J	0.1 U	0.2 U	0.014	0.013
BENZO(A)PYRENE	45 J	0.18	0.2 U	0.028 U	0.027 U	0.1 U	0.2 U	0.021	0.014
BENZO(B)FLUORANTHENE	50 J	0.22	0.2 U	0.028 U	0.027 U	0.1 U	0.2 U	0.023	0.015
BENZO(G,H,I)PERYLENE	47 J	0.2	0.15 J	0.019 J	0.021 J	0.1 U	0.2 U	0.02	0.017
BENZO(K)FLUORANTHENE	33 J	0.079 J	0.2 U	0.028 U	0.027 U	0.1 U	0.2 U	0.0054 J	0.0045 J
CHRYSENE	63 J	0.14	0.2 U	0.028 U	0.027 U	0.1 U	0.2 U	0.013	0.0093
DIBENZ(A,H)ANTHRACENE	280 U	0.054 J	0.2 U	0.028 U	0.027 U	0.1 U	0.2 U	0.006 U	0.0029 J
FLUORANTHENE	110 J	0.15	0.2 U	0.028 U	0.027 U	0.1 U	0.2 U	0.023	0.019
FLUORENE	290	0.1 UJ	0.2 UJ	0.028 UJ	0.027 UJ	0.1 UJ	0.2 UJ	0.01 UJ	0.01 UJ
INDENO(1,2,3-CD)PYRENE	30 J	0.2	0.15 J	0.028 U	0.019 J	0.1 U	0.2 U	0.011	0.015
NAPHTHALENE	12000	0.1 U	0.2 U	0.028 U	0.091	0.1 U	0.2 U	0.01 U	0.0074 J
PHENANTHRENE	410	0.1 U	0.2 U	0.028 U	0.011 J	0.1 U	0.2 U	0.0046 J	0.006
PYRENE	140 J	0.17	0.2 U	0.028 U	0.012 J	0.1 U	0.2 U	0.03	0.024

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B046	C3S023B046	C3S023B046	C3S023B046	C3S023B047	C3S023B047	C3S023B047	C3S023B047	C3S023B048
Sample Code	C0591303	C0591304	C0591305	C0591306	C0591307	C0591308	C0591309	C0591310	C0591311
Sampling Date	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/7/2003	8/7/2003	8/7/2003	8/7/2003	8/7/2003
Sampling Depth (feet bgs)	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5
Units	MG/KG	MG/KG	MG/KG	MG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.1 U	0.028 U	0.005 U	0.0023 J	6 U	5.3 U		6.2 U	5.3 U
ACENAPHTHENE	0.1 U	0.028 UJ	0.0027 J	0.0033 J	6 U	5.3 U	5.3 U	6.2 U	5.3 U
ACENAPHTHYLENE	0.1 U	0.0086 J	0.0025 J	0.004 J	6 U	5.3 U	5.3 U	6.2 U	5.3 U
ANTHRACENE	0.1 U	0.009 J	0.0096	0.0098 J	6 U	5.3 U	5.3 U	6.2 U	0.24 J
BENZ(A)ANTHRACENE	0.081 J	0.1 J	0.075	0.12 J	0.45 J	5.3 U	5.3 U	0.23 J	0.97 J
BENZO(A)PYRENE	0.1 U	0.12 J	0.083	0.17 J	0.5 J	5.3 U	5.3 U	0.42 J	0.83 J
BENZO(B)FLUORANTHENE	0.1 U	0.15 J	0.1	0.18 J	0.39 J	5.3 U	5.3 U	0.38 J	0.79 J
BENZO(G,H,I)PERYLENE	0.056 J	0.089 J	0.047	0.094 J	0.57 J	5.3 U	5.3 U	0.55 J	1.4 J
BENZO(K)FLUORANTHENE	0.1 U	0.044 J	0.037	0.058 J	0.42 J	5.3 U	5.3 U	0.27 J	0.77 J
CHRYSENE	0.1 U	0.12 J	0.076	0.13 J	0.57 J	5.3 U	5.3 U	0.29 J	1.3 J
DIBENZ(A,H)ANTHRACENE	0.1 U	0.018 J	0.011	0.025 J	6 U	5.3 U	5.3 U	6.2 U	5.3 U
FLUORANTHENE	0.1 U	0.15 J	0.12	0.13 J	1 J	0.43 J	0.38 J	0.43 J	2 J
FLUORENE	0.1 UJ	0.028 U	0.01 UJ	0.0026 J	6 U	5.3 U	5.3 U	6.2 U	5.3 U
INDENO(1,2,3-CD)PYRENE	0.066 J	0.073 J	0.04	0.08 J	6 U	5.3 U	5.3 U	0.49 J	1.1 J
NAPHTHALENE	0.1 U	0.028 U	0.0021 J	0.0046 J	0.28 J	0.27 J	0.28 J	6.2 U	0.26 J
PHENANTHRENE	0.1 U	0.054 J	0.039	0.033 J	6 U	5.3 U	5.3 U	6.2 U	1.3 J
PYRENE	0.1 U	0.2 J	0.11	0.25 J	1 J	5.3 U	5.3 U	6.2 U	2.5 J

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B048	C3S023B048	C3S023B048	C3S023B049	C3S023B049	C3S023B049	C3S023B049	C3S023B050	C3S023B050
Sample Code	C0591313	C0591314	C0591315	C0591316	C0591317	C0591318	C0591319	C0591320	C0591321
Sampling Date	8/7/2003	8/7/2003	8/7/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003
Sampling Depth (feet bgs)	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2
Units	UG/KG	UG/KG	UG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	5.3 U	5.3 U	5.9 U	0.0012 J	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U
ACENAPHTHENE	5.3 U	5.3 U	5.9 U	0.005 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U
ACENAPHTHYLENE	5.3 U	5.3 U	5.9 U	0.005 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U
ANTHRACENE	5.3 U	5.3 U	5.9 U	0.005 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U
BENZ(A)ANTHRACENE	5.3 U	5.3 U	0.25 J	0.005 U	0.005 U	0.005 U	0.006 UJ	0.26 U	0.005 U
BENZO(A)PYRENE	5.3 U	5.3 U	5.9 U	0.005 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U
BENZO(B)FLUORANTHENE	5.3 U	5.3 U	5.9 U	0.005 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U
BENZO(G,H,I)PERYLENE	5.3 U	0.21 J	0.65 J	0.005 U	0.005 U	0.005 U	0.006 UJ	0.26 U	0.005 U
BENZO(K)FLUORANTHENE	5.3 U	5.3 U	5.9 U	0.005 U	0.005 U	0.005 U	0.006 UJ	0.26 U	0.005 U
CHRYSENE	5.3 U	5.3 U	0.56 J	0.005 U	0.005 U	0.005 U	0.006 UJ	0.26 U	0.005 U
DIBENZ(A,H)ANTHRACENE	5.3 U	5.3 U	5.9 U	0.005 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U
FLUORANTHENE	0.42 J	0.22 J	0.69 J	0.005 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U
FLUORENE	5.3 U	5.3 U	5.9 U	0.005 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U
INDENO(1,2,3-CD)PYRENE	5.3 U	5.3 U	5.9 U	0.005 U	0.005 U	0.005 U	0.006 UJ	0.26 U	0.005 U
NAPHTHALENE	5.3 U	0.25 J	0.31 J	0.005 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U
PHENANTHRENE	5.3 U	0.29 J	0.71 J	0.005 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U
PYRENE	5.3 U	0.21 J	5.9 U	0.005 U	0.005 U	0.005 U	0.006 UJ	0.26 U	0.005 U

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B050	C3S023B050	C3S023B051	C3S023B051	C3S023B051	C3S023B051	C3S023B052	C3S023B052	C3S023B052
Sample Code	C0591323	C0591324	C0591325	C0591326	C0591327	C0591328	C0591329	C0591330	C0591331
Sampling Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003
Sampling Depth (feet bgs)	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.005 U	1.6	0.26 U	0.005 U		0.006 U	0.26 U	0.005 U	0.005 U
ACENAPHTHENE	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U
ACENAPHTHYLENE	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U
ANTHRACENE	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U
BENZ(A)ANTHRACENE	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U
BENZO(A)PYRENE	0.005 U	0.0023 J	0.26 U	0.0019 J	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U
BENZO(B)FLUORANTHENE	0.005 U	0.003 J	0.26 U	0.0023 J	0.005 U	0.006 U	0.26 U	0.005 U	0.0016 J
BENZO(G,H,I)PERYLENE	0.005 U	0.003 J	0.26 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U	0.0018 J
BENZO(K)FLUORANTHENE	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U
CHRYSENE	0.005 U	0.006 U	0.26 U	0.0023 J	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U
DIBENZ(A,H)ANTHRACENE	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U
FLUORANTHENE	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U
FLUORENE	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U
INDENO(1,2,3-CD)PYRENE	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U
NAPHTHALENE	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U
PHENANTHRENE	0.005 U	0.0068	0.26 U	0.005 U	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U
PYRENE	0.005 U	0.006 U	0.26 U	0.0027 J	0.005 U	0.006 U	0.26 U	0.005 U	0.005 U

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B052	C3S023B053	C3S023B053	C3S023B053	C3S023B053	C3S023B054	C3S023B054	C3S023B054	C3S023B054
Sample Code	C0591333	C0591334	C0591335	C0591336	C0591337	C0591338	C0591339	C0591340	C0591341
Sampling Date	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003	8/5/2003
Sampling Depth (feet bgs)	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.01 U	0.026 U	0.005 U	0.005 U	0.006 U	100 U	52 U	5.2 U	5.7 U
ACENAPHTHENE	0.01 U	0.026 U	0.005 U	0.005 U	0.006 U	100 U	52 U	5.2 U	5.7 U
ACENAPHTHYLENE	0.01 U	0.026 U	0.005 U	0.005 U	0.006 U	100 U	52 U	5.2 U	5.7 U
ANTHRACENE	0.01 U	0.026 U	0.005 U	0.005 U	0.006 U	100 U	52 U	5.2 U	5.7 U
BENZ(A)ANTHRACENE	0.01 U	0.026 U	0.005 U	0.005 U	0.006 U	42 J	52 U	1.3 J	0.7 J
BENZO(A)PYRENE	0.01 U	0.026 U	0.005 U	0.005 U	0.006 U	230 J	52 UJ	0.77 J	1.9 J
BENZO(B)FLUORANTHENE	0.01 U	0.015 J	0.005 U	0.005 U	0.0023 J	17 J	52 UJ	5.2 UJ	1.4 J
BENZO(G,H,I)PERYLENE	0.01 U	0.012 J	0.005 U	0.005 U	0.006 U	130 J	29 J	1.2 J	3.6 J
BENZO(K)FLUORANTHENE	0.01 U	0.026 U	0.005 U	0.005 U	0.006 U	31 J	3.1 J	0.55 J	1.1 J
CHRYSENE	0.01 U	0.0094 J	0.005 U	0.005 U	0.006 U	110	6.1 J	2.2 J	2.6 J
DIBENZ(A,H)ANTHRACENE	0.01 U	0.026 U	0.005 U	0.005 U	0.006 U	36 J	6.3 J	0.72 J	1.2 J
FLUORANTHENE	0.01 U	0.026 U	0.005 U	0.005 U	0.0023 J	100 U	52 U	0.37 J	0.61 J
FLUORENE	0.01 U	0.026 U	0.005 U	0.005 U	0.006 U	100 U	52 U	5.2 U	5.7 U
INDENO(1,2,3-CD)PYRENE	0.01 U	0.026 U	0.005 U	0.005 U	0.006 U	44 J	9.2 J	1.4 J	2.1 J
NAPHTHALENE	0.01 U	0.026 U	0.005 U	0.005 U	0.006 U	100 U	52 U	5.2 U	5.7 U
PHENANTHRENE	0.01 U	0.026 U	0.005 U	0.005 U	0.006 U	100 U	52 U	5.2 U	0.67 J
PYRENE	0.01 U	0.026 U	0.005 U	0.005 U	0.0019 J	15 J	3.8 J	0.46 J	1.6 J

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B055	C3S023B055	C3S023B055	C3S023B055	C3S023B056	C3S023B056	C3S023B056	C3S023B056	C3S023B057
Sample Code	C0591343	C0591344	C0591345	C0591346	C0591347	C0591348	C0591349	C0591350	C0591351
Sampling Date	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003
Sampling Depth (feet bgs)	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	0.58 J	5.1 U	5.2 U	5.8 U	0.34 J	0.53 J	5.4 UJ	10	21 U
ACENAPHTHENE	5.1 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	5.4 UJ	5.3 U	21 U
ACENAPHTHYLENE	5.1 U	5.1 U	5.2 U	5.8 U	5.2 U	1.4 J	5.4 UJ	5.3 U	21 U
ANTHRACENE	5.1 U	5.1 U	5.2 U	5.8 U	0.65 J	2.1 J	0.48 J	0.66 J	2.7 J
BENZ(A)ANTHRACENE	1.5 J	0.47 J	0.36 J	1.6 J	5 J	8.8	1 J	2.5 J	11 J
BENZO(A)PYRENE	9.9	1.2 J	5.2 U	2.2 J	6.2 J	16 J	1.9 J	3.1 J	23
BENZO(B)FLUORANTHENE	2.2 J	1.7 J	0.58 J	3.5 J	12 J	24 J	3.9 J	4.9 J	55
BENZO(G,H,I)PERYLENE	19.	5.1 U	5.2 U	5.8 U	8 UJ	20 J	6.3 UJ	5.3 U	45
BENZO(K)FLUORANTHENE	1.4 J	1.1 J	5.2 U	1.9 J	8.4 J	20 J	3 J	3.3 J	27
CHRYSENE	4.7 J	0.79 J	5.2 U	2.4 J	6.9	16	2.9 J	3.4 J	37
DIBENZ(A,H)ANTHRACENE	2.3 J	5.1 U	5.2 U	0.75 J	1.8 J	4.4 J	0.85 J	0.48 J	6.5 J
FLUORANTHENE	5.1 U	5.1 U	5.2 U	3.1 J	8.1	23	3.9 J	7	33
FLUORENE	5.1 U	5.1 U	5.2 U	5.8 U	5.2 U	5.2 U	5.4 UJ	5.3 U	21 U
INDENO(1,2,3-CD)PYRENE	11	2.8 J	0.76 J	4.6 J	5.2 J	12 J	2.8 J	2.4 J	23
NAPHTHALENE	1.1 J	5.1 U	5.2 U	5.8 U	5.2 U	0.47 J	5.4 UJ	13	21 U
PHENANTHRENE	5.2	5.1 U	5.2 U	0.57 J	2.6 J	9.3	1.4 J	2.9 J	5 J
PYRENE	2.5 J	0.4 J	5.2 U	4.1 J	10	26	3.8 J	7.9	41

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B057	C3S023B057	C3S023B057	C3S023B058	C3S023B058	C3S023B058	C3S023B058	C3S023B059	C3S023B059
Sample Code	C0591353	C0591354	C0591355	C0591356	C0591357	C0591358	C0591359	C0591360	C0591361
Sampling Date	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003
Sampling Depth (feet bgs)	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8	0 - 0.5	.5 - 2
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte									
2-METHYLNAPHTHALENE	2.5 J	5.2 U	5.5 U	1.8 J	1.4 J	5.2 U	5.5 U	5.2 U	5.2 U
ACENAPHTHENE	21 U	5.2 U	5.5 U	21 U	9.3 J	5.2 U	5.5 U	5.2 U	5.2 U
ACENAPHTHYLENE	6.5 J	5.2 U	5.5 U	7.5 J	9.4 J	5.2 U	5.5 U	5.2 U	5.2 U
ANTHRACENE	16 J	5.2 U	0.78 J	12 J	29	5.2 U	5.5 U	5.2 U	5.2 U
BENZ(A)ANTHRACENE	54	5.2 U	4.7 J	86	64	5.2 U	1.1 J	1.1 J	0.32 J
BENZO(A)PYRENE	100 J	5.2 U	9	150 J	88 J	5.2 U	1.6 J	1.8 J	0.46 J
BENZO(B)FLUORANTHENE	240 J	5.2 U	17	360 J	220 J	5.2 UJ	4.1 J	3.1 J	5.2 UJ
BENZO(G,H,I)PERYLENE	170 J	5.2 U	6.3 U	180 J	120 J	5.2 U	5.5 U	1.4 J	5.2 U
BENZO(K)FLUORANTHENE	140 J	5.2 U	11	240 J	180 J	5.2 U	3 J	2.4 J	5.2 U
CHRYSENE	150	5.2 U	11	290	200	5.2 U	3 J	2.4 J	0.62 J
DIBENZ(A,H)ANTHRACENE	26 J	5.2 U	1.4 J	31 J	25 J	5.2 U	0.49 J	0.34 J	5.2 U
FLUORANTHENE	230	5.2 U	4.3 J	460	590	5.2 U	4.6 J	3.1 J	5.2 U
FLUORENE	21 U	5.2 U	5.5 U	21 U	11 J	5.2 U	5.5 U	5.2 U	5.2 U
INDENO(1,2,3-CD)PYRENE	120 J	5.2 U	5.1 J	130 J	75 J	5.2 U	2.2 J	1.6 J	5.2 U
NAPHTHALENE	2.9 J	5.2 U	5.5 U	1.6 J	1.8 J	5.2 U	5.5 U	5.2 U	5.2 U
PHENANTHRENE	82	5.2 U	1 J	85	280	5.2 U	1.2 J	0.99 J	5.2 U
PYRENE	220	5.2 U	5.7	410	480	5.2 U	4.9 J	3.1 J	5.2 U

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-156: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	C3S023B059	C3S023B059	C3S023B060	C3S023B060	C3S023B060	C3S023B060
Sample Code	C0591363	C0591364	C0591365	C0591366	C0591367	C0591368
Sampling Date	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003	8/1/2003
Sampling Depth (feet bgs)	2 - 4	4 - 8	0 - 0.5	.5 - 2	2 - 4	4 - 8
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY	PAH STUDY
Analyte						
2-METHYLNAPHTHALENE	5.3 U	5.9 U	110 U	5.4 U	7 U	5.3 U
ACENAPHTHENE	5.3 U	5.9 U	110 U	5.4 U	7 U	5.3 U
ACENAPHTHYLENE	5.3 U	5.9 U	110 U	5.4 U	7 U	5.3 U
ANTHRACENE	5.3 U	5.9 U	110 U	5.4 U	7 U	5.3 U
BENZ(A)ANTHRACENE	5.3 U	3.4 J	53 J	0.68 J	0.68 J	1 J
BENZO(A)PYRENE	0.53 J	5.1 J	68 J	1.7 J	7 U	2.7 J
BENZO(B)FLUORANTHENE	5.3 UJ	8.2 J	110 J	1.7 J	7 UJ	1.9 J
BENZO(G,H,I)PERYLENE	5.3 U	6.4	140	2.1 J	7 U	2.2 J
BENZO(K)FLUORANTHENE	5.3 U	8.2	49 J	0.84 J	7 U	1.4 J
CHRYSENE	0.46 J	4.3 J	89 J	2.6 J	1.1 J	1.2 J
DIBENZ(A,H)ANTHRACENE	5.3 U	1.6 J	28 J	0.26 J	7 U	0.23 J
FLUORANTHENE	5.3 U	3.1 J	62 J	1.5 J	7 U	1.8 J
FLUORENE	5.3 U	5.9 U	110 U	5.4 U	7 U	5.3 U
INDENO(1,2,3-CD)PYRENE	5.3 U	6.5	68 J	1.3 J	7 U	2.1 J
NAPHTHALENE	5.3 U	5.9 U	110 U	5.4 U	7 U	5.3 U
PHENANTHRENE	5.3 U	0.62 J	24 J	0.7 J	7 U	0.51 J
PYRENE	5.3 U	5 J	79 J	1.9 J	7 U	3 J

Notes:

MG/KG Milligrams per kilogram

UG/KG Micrograms per kilogram

TABLE E-157: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	B10B-04	B10B-04	B10B-04	B10B-06	B10B-06	B10B-06
Sample Code	280-S10B-001	280-S10B-002	280-S10B-003	280-S10B-008	280-S10B-009	280-S10B-010
Sampling Date	8/19/1994	8/19/1994	8/19/1994	8/19/1994	8/19/1994	8/19/1994
Sampling Depth (feet bgs)	.5 - 1.5	2 - 3	5 - 6	.5 - 1.5	2.5 - 3.5	5 - 6
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte						
1,1,1-TRICHLOROETHANE	11 U	11 U	12 U	11 U	12 U	12 U
1,1,2,2-TETRACHLOROETHANE	11 U	11 U	12 U	11 U	12 U	12 U
1,1,2-TRICHLOROETHANE	11 U	11 U	12 U	11 U	12 U	12 U
1,1-DICHLOROETHANE	11 U	11 U	12 U	11 U	12 U	12 U
1,1-DICHLOROETHENE	11 U	11 U	12 U	11 U	12 U	12 U
1,2,4-TRIMETHYLBENZENE						
1,2-DICHLOROBENZENE						
1,2-DICHLOROETHANE	11 U	11 U	12 U	11 U	12 U	12 U
1,2-DICHLOROETHENE (TOTAL)	11 U	11 U	12 U	11 U	12 U	12 U
1,2-DICHLOROPROPANE	11 U	11 U	12 U	11 U	12 U	12 U
1,3,5-TRIMETHYLBENZENE						
1,3-DICHLOROBENZENE						
1,4-DICHLOROBENZENE						
2-BUTANONE	11 U	11 U	12 U	11 U	12 U	12 U
2-CHLOROETHYLVINYLETHER						
2-HEXANONE	11 U	11 U	12 U	11 U	12 U	12 U
4-METHYL-2-PENTANONE	11 U	11 U	12 U	11 U	12 U	12 U
ACETONE	11 UJ	11 UJ	12 UJ	11 UJ	12 UJ	12 UJ
BENZENE	11 U	11 U	12 U	11 U	12 U	12 U
BROMODICHLOROMETHANE	11 U	11 U	12 U	11 U	12 U	12 U
BROMOFORM	11 U	11 U	12 U	11 U	12 U	12 U
BROMOMETHANE	11 U	11 U	12 U	11 U	12 U	12 U
CARBON DISULFIDE	11 U	11 U	12 U	11 U	12 U	12 U
CARBON TETRACHLORIDE	11 U	11 U	12 U	11 U	12 U	12 U
CHLOROBENZENE	11 U	11 U	12 U	11 U	12 U	12 U
CHLOROETHANE	11 UJ	11 UJ	12 UJ	11 UJ	12 U	12 U
CHLOROFORM	11 U	11 U	12 U	11 U	12 U	12 U
CHLOROMETHANE	11 UJ	11 UJ	12 UJ	11 UJ	12 UJ	12 UJ
CIS-1,2-DICHLOROETHENE						
CIS-1,3-DICHLOROPROPENE	11 U	11 U	12 U	11 U	12 U	12 U
DIBROMOCHLOROMETHANE	11 U	11 U	12 U	11 U	12 U	12 U
ETHYLBENZENE	11 U	11 U	12 U	11 U	12 U	12 U
HEXANE						
M,P-XYLENE						
METHYLENE CHLORIDE	11 UJ	11 UJ	23 UJ	11 UJ	12 U	12 U
METHYL-T-BUTYL ETHER						
O-XYLENE						
STYRENE	11 U	11 U	12 U	11 U	12 U	12 U
TETRACHLOROETHENE	11 U	11 U	12 U	11 U	12 U	12 U
TOLUENE	11 U	11 U	12 U	11 U	12 U	12 U
TRANS-1,2-DICHLOROETHENE						
TRANS-1,3-DICHLOROPROPENE	11 U	11 U	12 U	11 U	12 U	12 U
TRICHLOROETHENE	11 U	11 U	12 U	11 U	12 U	12 U
TRICHLOROFLUOROMETHANE						
VINYL ACETATE						
VINYL CHLORIDE	11 U	11 U	12 U	11 U	12 U	12 U
XYLENE (TOTAL)	11 U	11 U	12 U	11 U	12 U	12 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-157: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	B10B-07	B10B-07	B10B-07	B410-6	B410-6
Sample Code	280-S10B-011	280-S10B-012	280-S10B-013	B410-6 [2.0-2.5]	B410-6 [5.5-6.0]
Sampling Date	8/19/1994	8/19/1994	8/19/1994	7/8/1990	7/8/1990
Sampling Depth (feet bgs)	.5 - 1.5	2.5 - 3.5	5 - 6	2 - 2.5	5.5 - 6
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	FO 1994	FO 1994	FO 1994	PH 1&2A 1991	PH 1&2A 1991
Analyte					
1,1,1-TRICHLOROETHANE	11 U	11 U	11 U	5 U	6 U
1,1,2,2-TETRACHLOROETHANE	11 U	11 U	11 U	5 U	6 U
1,1,2-TRICHLOROETHANE	11 U	11 U	11 U	5 U	6 U
1,1-DICHLOROETHANE	11 U	11 U	11 U	5 U	6 U
1,1-DICHLOROETHENE	11 U	11 U	11 U	5 U	6 U
1,2,4-TRIMETHYLBENZENE					
1,2-DICHLOROBENZENE				340 U	390 U
1,2-DICHLOROETHANE	11 U	11 U	11 U	5 U	6 U
1,2-DICHLOROETHENE (TOTAL)	11 U	11 U	11 U	5 U	6 U
1,2-DICHLOROPROPANE	11 U	11 U	11 U	5 U	6 U
1,3,5-TRIMETHYLBENZENE					
1,3-DICHLOROBENZENE				340 U	390 U
1,4-DICHLOROBENZENE				340 U	390 U
2-BUTANONE	11 U	11 U	11 U	10 U	12 U
2-CHLOROETHYLVINYLETHER				10 U	12 U
2-HEXANONE	11 U	11 U	11 U	10 U	12 U
4-METHYL-2-PENTANONE	11 U	11 U	11 U	10 U	12 U
ACETONE	11 U	11 UJ	11 UJ	10 UJ	12 UJ
BENZENE	11 U	11 U	11 U	5 U	6 U
BROMODICHLOROMETHANE	11 U	11 U	11 U	5 U	6 U
BROMOFORM	11 U	11 U	11 U	5 U	6 U
BROMOMETHANE	11 U	11 U	11 U	10 U	12 U
CARBON DISULFIDE	11 U	11 U	11 U	5 U	6 U
CARBON TETRACHLORIDE	11 U	11 U	11 U	5 U	6 U
CHLOROBENZENE	11 U	11 U	11 U	5 U	6 U
CHLOROETHANE	11 UJ	11 UJ	11 UJ	10 U	12 U
CHLOROFORM	11 U	11 U	11 U	5 U	6 U
CHLOROMETHANE	11 UJ	11 UJ	11 UJ	10 U	12 U
CIS-1,2-DICHLOROETHENE					
CIS-1,3-DICHLOROPROPENE	11 U	11 U	11 U	5 U	6 U
DIBROMOCHLOROMETHANE	11 U	11 U	11 U	5 U	6 U
ETHYLBENZENE	11 U	11 U	11 U	5 U	6 U
HEXANE					
M,P-XYLENE					
METHYLENE CHLORIDE	11 UJ	40 UJ	11 UJ	10 UJ	13 UJ
METHYL-T-BUTYL ETHER					
O-XYLENE					
STYRENE	11 U	11 U	11 U	5 U	6 U
TETRACHLOROETHENE	11 U	11 U	11 U	5 U	6 U
TOLUENE	11 U	11 U	11 U	38	28
TRANS-1,2-DICHLOROETHENE					
TRANS-1,3-DICHLOROPROPENE	11 U	11 U	11 U	5 U	6 U
TRICHLOROETHENE	11 U	11 U	11 U	5 U	6 U
TRICHLOROFLUOROMETHANE				5 U	6 U
VINYL ACETATE				10 U	12 U
VINYL CHLORIDE	11 U	11 U	11 U	10 U	12 U
XYLENE (TOTAL)	11 U	11 U	11 U	5 U	6 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-157: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	B410-6	B410-6	B410-6	BOR-12	BOR-12
Sample Code	B410-6 [8.5-9.0]	B410-6 [11.0-11.5]	B410-6 [13.0-13.5]	BOR-12 [3.5-4.0]	BOR-12 [8.5-9.0]
Sampling Date	7/8/1990	7/8/1990	7/8/1990	7/18/1990	7/18/1990
Sampling Depth (feet bgs)	8.5 - 9	11 - 11.5	13 - 13.5	3.5 - 4	8.5 - 9
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
1,1,1-TRICHLOROETHANE	6 U	6 U	6 U	5 U	6 U
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	6 U	5 U	6 U
1,1,2-TRICHLOROETHANE	6 U	6 U	6 U	5 U	6 U
1,1-DICHLOROETHANE	6 U	6 U	6 U	5 U	6 U
1,1-DICHLOROETHENE	6 U	6 U	6 U	5 U	6 U
1,2,4-TRIMETHYLBENZENE					
1,2-DICHLOROBENZENE	400 U	410 U	840 U	5 U	6 U
1,2-DICHLOROETHANE	6 U	6 U	6 U	5 U	6 U
1,2-DICHLOROETHENE (TOTAL)	6 U	6 U	6 U	5 U	6 U
1,2-DICHLOROPROPANE	6 U	6 U	6 U	5 U	6 U
1,3,5-TRIMETHYLBENZENE					
1,3-DICHLOROBENZENE	400 U	410 U	840 U	5 U	6 U
1,4-DICHLOROBENZENE	400 U	410 U	840 U	5 U	6 U
2-BUTANONE	12 U	12 UJ	13 UJ	10 U	6 UJ
2-CHLOROETHYLVINYLETHER	12 U	12 U	13 U	10 U	12 U
2-HEXANONE	12 U	12 U	13 U	10 U	12 U
4-METHYL-2-PENTANONE	12 U	12 U	13 U	10 U	12 U
ACETONE	12 UJ	22 UJ	20 UJ	17 UJ	37 UJ
BENZENE	6 U	6 U	6 U	5 U	6 U
BROMODICHLOROMETHANE	6 U	6 U	6 U	5 U	6 U
BROMOFORM	6 U	6 U	6 U	5 U	6 U
BROMOMETHANE	12 U	12 U	13 U	10 U	12 U
CARBON DISULFIDE	6 U	6 U	6 UJ	5 U	6 U
CARBON TETRACHLORIDE	6 U	6 U	6 U	5 U	6 U
CHLOROBENZENE	6 U	6 U	6 U	5 U	6 U
CHLOROETHANE	12 U	12 U	13 U	10 U	12 U
CHLOROFORM	6 U	6 U	6 U	5 U	6 U
CHLOROMETHANE	12 U	12 U	13 U	10 U	12 U
CIS-1,2-DICHLOROETHENE					
CIS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	5 U	6 U
DIBROMOCHLOROMETHANE	6 U	6 U	6 U	5 U	6 U
ETHYLBENZENE	6 U	6 U	6 U	5 U	6 U
HEXANE					
M,P-XYLENE					
METHYLENE CHLORIDE	13 UJ	15 UJ	15 UJ	10 UJ	45 UJ
METHYL-T-BUTYL ETHER					
O-XYLENE					
STYRENE	6 U	6 U	6 U	5 U	6 U
TETRACHLOROETHENE	6 U	6 U	6 U	5 U	6 U
TOLUENE	21	23	31	16	13
TRANS-1,2-DICHLOROETHENE					
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	5 U	6 U
TRICHLOROETHENE	6 U	6 U	6 U	5 U	6 U
TRICHLOROFLUOROMETHANE	6 U	6 U	6 U	5 U	6 U
VINYL ACETATE	12 U	12 U	13 U	10 U	12 U
VINYL CHLORIDE	12 U	12 U	13 U	10 U	12 U
XYLENE (TOTAL)	6 U	6 U	6 U	5 U	6 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-157: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-12	BOR-12	BOR-20	BOR-20	BOR-20
Sample Code	BOR-12 [11.0-11.5]	BOR-12 [14.0-14.5]	BOR-20 [3.0-3.5]	BOR-20 [6.0-6.5]	BOR-20 [10.0-10.5]
Sampling Date	7/18/1990	7/18/1990	7/17/1990	7/17/1990	7/17/1990
Sampling Depth (feet bgs)	11 - 11.5	14 - 14.5	3 - 3.5	6 - 6.5	10 - 10.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
1,1,1-TRICHLOROETHANE	9 U	6 U	5 U	6 U	6 U
1,1,2,2-TETRACHLOROETHANE	9 U	6 U	5 U	6 U	6 U
1,1,2-TRICHLOROETHANE	9 U	6 U	5 U	6 U	6 U
1,1-DICHLOROETHANE	9 U	6 U	5 U	6 U	6 U
1,1-DICHLOROETHENE	9 U	6 U	5 U	6 U	6 U
1,2,4-TRIMETHYLBENZENE					
1,2-DICHLOROBENZENE	9 U	6 U	5 U	6 U	6 U
1,2-DICHLOROETHANE	9 U	6 U	5 U	6 U	6 U
1,2-DICHLOROETHENE (TOTAL)	9 U	6 U	5 U	6 U	6 U
1,2-DICHLOROPROPANE	9 U	6 U	5 U	6 U	6 U
1,3,5-TRIMETHYLBENZENE					
1,3-DICHLOROBENZENE	9 U	6 U	5 U	6 U	6 U
1,4-DICHLOROBENZENE	9 U	6 U	5 U	6 U	6 U
2-BUTANONE	21 UJ	12 U	10 UJ	12 U	12 U
2-CHLOROETHYLVINYLETHER	18 U	12 U	10 U	12 U	12 U
2-HEXANONE	18 U	12 U	10 U	12 U	2 J
4-METHYL-2-PENTANONE	18 U	12 U	10 U	12 U	12 U
ACETONE	110 UJ	38 UJ	13 UJ	12 UJ	15 UJ
BENZENE	9 U	6 U	5 U	6 U	6 U
BROMODICHLOROMETHANE	9 U	6 U	5 U	6 U	6 U
BROMOFORM	9 U	6 U	5 U	6 U	6 U
BROMOMETHANE	18 U	12 U	10 U	12 U	12 U
CARBON DISULFIDE	13 UJ	6 U	5 U	6 U	6 U
CARBON TETRACHLORIDE	9 U	6 U	5 U	6 U	6 U
CHLOROBENZENE	9 U	6 U	5 U	6 U	6 U
CHLOROETHANE	18 U	12 U	10 U	12 U	12 U
CHLOROFORM	9 U	6 U	5 U	6 U	6 U
CHLOROMETHANE	18 U	12 U	10 U	12 U	12 U
CIS-1,2-DICHLOROETHENE					
CIS-1,3-DICHLOROPROPENE	9 U	6 U	5 U	6 U	6 U
DIBROMOCHLOROMETHANE	9 U	6 U	5 U	6 U	6 U
ETHYLBENZENE	9 U	6 U	5 U	6 U	6 U
HEXANE					
M,P-XYLENE					
METHYLENE CHLORIDE	160	63 UJ	8 UJ	19 UJ	20 UJ
METHYL-T-BUTYL ETHER					
O-XYLENE					
STYRENE	9 U	6 U	5 U	6 U	6 U
TETRACHLOROETHENE	9 U	6 U	5 U	6 U	6 U
TOLUENE	230	9	15	4 J	2 J
TRANS-1,2-DICHLOROETHENE					
TRANS-1,3-DICHLOROPROPENE	9 U	6 U	5 U	6 U	6 U
TRICHLOROETHENE	9 U	6 U	5 U	6 U	6 U
TRICHLOROFLUOROMETHANE	9 U	6 U	5 U	6 U	6 U
VINYL ACETATE	18 U	12 U	10 U	12 U	12 U
VINYL CHLORIDE	18 U	12 U	10 U	12 U	12 U
XYLENE (TOTAL)	9 U	6 U	5 U	6 U	6 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-157: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-20	BOR-22	BOR-22	BOR-22	BOR-22
Sample Code	BOR-20 [11.5-12.0]	BOR-22 [2.5-3.0]	BOR-22 [7.5-8.0]	BOR-22 [11.0-11.5]	BOR-22 [14.0-14.5]
Sampling Date	7/17/1990	7/23/1990	7/23/1990	7/23/1990	7/23/1990
Sampling Depth (feet bgs)	11.5 - 12	2.5 - 3	7.5 - 8	11 - 11.5	14 - 14.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
1,1,1-TRICHLOROETHANE	6 U	6 U	6 U	7 U	6 U
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	6 U	7 U	6 U
1,1,2-TRICHLOROETHANE	6 U	6 U	6 U	7 U	6 U
1,1-DICHLOROETHANE	6 U	6 U	6 U	7 U	6 U
1,1-DICHLOROETHENE	6 U	6 U	6 U	7 U	6 U
1,2,4-TRIMETHYLBENZENE					
1,2-DICHLOROBENZENE	6 U				
1,2-DICHLOROETHANE	6 U	6 U	6 U	7 U	6 U
1,2-DICHLOROETHENE (TOTAL)	6 U	6 U	6 U	7 U	6 U
1,2-DICHLOROPROPANE	6 U	6 U	6 U	7 U	6 U
1,3,5-TRIMETHYLBENZENE					
1,3-DICHLOROBENZENE	6 U				
1,4-DICHLOROBENZENE	6 U				
2-BUTANONE	12 U	12 U	12 U	15 U	12 U
2-CHLOROETHYLVINYLETHER	12 U				
2-HEXANONE	12 U	12 U	12 U	15 U	12 U
4-METHYL-2-PENTANONE	12 U	6 U	6 U	7 U	6 U
ACETONE	13 UJ	12 U	12 U	15 U	12 U
BENZENE	6 U	6 U	6 U	7 U	6 U
BROMODICHLOROMETHANE	6 U	6 U	6 U	7 U	6 U
BROMOFORM	6 U	6 U	6 U	7 U	6 U
BROMOMETHANE	12 U	12 U	12 U	15 U	12 U
CARBON DISULFIDE	6 UJ	6 U	6 U	7 U	6 U
CARBON TETRACHLORIDE	6 U	6 U	6 U	7 U	6 U
CHLOROBENZENE	6 U	6 U	6 U	7 U	6 U
CHLOROETHANE	12 U	12 U	12 U	15 U	12 U
CHLOROFORM	6 U	6 U	6 U	7 U	6 U
CHLOROMETHANE	12 U	12 U	12 U	15 U	12 U
CIS-1,2-DICHLOROETHENE					
CIS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	7 U	6 U
DIBROMOCHLOROMETHANE	6 U	6 U	6 U	7 U	6 U
ETHYLBENZENE	6 U	6 U	6 U	7 U	6 U
HEXANE					
M,P-XYLENE					
METHYLENE CHLORIDE	15 UJ	19 UJ	14 UJ	28 UJ	15 UJ
METHYL-T-BUTYL ETHER					
O-XYLENE					
STYRENE	6 U	6 U	6 U	7 U	6 U
TETRACHLOROETHENE	6 U	6 U	6 U	7 U	6 U
TOLUENE	2 J	17	21	140	6
TRANS-1,2-DICHLOROETHENE					
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	7 U	6 U
TRICHLOROETHENE	6 U	6 U	6 U	7 U	6 U
TRICHLOROFLUOROMETHANE	6 U				
VINYL ACETATE	12 U	12 U	12 U	15 U	12 U
VINYL CHLORIDE	12 U	12 U	12 U	15 U	12 U
XYLENE (TOTAL)	6 U	6 U	6 U	7 U	6 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-157: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-23	BOR-23	BOR-23	BOR-23	BOR-25
Sample Code	BOR-23 [3.0-3.5]	BOR-23 [8.5-9.0]	BOR-23 [11.0-11.5]	BOR-23 [14.5-15.0]	BOR-25 [2.5-3.0]
Sampling Date	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990
Sampling Depth (feet bgs)	3 - 3.5	8.5 - 9	11 - 11.5	14.5 - 15	2.5 - 3
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
1,1,1-TRICHLOROETHANE	5 U	6 U	9 U	6 U	5 U
1,1,2,2-TETRACHLOROETHANE	5 U	6 U	9 U	6 U	5 U
1,1,2-TRICHLOROETHANE	5 U	6 U	9 U	6 U	5 U
1,1-DICHLOROETHANE	5 U	6 U	9 U	6 U	5 U
1,1-DICHLOROETHENE	5 U	6 U	9 U	6 U	5 U
1,2,4-TRIMETHYLBENZENE					
1,2-DICHLOROBENZENE	5 U	6 U	9 U	6 U	5 U
1,2-DICHLOROETHANE	5 U	6 U	9 U	6 U	5 U
1,2-DICHLOROETHENE (TOTAL)	5 U	6 U	5 J	6 U	5 U
1,2-DICHLOROPROPANE	5 U	6 U	9 U	6 U	5 U
1,3,5-TRIMETHYLBENZENE					
1,3-DICHLOROBENZENE	5 U	6 U	9 U	6 U	5 U
1,4-DICHLOROBENZENE	5 U	6 U	9 U	6 U	5 U
2-BUTANONE	11 U	12 UJ	26 UJ	12 U	11 U
2-CHLOROETHYLVINYLETHER	11 U	12 U	19 U	12 U	11 U
2-HEXANONE	11 U	12 U	19 U	12 U	11 U
4-METHYL-2-PENTANONE	11 U	12 U	19 U	12 U	11 U
ACETONE	11 UJ	45 UJ	85 UJ	17 UJ	63 UJ
BENZENE	5 U	6 U	9 U	6 U	5 U
BROMODICHLOROMETHANE	5 U	6 U	9 U	6 U	5 U
BROMOFORM	5 U	6 U	9 U	6 U	5 U
BROMOMETHANE	11 U	12 U	19 U	12 U	11 U
CARBON DISULFIDE	5 U	6 U	11 UJ	6 U	5 U
CARBON TETRACHLORIDE	5 U	6 U	9 U	6 U	5 U
CHLOROBENZENE	5 U	6 U	9 U	6 U	5 U
CHLOROETHANE	11 U	12 U	19 U	12 U	11 U
CHLOROFORM	5 U	6 U	9 U	6 U	5 U
CHLOROMETHANE	11 U	12 U	19 U	12 U	11 U
CIS-1,2-DICHLOROETHENE					
CIS-1,3-DICHLOROPROPENE	5 U	6 U	9 U	6 U	5 U
DIBROMOCHLOROMETHANE	5 U	6 U	9 U	6 U	5 U
ETHYLBENZENE	5 U	6 U	9 U	6 U	5 U
HEXANE					
M,P-XYLENE					
METHYLENE CHLORIDE	7 UJ	7 UJ	22 UJ	12 UJ	14 UJ
METHYL-T-BUTYL ETHER					
O-XYLENE					
STYRENE	5 U	6 U	9 U	6 U	5 U
TETRACHLOROETHENE	5 U	6 U	9 U	6 U	5 U
TOLUENE	41	12	130	10	34
TRANS-1,2-DICHLOROETHENE					
TRANS-1,3-DICHLOROPROPENE	5 U	6 U	9 U	6 U	5 U
TRICHLOROETHENE	5 U	6 U	9 U	6 U	5 U
TRICHLOROFLUOROMETHANE	5 U	6 U	9 U	6 U	5 U
VINYL ACETATE	11 U	12 U	19 U	12 U	11 U
VINYL CHLORIDE	11 U	12 U	19 U	12 U	11 U
XYLENE (TOTAL)	5 U	6 U	9 U	6 U	5 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-157: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-25	BOR-25	BOR-25	BOR-26	BOR-26
Sample Code	BOR-25 [6.5-7.0]	BOR-25 [11.0-11.5]	BOR-25 [14.0-14.5]	BOR-26 [5.5-6.0]	BOR-26 [10.0-10.5]
Sampling Date	7/20/1990	7/20/1990	7/20/1990	7/24/1990	7/24/1990
Sampling Depth (feet bgs)	6.5 - 7	11 - 11.5	14 - 14.5	5.5 - 6	10 - 10.5
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
1,1,1-TRICHLOROETHANE	6 U	6 U	6 U	6 U	6 U
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	6 U	6 U	6 U
1,1,2-TRICHLOROETHANE	6 U	6 U	6 U	6 U	6 U
1,1-DICHLOROETHANE	6 U	6 U	6 U	6 U	6 U
1,1-DICHLOROETHENE	6 U	6 U	6 U	6 U	6 U
1,2,4-TRIMETHYLBENZENE					
1,2-DICHLOROBENZENE	6 U	6 U	6 U	6 U	6 U
1,2-DICHLOROETHANE	6 U	6 U	6 U	6 U	6 U
1,2-DICHLOROETHENE (TOTAL)	6 U	6 U	6 U	6 U	6 U
1,2-DICHLOROPROPANE	6 U	6 U	6 U	6 U	6 U
1,3,5-TRIMETHYLBENZENE					
1,3-DICHLOROBENZENE	6 U	6 U	6 U	6 U	6 U
1,4-DICHLOROBENZENE	6 U	6 U	6 U	6 U	6 U
2-BUTANONE	12 UJ	12 UJ	12 U	12 UJ	12 U
2-CHLOROETHYLVINYLETHER	12 U	12 U	12 U	12 U	12 U
2-HEXANONE	12 U	12 U	12 U	12 U	12 U
4-METHYL-2-PENTANONE	12 U	12 U	12 U	12 U	12 U
ACETONE	38 UJ	15 UJ	24 UJ	12 UJ	27 UJ
BENZENE	6 U	6 U	6 U	6 U	6 U
BROMODICHLOROMETHANE	6 U	6 U	6 U	6 U	6 U
BROMOFORM	6 U	6 U	6 U	6 U	6 U
BROMOMETHANE	12 U	12 U	12 U	12 U	12 U
CARBON DISULFIDE	6 U	6 U	6 U	6 U	6 U
CARBON TETRACHLORIDE	6 U	6 U	6 U	6 U	6 U
CHLOROBENZENE	6 U	6 U	6 U	6 U	6 U
CHLOROETHANE	12 U	12 U	12 U	12 U	12 U
CHLOROFORM	6 U	6 U	6 U	6 U	6 U
CHLOROMETHANE	12 U	12 U	12 U	12 U	12 U
CIS-1,2-DICHLOROETHENE					
CIS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	6 U	6 U
DIBROMOCHLOROMETHANE	6 U	6 U	6 U	6 U	6 U
ETHYLBENZENE	6 U	6 U	6 U	6 U	6 U
HEXANE					
M,P-XYLENE					
METHYLENE CHLORIDE	8 UJ	9 UJ	14 UJ	6 UJ	6 UJ
METHYL-T-BUTYL ETHER					
O-XYLENE					
STYRENE	6 U	6 U	6 U	6 U	6 U
TETRACHLOROETHENE	6 U	6 U	6 U	6 U	6 U
TOLUENE	17	20	11	4 J	6 U
TRANS-1,2-DICHLOROETHENE					
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	6 U	6 U
TRICHLOROETHENE	6 U	6 U	6 U	6 U	6 U
TRICHLOROFLUOROMETHANE	6 U	6 U	6 U	6 U	6 U
VINYL ACETATE	12 U	12 U	12 U	12 U	12 U
VINYL CHLORIDE	12 U	12 U	12 U	12 U	12 U
XYLENE (TOTAL)	6 U	6 U	6 U	6 U	6 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-157: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-26	BOR-27	BOR-27	BOR-27	BOR-27
Sample Code	BOR-26 [13.0-13.5]	BOR-27 [2.5-3.0]	BOR-27 [7.0-7.5]	BOR-27 [10.0-10.5]	BOR-27 [12.5-13.0]
Sampling Date	7/24/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990
Sampling Depth (feet bgs)	13 - 13.5	2.5 - 3	7 - 7.5	10 - 10.5	12.5 - 13
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
1,1,1-TRICHLOROETHANE	6 U	5 U	6 U	6 U	9 U
1,1,2,2-TETRACHLOROETHANE	6 U	5 U	6 U	6 U	9 U
1,1,2-TRICHLOROETHANE	6 U	5 U	6 U	6 U	9 U
1,1-DICHLOROETHANE	6 U	5 U	6 U	6 U	9 U
1,1-DICHLOROETHENE	6 U	5 U	6 U	6 U	9 U
1,2,4-TRIMETHYLBENZENE					
1,2-DICHLOROBENZENE	6 U	5 U	6 U	6 U	9 U
1,2-DICHLOROETHANE	6 U	5 U	6 U	6 U	9 U
1,2-DICHLOROETHENE (TOTAL)	6 U	5 U	6 U	6 U	9 U
1,2-DICHLOROPROPANE	6 U	5 U	6 U	6 U	9 U
1,3,5-TRIMETHYLBENZENE					
1,3-DICHLOROBENZENE	6 U	5 U	6 U	6 U	9 U
1,4-DICHLOROBENZENE	6 U	5 U	6 U	6 U	9 U
2-BUTANONE	12 UJ	11 U	12 U	12 U	18 UJ
2-CHLOROETHYLVINYLETHER	12 U	11 U	12 U	12 U	18 U
2-HEXANONE	12 U	11 U	12 U	12 U	18 U
4-METHYL-2-PENTANONE	12 U	11 U	12 U	12 U	18 U
ACETONE	19 UJ	18 UJ	21 UJ	32 UJ	140 UJ
BENZENE	6 U	5 U	6 U	6 U	9 U
BROMODICHLOROMETHANE	6 U	5 U	6 U	6 U	9 U
BROMOFORM	6 U	5 U	6 U	6 U	9 U
BROMOMETHANE	12 U	11 U	12 U	12 U	18 U
CARBON DISULFIDE	6 U	5 U	6 U	6 U	9 UJ
CARBON TETRACHLORIDE	6 U	5 U	6 U	6 U	9 U
CHLOROBENZENE	6 U	5 U	6 U	6 U	9 U
CHLOROETHANE	12 U	11 U	12 U	12 U	18 U
CHLOROFORM	6 U	5 U	6 U	6 U	9 U
CHLOROMETHANE	12 U	11 U	12 U	12 U	18 U
CIS-1,2-DICHLOROETHENE					
CIS-1,3-DICHLOROPROPENE	6 U	5 U	6 U	6 U	9 U
DIBROMOCHLOROMETHANE	6 U	5 U	6 U	6 U	9 U
ETHYLBENZENE	6 U	5 U	6 U	6 U	9 U
HEXANE					
M,P-XYLENE					
METHYLENE CHLORIDE	6 UJ	10 UJ	13 UJ	15 UJ	32 UJ
METHYL-T-BUTYL ETHER					
O-XYLENE					
STYRENE	6 U	5 U	6 U	6 U	9 U
TETRACHLOROETHENE	6 U	5 U	6 U	6 U	9 U
TOLUENE	9	95	8	5 J	74
TRANS-1,2-DICHLOROETHENE					
TRANS-1,3-DICHLOROPROPENE	6 U	5 U	6 U	6 U	9 U
TRICHLOROETHENE	6 U	5 U	6 U	6 U	9 U
TRICHLOROFLUOROMETHANE	6 U	5 U	6 U	6 U	9 U
VINYL ACETATE	12 U	11 U	12 U	12 U	18 U
VINYL CHLORIDE	12 U	11 U	12 U	12 U	18 U
XYLENE (TOTAL)	6 U	5 U	6 U	6 U	9 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-157: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	M09-05	M09-05	M09-05	M10B-01	M10B-01	M10B-01
Sample Code	280-S09-001	280-S09-002	280-S09-003	280-S10B-134	280-S10B-135	280-S10B-136
Sampling Date	11/5/1994	11/5/1994	11/5/1994	11/5/1994	11/5/1994	11/5/1994
Sampling Depth (feet bgs)	1.5 - 2.5	3 - 4	5 - 6	1 - 2	2 - 3	3 - 4
Units	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte						
1,1,1-TRICHLOROETHANE	11 U	11 U	12 U	10 U	11 U	11 U
1,1,2,2-TETRACHLOROETHANE	11 U	11 U	12 U	10 U	11 U	11 U
1,1,2-TRICHLOROETHANE	11 U	11 U	12 U	10 U	11 U	11 U
1,1-DICHLOROETHANE	11 U	11 U	12 U	10 U	11 U	11 UJ
1,1-DICHLOROETHENE	11 U	11 U	12 U	10 U	11 U	11 U
1,2,4-TRIMETHYLBENZENE						
1,2-DICHLOROBENZENE						
1,2-DICHLOROETHANE	11 U	11 U	12 U	10 U	11 U	11 U
1,2-DICHLOROETHENE (TOTAL)	11 U	11 U	12 U	10 U	11 U	11 U
1,2-DICHLOROPROPANE	11 U	11 U	12 U	10 U	11 U	11 U
1,3,5-TRIMETHYLBENZENE						
1,3-DICHLOROBENZENE						
1,4-DICHLOROBENZENE						
2-BUTANONE	11 U	11 U	12 U	10 U	11 U	11 U
2-CHLOROETHYLVINYLETHER						
2-HEXANONE	11 U	11 U	12 U	10 U	11 U	11 U
4-METHYL-2-PENTANONE	11 U	11 U	12 U	10 U	11 U	11 U
ACETONE	11 U	11 U	12 U	10 U	11 U	11 UJ
BENZENE	11 U	11 U	12 U	10 U	11 U	11 U
BROMODICHLOROMETHANE	11 U	11 U	12 U	10 U	11 U	11 U
BROMOFORM	11 U	11 U	12 U	10 U	11 U	11 U
BROMOMETHANE	11 U	11 U	12 U	10 U	11 U	11 U
CARBON DISULFIDE	11 U	11 U	12 U	10 U	11 U	11 U
CARBON TETRACHLORIDE	11 U	11 U	12 U	10 U	11 U	11 U
CHLOROBENZENE	11 U	11 U	12 U	10 U	11 U	11 U
CHLOROETHANE	11 U	11 U	12 U	10 U	11 U	11 UJ
CHLOROFORM	11 U	11 U	12 U	10 U	11 U	11 U
CHLOROMETHANE	11 U	11 U	12 U	10 U	11 U	11 U
CIS-1,2-DICHLOROETHENE						
CIS-1,3-DICHLOROPROPENE	11 U	11 U	12 U	10 U	11 U	11 U
DIBROMOCHLOROMETHANE	11 U	11 U	12 U	10 U	11 U	11 U
ETHYLBENZENE	11 U	11 U	12 U	10 U	11 U	11 U
HEXANE						
M,P-XYLENE						
METHYLENE CHLORIDE	11 UJ	11 UJ	12 UJ	10 UJ	11 UJ	11 UJ
METHYL-T-BUTYL ETHER						
O-XYLENE						
STYRENE	11 U	11 U	12 U	10 U	11 U	11 U
TETRACHLOROETHENE	11 U	11 U	12 U	10 U	11 U	11 U
TOLUENE	11 U	11 U	12 U	10 U	11 U	11 U
TRANS-1,2-DICHLOROETHENE						
TRANS-1,3-DICHLOROPROPENE	11 U	11 U	12 U	10 U	11 U	11 U
TRICHLOROETHENE	11 U	11 U	12 U	10 U	11 U	11 U
TRICHLOROFLUOROMETHANE						
VINYL ACETATE						
VINYL CHLORIDE	11 U	11 U	12 U	10 U	11 U	11 U
XYLENE (TOTAL)	11 U	11 U	12 U	10 U	11 U	11 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-157: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW410-4	MW410-4	MW410-4	MW410-4
Sample Code	MW410-4 [3.0-3.5]	MW410-4 [5.5-6.0]	MW410-4 [8.5-9.0]	MW410-4 [11.5-12.0]
Sampling Date	7/16/1990	7/16/1990	7/16/1990	7/16/1990
Sampling Depth (feet bgs)	3 - 3.5	5.5 - 6	8.5 - 9	11.5 - 12
Units	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte				
1,1,1-TRICHLOROETHANE	5 U	6 U	6 U	6 U
1,1,2,2-TETRACHLOROETHANE	5 U	6 U	6 U	6 U
1,1,2-TRICHLOROETHANE	5 U	6 U	6 U	6 U
1,1-DICHLOROETHANE	5 U	6 U	6 U	6 U
1,1-DICHLOROETHENE	5 U	6 U	6 U	6 U
1,2,4-TRIMETHYLBENZENE				
1,2-DICHLOROBENZENE	5 U	6 U	6 U	6 U
1,2-DICHLOROETHANE	5 U	6 U	6 U	6 U
1,2-DICHLOROETHENE (TOTAL)	5 U	6 U	6 U	6 U
1,2-DICHLOROPROPANE	5 U	6 U	6 U	6 U
1,3,5-TRIMETHYLBENZENE				
1,3-DICHLOROBENZENE	5 U	6 U	6 U	6 U
1,4-DICHLOROBENZENE	5 U	6 U	6 U	6 U
2-BUTANONE	10 U	12 U	13 U	12 U
2-CHLOROETHYLVINYLETHER	10 U	12 U	13 U	12 U
2-HEXANONE	10 U	12 U	13 U	12 U
4-METHYL-2-PENTANONE	10 U	12 U	13 U	12 U
ACETONE	10 UJ	12 UJ	13 UJ	12 UJ
BENZENE	5 U	6 U	6 U	6 U
BROMODICHLOROMETHANE	5 U	6 U	6 U	6 U
BROMOFORM	5 U	6 U	6 U	6 U
BROMOMETHANE	10 U	12 U	13 U	12 U
CARBON DISULFIDE	5 U	6 U	6 U	6 U
CARBON TETRACHLORIDE	5 U	6 U	6 U	6 U
CHLOROBENZENE	5 U	6 U	6 U	6 U
CHLOROETHANE	10 U	12 U	13 U	12 U
CHLOROFORM	5 U	6 U	6 U	6 U
CHLOROMETHANE	10 U	12 U	13 U	12 U
CIS-1,2-DICHLOROETHENE				
CIS-1,3-DICHLOROPROPENE	5 U	6 U	6 U	6 U
DIBROMOCHLOROMETHANE	5 U	6 U	6 U	6 U
ETHYLBENZENE	5 U	6 U	6 U	6 U
HEXANE				
M,P-XYLENE				
METHYLENE CHLORIDE	11 UJ	10 UJ	13 UJ	14 UJ
METHYL-T-BUTYL ETHER				
O-XYLENE				
STYRENE	5 U	6 U	6 U	6 U
TETRACHLOROETHENE	5 U	6 U	6 U	6 U
TOLUENE	7	23	7	10
TRANS-1,2-DICHLOROETHENE				
TRANS-1,3-DICHLOROPROPENE	5 U	6 U	6 U	6 U
TRICHLOROETHENE	5 U	6 U	6 U	6 U
TRICHLOROFLUOROMETHANE	5 U	6 U	6 U	6 U
VINYL ACETATE	10 U	12 U	13 U	12 U
VINYL CHLORIDE	10 U	12 U	13 U	12 U
XYLENE (TOTAL)	5 U	6 U	6 U	6 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-157: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW410-4	MW530-1	MW530-1	MW530-1
Sample Code	MW410-4 [14.5-15.0]	MW530-1 [2.5-3.0]	MW530-1 [6.0-6.5]	MW530-1 [8.5-9.0]
Sampling Date	7/16/1990	7/13/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	14.5 - 15	2.5 - 3	6 - 6.5	8.5 - 9
Units	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte				
1,1,1-TRICHLOROETHANE	7 U	6 U	6 U	30 U
1,1,2,2-TETRACHLOROETHANE	7 U	6 U	6 U	30 U
1,1,2-TRICHLOROETHANE	7 U	6 U	6 U	30 U
1,1-DICHLOROETHANE	7 U	6 U	6 U	30 U
1,1-DICHLOROETHENE	7 U	6 U	6 U	30 U
1,2,4-TRIMETHYLBENZENE				
1,2-DICHLOROBENZENE	7 U			
1,2-DICHLOROETHANE	7 U	12 U	12 U	61 U
1,2-DICHLOROETHENE (TOTAL)	7 U	6 U	6 U	30 U
1,2-DICHLOROPROPANE	7 U	6 U	6 U	30 U
1,3,5-TRIMETHYLBENZENE				
1,3-DICHLOROBENZENE	7 U			
1,4-DICHLOROBENZENE	7 U			
2-BUTANONE	13 UJ	6 U	6 U	30 U
2-CHLOROETHYLVINYLETHER	13 U			
2-HEXANONE	13 U	12 U	12 U	61 U
4-METHYL-2-PENTANONE	13 U	12 U	12 U	61 U
ACETONE	19 UJ	12 U	30 UJ	91 UJ
BENZENE	7 U	6 U	6 U	30 U
BROMODICHLOROMETHANE	7 U	6 U	6 U	30 U
BROMOFORM	7 U	6 U	6 U	30 U
BROMOMETHANE	13 U	12 U	12 U	61 U
CARBON DISULFIDE	7 UJ	6 U	6 U	30 U
CARBON TETRACHLORIDE	7 U	6 U	6 U	30 U
CHLOROBENZENE	7 U	6 U	6 U	30 U
CHLOROETHANE	13 U	12 U	12 U	61 U
CHLOROFORM	7 U	6 U	6 U	30 U
CHLOROMETHANE	13 U	12 U	12 U	61 U
CIS-1,2-DICHLOROETHENE				
CIS-1,3-DICHLOROPROPENE	7 U	6 U	6 U	30 U
DIBROMOCHLOROMETHANE	7 U	6 U	6 U	30 U
ETHYLBENZENE	7 U	6 U	6 U	36
HEXANE				
M,P-XYLENE				
METHYLENE CHLORIDE	17 UJ	6 U	6 U	53 UJ
METHYL-T-BUTYL ETHER				
O-XYLENE				
STYRENE	7 U	6 U	6 U	30 U
TETRACHLOROETHENE	7 U	6 U	6 U	30 U
TOLUENE	7	77	8	38
TRANS-1,2-DICHLOROETHENE				
TRANS-1,3-DICHLOROPROPENE	7 U	6 U	6 U	30 U
TRICHLOROETHENE	7 U	6 U	6 U	30 U
TRICHLOROFLUOROMETHANE	7 U			
VINYL ACETATE	13 U	12 U	12 U	61 U
VINYL CHLORIDE	13 U	12 U	12 U	61 U
XYLENE (TOTAL)	7 U	6 U	6 U	170

Notes:

UG/KG Micrograms per kilogram

TABLE E-157: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-1	MW530-1	MW530-2	MW530-2
Sample Code	MW530-1 [11.5-12.0]	MW530-1 [13.5-14.0]	MW530-2 [2.0-2.5]	MW530-2 [5.0-5.5]
Sampling Date	7/13/1990	7/13/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	11.5 - 12	13.5 - 14	2 - 2.5	5 - 5.5
Units	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte				
1,1,1-TRICHLOROETHANE		7 U	6 U	5 U
1,1,2,2-TETRACHLOROETHANE		7 U	6 U	5 U
1,1,2-TRICHLOROETHANE		7 U	6 U	5 U
1,1-DICHLOROETHANE		7 U	6 U	5 U
1,1-DICHLOROETHENE		7 U	6 U	5 U
1,2,4-TRIMETHYLBENZENE				
1,2-DICHLOROBENZENE				
1,2-DICHLOROETHANE		14 U	12 U	11 U
1,2-DICHLOROETHENE (TOTAL)		7 U	6 U	5 U
1,2-DICHLOROPROPANE		7 U	6 U	5 U
1,3,5-TRIMETHYLBENZENE				
1,3-DICHLOROBENZENE				
1,4-DICHLOROBENZENE				
2-BUTANONE		7 U	6 U	5 U
2-CHLOROETHYLVINYLETHER				
2-HEXANONE		14 U	12 U	11 U
4-METHYL-2-PENTANONE		14 U	12 U	11 U
ACETONE	1500 U	14 U	12 U	11 U
BENZENE		7 U	6 U	5 U
BROMODICHLOROMETHANE		7 U	6 U	5 U
BROMOFORM		7 U	6 U	5 U
BROMOMETHANE		14 U	12 U	11 U
CARBON DISULFIDE		7 U	6 U	5 U
CARBON TETRACHLORIDE		7 U	6 U	5 U
CHLOROBENZENE		7 U	6 U	5 U
CHLOROETHANE		14 U	12 U	11 U
CHLOROFORM		7 U	6 U	5 U
CHLOROMETHANE		14 U	12 U	11 U
CIS-1,2-DICHLOROETHENE				
CIS-1,3-DICHLOROPROPENE		7 U	6 U	5 U
DIBROMOCHLOROMETHANE		7 U	6 U	5 U
ETHYLBENZENE	6200	7 U	6 U	5 U
HEXANE				
M,P-XYLENE				
METHYLENE CHLORIDE	1800	11 UJ	6 UJ	5 UJ
METHYL-T-BUTYL ETHER				
O-XYLENE				
STYRENE		7 U	6 U	5 U
TETRACHLOROETHENE		7 U	6 U	5 U
TOLUENE	750 U	140	72	5 U
TRANS-1,2-DICHLOROETHENE				
TRANS-1,3-DICHLOROPROPENE		7 U	6 U	5 U
TRICHLOROETHENE		7 U	6 U	5 U
TRICHLOROFLUOROMETHANE				
VINYL ACETATE		14 U	12 U	11 U
VINYL CHLORIDE		14 U	12 U	11 U
XYLENE (TOTAL)	12000	11	6 U	5 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-157: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-2	MW530-2	MW530-2	MW530-3
Sample Code	MW530-2 [8.0-8.5]	MW530-2 [11.0-11.5]	MW530-2 [14.0-14.5]	MW530-3 [2.0-2.5]
Sampling Date	7/13/1990	7/13/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	8 - 8.5	11 - 11.5	14 - 14.5	2 - 2.5
Units	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte				
1,1,1-TRICHLOROETHANE	6 U	6 U	5 U	29 U
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	5 U	29 U
1,1,2-TRICHLOROETHANE	6 U	6 U	5 U	29 U
1,1-DICHLOROETHANE	6 U	6 U	5 U	29 U
1,1-DICHLOROETHENE	6 U	6 U	5 U	29 U
1,2,4-TRIMETHYLBENZENE				
1,2-DICHLOROBENZENE				
1,2-DICHLOROETHANE	12 U	12 U	10 U	59 U
1,2-DICHLOROETHENE (TOTAL)	6 U	6 U	5 U	29 U
1,2-DICHLOROPROPANE	6 U	6 U	5 U	29 U
1,3,5-TRIMETHYLBENZENE				
1,3-DICHLOROBENZENE				
1,4-DICHLOROBENZENE				
2-BUTANONE	6 U	6 U	5 U	29 U
2-CHLOROETHYLVINYLETHER				
2-HEXANONE	12 U	12 U	10 U	59 U
4-METHYL-2-PENTANONE	12 U	12 U	10 U	59 U
ACETONE	12 U	18 UJ	10 U	59 U
BENZENE	6 U	6 U	5 U	29 U
BROMODICHLOROMETHANE	6 U	6 U	5 U	29 U
BROMOFORM	6 U	6 U	5 U	29 U
BROMOMETHANE	12 U	12 U	10 U	59 U
CARBON DISULFIDE	6 U	6 U	5 U	29 U
CARBON TETRACHLORIDE	6 U	6 U	5 U	29 U
CHLOROBENZENE	6 U	6 U	5 U	29 U
CHLOROETHANE	12 U	12 U	10 U	59 U
CHLOROFORM	6 U	6 U	5 U	29 U
CHLOROMETHANE	12 U	12 U	10 U	59 U
CIS-1,2-DICHLOROETHENE				
CIS-1,3-DICHLOROPROPENE	6 U	6 U	5 U	29 U
DIBROMOCHLOROMETHANE	6 U	6 U	5 U	29 U
ETHYLBENZENE	6 U	6 U	5 U	29 U
HEXANE				
M,P-XYLENE				
METHYLENE CHLORIDE	11 UJ	7 UJ	6 UJ	29 U
METHYL-T-BUTYL ETHER				
O-XYLENE				
STYRENE	6 U	6 U	5 U	29 U
TETRACHLOROETHENE	6 U	6 U	5 U	29 U
TOLUENE	8	10	31	1100
TRANS-1,2-DICHLOROETHENE				
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	5 U	29 U
TRICHLOROETHENE	6 U	6 U	5 U	29 U
TRICHLOROFLUOROMETHANE				
VINYL ACETATE	12 U	12 U	10 U	59 U
VINYL CHLORIDE	12 U	12 U	10 U	59 U
XYLENE (TOTAL)	6 U	6 U	5 U	29 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-157: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-3	MW530-3	MW530-3	MW530-3
Sample Code	MW530-3 [4.0-4.5]	MW530-3 [7.0-7.5]	MW530-3 [10.0-10.5]	MW530-3 [11.5-12.0]
Sampling Date	7/13/1990	7/13/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	4 - 4.5	7 - 7.5	10 - 10.5	11.5 - 12
Units	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte				
1,1,1-TRICHLOROETHANE	6 U	6 U		6 U
1,1,2,2-TETRACHLOROETHANE	6 U	6 U		6 U
1,1,2-TRICHLOROETHANE	6 U	6 U		6 U
1,1-DICHLOROETHANE	6 U	6 U		6 U
1,1-DICHLOROETHENE	6 U	6 U		6 U
1,2,4-TRIMETHYLBENZENE				
1,2-DICHLOROBENZENE				
1,2-DICHLOROETHANE	11 U	12 U		12 U
1,2-DICHLOROETHENE (TOTAL)	6 U	6 U		6 U
1,2-DICHLOROPROPANE	6 U	6 U		6 U
1,3,5-TRIMETHYLBENZENE				
1,3-DICHLOROBENZENE				
1,4-DICHLOROBENZENE				
2-BUTANONE	6 U	6 U		6 U
2-CHLOROETHYLVINYLETHER				
2-HEXANONE	11 U	12 U		12 U
4-METHYL-2-PENTANONE	11 U	12 U		12 U
ACETONE	11 U	12 U	18	12 U
BENZENE	6 U	6 U		6 U
BROMODICHLOROMETHANE	6 U	6 U		6 U
BROMOFORM	6 U	6 U		6 U
BROMOMETHANE	11 U	12 U		12 U
CARBON DISULFIDE	6 U	6 U		6 U
CARBON TETRACHLORIDE	6 U	6 U		6 U
CHLOROBENZENE	6 U	6 U		6 U
CHLOROETHANE	11 U	12 U		12 U
CHLOROFORM	6 U	6 U		6 U
CHLOROMETHANE	11 U	12 U		12 U
CIS-1,2-DICHLOROETHENE				
CIS-1,3-DICHLOROPROPENE	6 U	6 U		6 U
DIBROMOCHLOROMETHANE	6 U	6 U		6 U
ETHYLBENZENE	6 U	6 U	6 U	6 U
HEXANE				
M,P-XYLENE				
METHYLENE CHLORIDE	7 UJ	6 U	7	9 UJ
METHYL-T-BUTYL ETHER				
O-XYLENE				
STYRENE	6 U	6 U		6 U
TETRACHLOROETHENE	6 U	6 U		6 U
TOLUENE	6 U	30	22	6 U
TRANS-1,2-DICHLOROETHENE				
TRANS-1,3-DICHLOROPROPENE	6 U	6 U		6 U
TRICHLOROETHENE	6 U	6 U		6 U
TRICHLOROFLUOROMETHANE				
VINYL ACETATE	11 U	12 U		12 U
VINYL CHLORIDE	11 U	12 U		12 U
XYLENE (TOTAL)	6 U	6 U	6 U	6 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-157: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MWOR-5	MWOR-5	MWOR-5	MWOR-5
Sample Code	MWOR-5 [14.5-15.0]	MWOR-5 [7.0-7.5]	MWOR-5 [10.0-10.5]	MWOR-5 [12.5-13.0]
Sampling Date	7/18/1990	7/18/1990	7/18/1990	7/18/1990
Sampling Depth (feet bgs)	14.5 - 15	7 - 7.5	10 - 10.5	12.5 - 13
Units	UG/KG	UG/KG	UG/KG	UG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte				
1,1,1-TRICHLOROETHANE		6 U	6 U	6 U
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	6 U	6 U
1,1,2-TRICHLOROETHANE	6 U	6 U	6 U	6 U
1,1-DICHLOROETHANE	6 U	6 U	6 U	6 U
1,1-DICHLOROETHENE	6 U	6 U	6 U	6 U
1,2,4-TRIMETHYLBENZENE				
1,2-DICHLOROBENZENE	6 U	6 U	6 U	6 U
1,2-DICHLOROETHANE	6 U	6 U	6 U	6 U
1,2-DICHLOROETHENE (TOTAL)	6 U	6 U	6 U	6 U
1,2-DICHLOROPROPANE	6 U	6 U	6 U	6 U
1,3,5-TRIMETHYLBENZENE				
1,3-DICHLOROBENZENE	6 U	6 U	6 U	6 U
1,4-DICHLOROBENZENE	6 U	6 U	6 U	6 U
2-BUTANONE	12 U	12 U	12 U	12 U
2-CHLOROETHYLVINYLETHER	12 U	12 U	12 U	12 U
2-HEXANONE	12 U	12 U	12 U	12 U
4-METHYL-2-PENTANONE	12 U	12 U	12 U	12 U
ACETONE	27 UJ	18 UJ	21 UJ	12 UJ
BENZENE	6 U	6 U	6 U	6 U
BROMODICHLOROMETHANE	6 U	6 U	6 U	6 U
BROMOFORM	6 U	6 U	6 U	6 U
BROMOMETHANE	12 U	12 U	12 U	12 U
CARBON DISULFIDE	6 U	6 U	6 U	6 U
CARBON TETRACHLORIDE	6 U	6 U	6 U	6 U
CHLOROBENZENE	6 U	6 U	6 U	6 U
CHLOROETHANE	12 U	12 U	12 U	12 U
CHLOROFORM	6 U	6 U	6 U	6 U
CHLOROMETHANE	12 U	12 U	12 U	12 U
CIS-1,2-DICHLOROETHENE				
CIS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	6 U
DIBROMOCHLOROMETHANE	6 U	6 U	6 U	6 U
ETHYLBENZENE	6 U	6 U	6 U	6 U
HEXANE				
M,P-XYLENE				
METHYLENE CHLORIDE	13 UJ	10 UJ	10 UJ	13 UJ
METHYL-T-BUTYL ETHER				
O-XYLENE				
STYRENE	6 U	6 U	6 U	6 U
TETRACHLOROETHENE	6 U	6 U	6 U	6 U
TOLUENE	6 U	11	6 U	2 J
TRANS-1,2-DICHLOROETHENE				
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	6 U
TRICHLOROETHENE	6 U	6 U	6 U	6 U
TRICHLOROFLUOROMETHANE	6 U	6 U	6 U	6 U
VINYL ACETATE	12 U	12 U	12 U	12 U
VINYL CHLORIDE	12 U	12 U	12 U	12 U
XYLENE (TOTAL)	6 U	6 U	6 U	6 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-158: SITE 23 TOTAL METALS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	S23-DGS-DP01	M09-05	M09-05	M09-05	S16-69	S16-70	S16-71	B410-6	B410-6
Sample Code	385-S23-001	280-S09-001	280-S09-002	280-S09-003	280-S16-015	280-S16-016	280-S16-017	B410-6 [0.5-1.0]	B410-6 [3.5-4.0]
Sampling Date	8/1/2001	11/5/1994	11/5/1994	11/5/1994	7/15/1994	7/15/1994	7/14/1994	7/8/1990	7/11/1990
Sampling Depth (feet bgs)	1 - 1.5	1.5 - 2.5	3 - 4	5 - 6	0 - 0	0 - 0	0 - 0	.5 - 1	3.5 - 4
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	DGS	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	PH 1&2A 1991	PH 1&2A 1991
Analyte									
ALUMINUM		4410	4490	4550	4430	4670	3310	4540	4150
ANTIMONY		0.74 UJ	0.69 UJ	0.89 J	0.52 UJ	0.93 UJ	0.59 UJ	2.9 U	2.9 U
ARSENIC		0.84 J	0.71 U	0.92 J	1.5 UJ	1.4 UJ	0.96 UJ	4.2	4.3
BARIUM		38.4 J	38.8 J	50.7	32.3 J	30.5 J	27 J	38 JB	18.8 JB
BERYLLIUM		0.22 J	0.21 U	0.23 U	0.22 U	0.27 U	0.22 U	0.17 B	0.13 B
CADMIUM		0.07 U	0.06 U	0.07 U	0.08 U	10	0.18 J	0.22 B	0.22 B
CALCIUM		4340	2940	4700	2480	2670	2050	5710	2220
CHROMIUM	76.9	30.2 J	25.7 J	25.8 J	23.8	58.9	21.9	37.3	29.1
COBALT		5.5 J	5 J	5.2 J	4.4 UJ	4.5 UJ	3.7 UJ	4.2 B	4.4 B
COPPER		5 J	4.7 J	5.4 J	6.2 UJ	12.5 UJ	5.4 UJ	5.3	5.9
IRON		8720	8650	8760	7120	7710	5630	7340	6830
LEAD	12.5	1.3	1.4	2.6	2.6 J	85.8 J	3 J	3.5 U	3.5 U
MAGNESIUM		2060	2090	2120	2050	2210	1650	2150	2120
MANGANESE		100	99.2	107	96.7	93.9	75	92.8	83
MERCURY		0.17 U	0.16 U	0.17 U	0.16 UJ	0.19 UJ	0.16 UJ		
MOLYBDENUM		2.8 U	2.6 U	2.9 U	2.8 U	3.4 U	2.8 U	0.31 U	0.31 U
NICKEL		19.1	22.9	20.6	21.2	24.9	15.6	23.5	23
POTASSIUM		619 J	570 J	872 J	570 UJ	620 UJ	425 UJ	638 B	582 B
SELENIUM		0.67 U	0.63 U	0.69 U	0.56 U	0.67 U	0.55 U	5.2 U	5.2 U
SILVER		0.31 U	0.29 U	0.32 U	0.19 U	0.22 U	0.18 U	0.38 B	0.38 U
SODIUM		254 J	264 J	318 J	96.7 UJ	96.8 UJ	69 UJ	272 B	200 B
THALLIUM		0.52 U	0.48 U	0.53 U	0.41 U	0.5 U	0.4 U	3.3 U	3.3 B
TITANIUM								419	413
VANADIUM		24.3	23.6	21.6	19.5	21.8	13.8	18.8	17.7
ZINC		17.8	17.8	19.5	21.6	46.2	16.6 U	21.5 J	22.9 J

Notes:

MG/KG Milligrams per kilogram

TABLE E-158: SITE 23 TOTAL METALS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	B410-6	B410-6	B410-6	B410-6	B410-6	BOR-12	BOR-12
Sample Code	B410-6 [4.0-4.5]	B410-6 [8.0-8.5]	B410-6 [10.0-10.5]	B410-6 [12.5-13.0]	B410-6 [14.5-15.0]	BOR-12 [0.5-1.0]	BOR-12 [4.0-4.5]
Sampling Date	7/8/1990	7/8/1990	7/8/1990	7/8/1990	7/8/1990	7/18/1990	7/18/1990
Sampling Depth (feet bgs)	4 - 4.5	8 - 8.5	10 - 10.5	12.5 - 13	14.5 - 15	.5 - 1	4 - 4.5
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
ALUMINUM	4400	4260	4090	10900	6200	4190	4190
ANTIMONY	3 U	3.5 U	3.3 U	4.3 U	3.5 U	4.8	4.5
ARSENIC	2.6	3.4	2.2 U	6.5	3.4	2.5 U	2.6
BARIUM	23.3 JB	23.6 JB	36.8 JB	61.9	57.1	82.5	39.4
BERYLLIUM	0.13 B	0.11 B	0.1 B	0.48 B	0.2 B	0.2 U	0.2 U
CADMIUM	0.19 U	0.22 U	0.23 B	0.64 B	0.22 U	0.4	0.2 U
CALCIUM	2430	2130	1940	3590	1600	9970	3610
CHROMIUM	30.4	29.9	31	57	41.3	28.4	30.9
COBALT	4.2 B	3.7 B	3.8 B	9.8 B	5.7 B	4.1	3.8
COPPER	4.5 B	5.8 B	5 B	18.7	9.5	39.1	11.6
IRON	6950	6940	6770	18300	11200	7290	6840
LEAD	3.6 U	4.1 U	4 U	8.8	4.2 U	6.7	5.3 U
MAGNESIUM	2110	1980	1950	5380	2890	26.6	2250
MANGANESE	83	80.4	85.7	267	125	159	81.3
MERCURY							
MOLYBDENUM	0.32 U	0.37 U	0.35 U	0.45 U	0.37 U	1 U	1.1 U
NICKEL	22.3	21.6	21.9	56	38.5	25.9	24.7
POTASSIUM	573 B	620 B	622 B	1840	1070 B	910	690
SELENIUM	5.3 U	6.1 U	5.8 U	7.5 U	6.2 U	4.3 U	4.4 U
SILVER	0.39 U	0.44 U	0.42 U	0.54 U	0.45 U	0.6 U	0.6 U
SODIUM	166 B	219 B	478 B	2420 J	1620 J	392	494
THALLIUM	3.4 U	3.9 U	3.7 U	4.7 U	3.9 U	2.7 U	2.7 U
TITANIUM	428	404	353	517	312	268	383
VANADIUM	17.5	17.6	17.7	35.2	20.6	15.7	16.6
ZINC	22.1 J	25.3 J	21.9 J	54.4	28.3	41.9	25.5

Notes:

MG/KG Milligrams per kilogram

TABLE E-158: SITE 23 TOTAL METALS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-12	BOR-12	BOR-12	BOR-20	BOR-20	BOR-20	BOR-20
Sample Code	BOR-12 [10.0-10.5]	BOR-12 [11.5-12.0]	BOR-12 [14.5-15.0]	BOR-20 [2.5-3.0]	BOR-20 [5.0-5.5]	BOR-20 [7.0-7.5]	BOR-20 [11.5-12.0]
Sampling Date	7/18/1990	7/18/1990	7/18/1990	7/17/1990	7/17/1990	7/17/1990	7/17/1990
Sampling Depth (feet bgs)	10 - 10.5	11.5 - 12	14.5 - 15	2.5 - 3	5 - 5.5	7 - 7.5	11.5 - 12
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
ALUMINUM	11400	8710	7440	4130	4300	4570	3190
ANTIMONY	7.4	6	4.6	2.6	3	4.8	3.1
ARSENIC	3 U	6.1	2.9 U	2.5 U	2.8 U	2.9 U	2.9 U
BARIUM	77	46.8	56.4	23.9	31.9	22.1	15.2
BERYLLIUM	0.3	0.3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
CADMIUM	0.4	0.4	0.3	0.3	0.2 U	0.2	0.3
CALCIUM	2870	5840	1560	5370	3300	2120	1330
CHROMIUM	53.9	40.7	37.4	38.3	29.7	30.3	24.1
COBALT	7.6	10.9	3.7	3.1	4.1	3.9	4
COPPER	36	30.1	20.6	16	15.7	5.5	5.5
IRON	15200	14500	10800	7440	7790	7580	6580
LEAD	9.1	31	6 U	7.6	5.8 U	6 U	6.1 U
MAGNESIUM	4850	3940	2620	1610	2230	2150	1980
MANGANESE	158	184	86	90.7	97.6	84.4	78.5
MERCURY							
MOLYBDENUM	1.2 U	1.2 U	1.2 U	1 U	1.2 U	1.2 U	1.2 U
NICKEL	43.6	51.4	37.1	20	23.2	23.7	25.5
POTASSIUM	1600	1400	980	570	700	760	580
SELENIUM	5.2 U	5.2 U	5 U	4.3 U	4.9 U	5 U	5.1 U
SILVER	0.7 U	0.7 U	0.7 U	0.6 U	0.7 U	0.7 U	0.7 U
SODIUM	2060	1320	519	212	317	531	461
THALLIUM	3.2 U	3.2 U	3.1 U	2.7 U	3 U	3.1 U	3.1 U
TITANIUM	557	377	430	462	416	429	244
VANADIUM	32.4	27.7	21.7	18.6	17.3	17.1	14.1
ZINC	53	73.8	36.7	25.3	30.4	22.1	21.5

Notes:

MG/KG Milligrams per kilogram

TABLE E-158: SITE 23 TOTAL METALS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-20	BOR-22	BOR-22	BOR-22	BOR-22	BOR-22	BOR-23
Sample Code	BOR-20 [14.5-15.0]	BOR-22 [0.5-1.0]	BOR-22 [3.5-4.0]	BOR-22 [8.0-8.5]	BOR-22 [11.5-12.0]	BOR-22 [14.5-15.0]	BOR-23 [1.0-1.5]
Sampling Date	7/17/1990	7/23/1990	7/23/1990	7/23/1990	7/23/1990	7/23/1990	7/20/1990
Sampling Depth (feet bgs)	14.5 - 15	.5 - 1	3.5 - 4	8 - 8.5	11.5 - 12	14.5 - 15	1 - 1.5
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
ALUMINUM	4170	12300	5720	5810	28800	10400	3080
ANTIMONY	3.7	6.9 U	6.4 U	7.7 U	10 U	7.1 U	2.4
ARSENIC	4.8	12 U	11 U	13 U	17 U	12 U	2.5 U
BARIUM	17.9	200	31	29	81	83	
BERYLLIUM	0.2 U	1.2 U	1.1 U	1.3 U	1.7 U	1.2 U	0.2 U
CADMIUM	0.5	1.2 U	1.1 U	1.3 U	1.7 U	1.2 U	0.3
CALCIUM	3570	9000	3600	3100	7100	2400	1720
CHROMIUM	23.5	28	31	30	89	47	23.4
COBALT	4.6	6.4	5.3 U	6.4 U	15	6.8	3.1
COPPER	12.4	110	5.4	13	36	9.5	8.6
IRON	8270	14400	8070	8190	37000	14400	6010
LEAD	8.6	7.4	5.3 U	22	19	5.9 U	5.1 U
MAGNESIUM	2230	3900	2400	2400	10000	3700	1560
MANGANESE	94	230	93	94	500	230	95.8
MERCURY							
MOLYBDENUM	1.2 U	5.8 U	5.3 U	6.4 U	8.5 U	5.9 U	1 U
NICKEL	23.9	25	23	23	91	48	21.3
POTASSIUM	970	2400	850	910	3700	1600	390
SELENIUM	5.1 U	12 U	11 U	13 U	26	12 U	4.3 U
SILVER	0.7 U	5.8 U	5.3 U	6.4 U	8.5 U	5.9 U	0.6 U
SODIUM	715	580 U	530 U	640 U	3300	1200	130
THALLIUM	3.2 U	12 U	11 U	13 U	17 U	12 U	2.7 U
TITANIUM	229	879	627	580	964	534	256
VANADIUM	15.5	32	22	22	70	28	14.8
ZINC	29.2	72	17	21	94	28	24.1

Notes:

MG/KG Milligrams per kilogram

TABLE E-158: SITE 23 TOTAL METALS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-23	BOR-23	BOR-23	BOR-23	BOR-25	BOR-25	BOR-25
Sample Code	BOR-23 [3.5-4.0]	BOR-23 [9.0-9.5]	BOR-23 [11.5-12.0]	BOR-23 [15.0-15.5]	BOR-25 [0.5-1.0]	BOR-25 [3.5-4.0]	BOR-25 [7.0-7.5]
Sampling Date	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990
Sampling Depth (feet bgs)	3.5 - 4	9 - 9.5	11.5 - 12	15 - 15.5	.5 - 1	3.5 - 4	7 - 7.5
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
ALUMINUM	5320	6440	12400	7550	3470	3470	4200
ANTIMONY	2.4 U	2.5	5.8	2.6	2.1 U	2.1 U	2.5
ARSENIC	3.1	5.6	4.9	2.9 U	2.5 U	2.5 U	3.3
BARIUM		48.1	63.1				24.8
BERYLLIUM	0.2 U	0.2 U	0.3	0.2 U	0.2 U	0.2 U	0.2 U
CADMIUM	0.5	0.5	0.6	0.4	0.2 U	0.2	0.3
CALCIUM	28800	2740	3820	2190	2010	1720	9270
CHROMIUM	35.5	38.5	59.2	46.3	29.3	29.1	33.1
COBALT	5.1	7.5	11	7	2.8	3.2	3.8
COPPER	18.6	14.2	29.7	11.3	8.5	65.4	7.1
IRON	9630	12500	22400	14100	6550	6340	7560
LEAD	15.3	6.1 U	18.6	6.1 U	5.2 U	5.2 U	5.9 U
MAGNESIUM	2880	4050	6130	3700	1900	1710	2180
MANGANESE	213	180	310	210	96.6	102	89.8
MERCURY							
MOLYBDENUM	1.2 U	1.2 U	1.2 U	1.2 U	1 U	1 U	1.2 U
NICKEL	32	40.4	64.6	47.9	22.5	22.6	22.8
POTASSIUM	830	1100	2000	1100	460	480	590
SELENIUM	4.9 U	5.1 U	5.1 U	5.1 U	4.3 U	4.4 U	5 U
SILVER	0.7 U	0.7 U	0.7 U	0.7 U	0.6 U	0.6 U	0.7 U
SODIUM	477	647	1670	768	305	456	426
THALLIUM	3.1 U	3.2 U	3.2 U	3.2 U	2.7 U	2.7 U	3.1 U
TITANIUM	298	328	420	440	295	273	451
VANADIUM	21.2	22.1	36.1	24.3	16	15.3	18.8
ZINC	38.6	45.2	70.2	38	20.7	46.6	24.6

Notes:

MG/KG Milligrams per kilogram

TABLE E-158: SITE 23 TOTAL METALS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-25	BOR-25	BOR-26	BOR-26	BOR-26	BOR-26	BOR-26
Sample Code	BOR-25 [11.5-12.0]	BOR-25 [14.5-15.0]	BOR-26 [1.0-1.5]	BOR-26 [2.5-3.0]	BOR-26 [6.0-6.5]	BOR-26 [10.5-11.0]	BOR-26 [13.5-14.0]
Sampling Date	7/20/1990	7/20/1990	7/24/1990	7/24/1990	7/24/1990	7/24/1990	7/24/1990
Sampling Depth (feet bgs)	11.5 - 12	14.5 - 15	1 - 1.5	2.5 - 3	6 - 6.5	10.5 - 11	13.5 - 14
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
ALUMINUM	4700	7860	4210	4720	4150	4310	9520
ANTIMONY	2.4 U	2.5 U	6.4 U	6.7 U	7.2 U	7.2 U	7.4 U
ARSENIC	2.9 U	3.6	11 U	11 U	12 U	12 U	12 U
BARIUM	37	65.2	32	49	24 U	24 U	66
BERYLLIUM	0.2 U	0.3 U	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U
CADMIUM	0.3	0.3 U	1.1 U	4.1	1.2 U	1.2 U	1.2 U
CALCIUM	1900	1940	1900	2900	1900	1500	2000
CHROMIUM	31.3	39.9	27	46	24	24	39
COBALT	4.2	5.8	5.3 U	5.6 U	6.1 U	6 U	6.1 U
COPPER	13.5	13.3	5.3 U	17	8.3	6.9	22
IRON	8700	13800	6890	15700	7300	7140	16600
LEAD	8.9	6.4 U	5.3 U	120	6.1 U	6 U	6.1 U
MAGNESIUM	2480	3760	2100	2300	2000	2000	4200
MANGANESE	102	109	88	220	120	82	130
MERCURY							
MOLYBDENUM	1.2 U	1.3 U	5.3 U	5.6 U	6.1 U	6 U	6.1 U
NICKEL	28	45.6	22	29	24	22	48
POTASSIUM	870	1400	630	790	630	630	1600
SELENIUM	5.1 U	5.3 U	11 U	11 U	12 U	12 U	12 U
SILVER	0.7 U	0.8 U	5.3 U	5.6 U	6.1 U	6 U	6.1 U
SODIUM	618	1350	530 U	560 U	600 U	600 U	1200
THALLIUM	3.2 U	3.3 U	11 U	11 U	12 U	12 U	12 U
TITANIUM	386	446	360	300	340	280	470
VANADIUM	17.7	23.8	16	17	17	16	27
ZINC	28.2	37.2	17	59	19	18	39

Notes:

MG/KG Milligrams per kilogram

TABLE E-158: SITE 23 TOTAL METALS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-27	BOR-27	BOR-27	BOR-27	BOR-27	MW410-4	MW410-4
Sample Code	BOR-27 [1.0-1.5]	BOR-27 [3.0-3.5]	BOR-27 [7.5-8.0]	BOR-27 [10.5-11.0]	BOR-27 [13.0-13.5]	MW410-4 [1.0-1.5]	MW410-4 [4.0-4.5]
Sampling Date	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/12/1990	7/12/1990
Sampling Depth (feet bgs)	1 - 1.5	3 - 3.5	7.5 - 8	10.5 - 11	13 - 13.5	1 - 1.5	4 - 4.5
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
ALUMINUM	3810	3770	4230	4090	14000	3300	2940
ANTIMONY	2.1 U	2.1 U	2.4 U	2.4 U	5	2 U	2.1 U
ARSENIC	3.7	2.5 U	2.9 U	2.9 U	9.5	2.4 U	2.5 U
BARIUM	46.7	31.9	27.8	25.4	61.4	108	19.9
BERYLLIUM	0.2 U	0.2 U	0.2 U	0.2 U	0.4	0.2 U	0.2 U
CADMIUM	0.4	0.3	0.3	0.2 U	1	0.2 U	0.2 U
CALCIUM	2600	10 U	2410	1920	5240	9970	1860
CHROMIUM	27.9	32.6	34.6	29.3	64.3	23.4	22.5
COBALT	4	3.2	3.9	3.7	12.4	3.6	3.3
COPPER	25.5	8.8	9	10.9	85.5	10.7	6.1
IRON	6960	6750	7490	7250	25000	5600	5420
LEAD	5.2 U	5.2 U	6 U	6 U	14.7	5.1 U	5.2 U
MAGNESIUM	2100	1950	2000	2260	7620	1840	1640
MANGANESE	92.8	90.1	95.9	88.3	327	74.1	69.8
MERCURY							
MOLYBDENUM	1 U	1 U	1.2 U	1.2 U	1.6 U	1 U	1 U
NICKEL	22.5	21	23.9	24	76	18.9	18.5
POTASSIUM	640	470	630	750	2400	460	390
SELENIUM	4.4 U	4.4 U	5.1 U	5 U	6.8 U	4.3 U	4.4 U
SILVER	0.6 U	0.6 U	0.7 U	0.7 U	1 U	0.6 U	0.6 U
SODIUM	340	314	361	555	2420	252	185
THALLIUM	2.7 U	2.9	3.1 U	3.1 U	4.2 U	2.6 U	2.7 U
TITANIUM	381	377	380	350	366	294	234
VANADIUM	15.9	15.7	20	15.5	37.9	14	12.9
ZINC	30.2	23.1	25.2	22.9	101	26.8	19.9

Notes:

MG/KG Milligrams per kilogram

TABLE E-158: SITE 23 TOTAL METALS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW410-4	MW410-4	MW410-4	MW410-4	MW530-1	MW530-1	MW530-1
Sample Code	MW410-4 [6.0-6.5]	MW410-4 [9.0-9.5]	MW410-4 [12.0-12.5]	MW410-4 [15.0-15.5]	MW530-1 [1.0-1.5]	MW530-1 [3.0-3.5]	MW530-1 [6.5-7.0]
Sampling Date	7/12/1990	7/12/1990	7/12/1990	7/12/1990	7/13/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	6 - 6.5	9 - 9.5	12 - 12.5	15 - 15.5	1 - 1.5	3 - 3.5	6.5 - 7
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
ALUMINUM	3960	3370	5170	6160	7000	3710	6200
ANTIMONY	2.5 U	2.4 U	2.4 U	2.6 U	6.3 U	6.3 U	7.1 U
ARSENIC	3 U	2.9 U	2.8 U	4	10 U	11 U	12 U
BARIUM	32.4	16.7	32.3	31.3	88	53	41
BERYLLIUM	0.2 U	0.2 U	0.2 U	0.3 U	1 U	1.1 U	1.2 U
CADMIUM	0.3	0.2 U	0.3	0.3 U	1.2	1.1 U	1.2 U
CALCIUM	2310	1410	2030	6740	9000	5000	3700
CHROMIUM	32.8	23.5	32.8	31.9	23	22	31
COBALT	4.4	3.6	4.7	7	5.6	5.3 U	5.9 U
COPPER	8.9	6.5	10	19.9	23	18	42
IRON	7030	5680	8500	10700	11500	7260	12200
LEAD	6.2 U	6 U	5.9 U	9.8	31	59	15
MAGNESIUM	2140	1770	2520	3030	3200	1900	3200
MANGANESE	86.5	70.6	93.7	144	210	90	110
MERCURY							
MOLYBDENUM	1.2 U	1.2 U	1.2 U	1.3 U	5.2 U	5.3 U	5.9 U
NICKEL	22.1	18.6	27.5	30.2	20	21	38
POTASSIUM	550	500	910	1200	2100	550	1200
SELENIUM	5.2 U	5 U	5 U	5.4 U	10 U	11 U	12 U
SILVER	0.7 U	0.7 U	0.7 U	0.8 U	5.2 U	5.3 U	5.9 U
SODIUM	143	206	555	788	520 U	530 U	770
THALLIUM	3.2 U	3.1 U	3.1 U	3.3 U	10 U	5.3 U	12 U
TITANIUM	418	262	435	403	661	330	400
VANADIUM	18.7	13.1	19.3	22.8	21	16	22
ZINC	24	24.9	30.4	40.6	79	56	48

Notes:

MG/KG Milligrams per kilogram

TABLE E-158: SITE 23 TOTAL METALS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-1	MW530-1	MW530-1	MW530-1	MW530-2	MW530-2	MW530-2
Sample Code	MW530-1 [7.5-8.0]	MW530-1 [9.0-9.5]	MW530-1 [12.0-12.5]	MW530-1 [14.0-14.5]	MW530-2 [0.5-1.0]	MW530-2 [2.5-3.0]	MW530-2 [5.5-6.0]
Sampling Date	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	7.5 - 8	9 - 9.5	12 - 12.5	14 - 14.5	.5 - 1	2.5 - 3	5.5 - 6
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
ALUMINUM	5240	1700	7730	370	4290	3130	3180
ANTIMONY	8 U	7.7 U	7.1 U	7.5 U	6.4 U	6.2 U	6.4 U
ARSENIC	13 U	13 U	12	12 U	11 U	10 U	11 U
BARIUM	42	120	60	64	34	300	21 U
BERYLLIUM	1.3 U	1.3 U	1.2 U	1.2 U	1.1 U	1 U	1.1 U
CADMIUM	1.3 U	1.3 U	1.2 U	1.2 U	1.1 U	1 U	1.1 U
CALCIUM	15000	1400	1700	710	4600	17000	2900
CHROMIUM	23	18	45	6.2 U	26	19	19
COBALT	6.6 U	6.4 U	5.9 U	6.2 U	5.3 U	5.2 U	5.4 U
COPPER	37	24	11	20	29	9.1	7.7
IRON	13100	15500	10700	1500	6890	4860	5210
LEAD	25	15	5.9 U	18	6.4	5.2 U	5.4 U
MAGNESIUM	2200	640 U	2200	620 U	2100	1700	1700
MANGANESE	100	13	54	6.2 U	89	80	71
MERCURY							
MOLYBDENUM	6.6 U	6.4 U	5.9 U	6.2 U	5.3 U	5.2 U	5.4 U
NICKEL	25	6.4 U	25	6.2 U	22	17	19
POTASSIUM	750	770	1400	620 U	680	520 U	540 U
SELENIUM	13 U	13 U	12 U	12 U	11 U	10 U	11 U
SILVER	6.6 U	6.4 U	5.9 U	6.2 U	5.3 U	5.2 U	5.4 U
SODIUM	660 U	690	660	620 U	530 U	520 U	540 U
THALLIUM	13 U	13 U	12 U	12 U	11 U	10 U	11 U
TITANIUM	310	2540	420	330	340	290	290
VANADIUM	16	12	42	6.2 U	16	14	13
ZINC	54	19	22	10	31	21	17

Notes:

MG/KG Milligrams per kilogram

TABLE E-158: SITE 23 TOTAL METALS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-2	MW530-2	MW530-2	MW530-2	MW530-3	MW530-3	MW530-3
Sample Code	MW530-2 [8.5-9.0]	MW530-2R [6.0-6.5]	MW530-2 [11.5-12.0]	MW530-2 [14.5-15.0]	MW530-3 [0.5-1.0]	MW530-3 [2.5-3.0]	MW530-3 [5.0-5.5]
Sampling Date	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	8.5 - 9	6 - 6.5	11.5 - 12	14.5 - 15	.5 - 1	2.5 - 3	5 - 5.5
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
ALUMINUM	3720	3930	3400	5700	3350	2880	3800
ANTIMONY	7.6 U	7.3 U	7.1 U	7.5 U	6.4 U	6.3 U	7.2 U
ARSENIC	13 U	12 U	12 U	13 U	11 U	10 U	12 U
BARIUM	25 U	28	24 U	34	47	25	24 U
BERYLLIUM	1.3 U	1.2 U	1.2 U	1.3 U	1.1 U	1 U	1.2 U
CADMIUM	1.3 U	1.2 U	1.2 U	1.3 U	1.1 U	1 U	1.2 U
CALCIUM	1600	2700	1400	2600	9900	25000	3100
CHROMIUM	20	23	20	28	31	18	23
COBALT	6.3 U	6.1 U	5.9 U	6.3 U	5.3 U	5.2 U	6 U
COPPER	11	32	10	14	14	19	7.5
IRON	6740	7070	6770	10700	5820	4690	6460
LEAD	6.3 U	6.1 U	5.9 U	6.3 U	5.3 U	5.2 U	6 U
MAGNESIUM	2100	2300	1900	3200	1800	1600	1800
MANGANESE	76	82	71	120	82	80	76
MERCURY							
MOLYBDENUM	6.3 U	6.1 U	5.9 U	6.3 U	5.3 U	5.2 U	6 U
NICKEL	23	23	21	31	20	17	19
POTASSIUM	660	690	600	1100	530 U	520 U	600 U
SELENIUM	13 U	12 U	12 U	13 U	11 U	10 U	12 U
SILVER	6.3 U	6.1 U	5.9 U	6.3 U	5.3 U	5.2 U	6 U
SODIUM	680	610 U	1000	2400	600	550	600 U
THALLIUM	13 U	12 U	12 U	13 U	11 U	10 U	12 U
TITANIUM	330	320	280	320	280	280	360
VANADIUM	14	15	13	20	15	12	16
ZINC	20	30	21	30	23	22	17

Notes:

MG/KG Milligrams per kilogram

TABLE E-158: SITE 23 TOTAL METALS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-3	MW530-3	MW530-3	MW530-3	MWOR-5	MWOR-5
Sample Code	MW530-3 [8.0-8.5]	MW530-3R [8.5-9.0]	MW530-3 [10.5-11.0]	MW530-3 [12.5-13.0]	MWOR-5 [1.0-1.5]	MWOR-5 [8.5-9.0]
Sampling Date	7/13/1990	7/13/1990	7/13/1990	7/13/1990	7/19/1990	7/19/1990
Sampling Depth (feet bgs)	8 - 8.5	8.5 - 9	10.5 - 11	12.5 - 13	1 - 1.5	8.5 - 9
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte						
ALUMINUM	4680	3720	17000	6930	21900	14800
ANTIMONY	7.4 U	7.3 U	8.5 U	7.9 U	4.6	4.9
ARSENIC	12 U	12 U	14 U	13 U	2.6 U	8.2
BARIUM	26	24 U	78	37	20.6	142
BERYLLIUM	1.2 U	1.2 U	1.4 U	1.3 U	0.2 U	0.5
CADMIUM	1.2 U	1.2 U	1.4 U	1.3 U	0.5	0.6
CALCIUM	2000	1600	3600	5200	14800	1110
CHROMIUM	27	21	61	29	7.3	48.4
COBALT	6.2 U	6 U	12	6.6 U	13.3	13.2
COPPER	8	6.8	71	26	113	44.1
IRON	7860	6700	26600	11200	25900	27300
LEAD	6.2 U	6 U	18	8.8	5.3 U	22.1
MAGNESIUM	2500	2200	7500	3200	9730	6680
MANGANESE	85	75	300	140	414	759
MERCURY						
MOLYBDENUM	6.2 U	6 U	7.1 U	6.6 U	1.1 U	1.2 U
NICKEL	25	22	71	30	4.7	55.4
POTASSIUM	780	640	2500	1100	590	2500
SELENIUM	12 U	12 U	14 U	13 U	4.5 U	5 U
SILVER	6.2 U	6 U	7.1 U	6.6 U	0.6 U	0.7 U
SODIUM	620 U	600 U	3400	1300	1830	1340
THALLIUM	12 U	12 U	14 U	13 U	2.8 U	3.1 U
TITANIUM	360	310	640	380	581	292
VANADIUM	17	14	48	22	82	37.6
ZINC	22	21	130	41	56.6	78

Notes:

MG/KG Milligrams per kilogram

TABLE E-158: SITE 23 TOTAL METALS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California
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Location	MWOR-5	MWOR-5	MWOR-5
Sample Code	MWOR-5 [10.5-11.0]	MWOR-5 [13.0-13.5]	MWOR-5 [15.0-15.5]
Sampling Date	7/19/1990	7/19/1990	7/19/1990
Sampling Depth (feet bgs)	10.5 - 11	13 - 13.5	15 - 15.5
Units	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte			
ALUMINUM	9820		5660
ANTIMONY	2.5 U	2.4 U	2.4 U
ARSENIC	7.2	3.9	4.5
BARIUM	86.5	71	48.8
BERYLLIUM	0.3	0.2 U	0.2
CADMIUM	0.5	0.2 U	0.2 U
CALCIUM	1200	1480	1640
CHROMIUM	34.8	62.1	34.9
COBALT	7.7	4.4	5.5
COPPER	23.2	24.7	9
IRON	18000	13900	10600
LEAD	22.8	8.7	9.1
MAGNESIUM	4460	3520	2720
MANGANESE	342	123	125
MERCURY			
MOLYBDENUM	1.2 U	1.2 U	1.2 U
NICKEL	38.1	45.9	33.1
POTASSIUM	1900	1200	950
SELENIUM	5.1 U	5 U	4.9 U
SILVER	0.7 U	0.7 U	0.7 U
SODIUM	1010	287	249
THALLIUM	3.2 U	3.1 U	3.1 U
TITANIUM	363	343	386
VANADIUM	28.2	24.2	20.2
ZINC	49.3	41.1	33.2

Notes:
MG/KG Milligrams per kilogram

TABLE E-159: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	B10B-07	B10B-07	B10B-07	M10B-01	M10B-01	M10B-01
Sample Code	280-S10B-011	280-S10B-012	280-S10B-013	280-S10B-134	280-S10B-135	280-S10B-136
Sampling Date	8/19/1994	8/19/1994	8/19/1994	11/5/1994	11/5/1994	11/5/1994
Sampling Depth (feet bgs)	.5 - 1.5	2.5 - 3.5	5 - 6	1 - 2	2 - 3	3 - 4
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte						
BENZENE						
DIESEL RANGE ORGANICS	10 U	10 U	11 U	10 U	11 U	11 U
ETHYLBENZENE						
GASOLINE RANGE ORGANICS	0.53 U	0.53 U	0.57 U	0.52 U	0.53 U	0.53 U
JP5 RANGE ORGANICS	10 U	10 U	11 U	10 U	11 U	11 U
METHYL-T-BUTYL ETHER						
MOTOR OIL RANGE ORGANICS	70 J	71 J	29 U	20 U	21 U	30 J
TOLUENE						
XYLENE (TOTAL)						

Notes:

MG/KG Milligrams per kilogram

TABLE E-160: SITE 23 TOTAL RECOVERABLE PETROLEUM HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

(Page 1 of 3)

Location	BOR-12	BOR-12	BOR-12	BOR-12	BOR-20
Sample Code	BOR-12 [3.5-4.0]	BOR-12 [8.5-9.0]	BOR-12 [11.0-11.5]	BOR-12 [14.0-14.5]	BOR-20 [3.0-3.5]
Sampling Date	7/18/1990	7/18/1990	7/18/1990	7/18/1990	7/17/1990
Sampling Depth (feet bgs)	3.5 - 4	8.5 - 9	11 - 11.5	14 - 14.5	3 - 3.5
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	7.5	1.9 U	24.2	1.9 U	1.7 U

Location	BOR-20	BOR-22	BOR-22	BOR-22	BOR-22
Sample Code	BOR-20 [10.0-10.5]	BOR-22 [2.5-3.0]	BOR-22 [7.5-8.0]	BOR-22 [11.0-11.5]	BOR-22 [14.0-14.5]
Sampling Date	7/17/1990	7/23/1990	7/23/1990	7/23/1990	7/23/1990
Sampling Depth (feet bgs)	10 - 10.5	2.5 - 3	7.5 - 8	11 - 11.5	14 - 14.5
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	2 U	1.7 U	9	16.1	2 U

Location	BOR-23	BOR-23	BOR-23	BOR-25	BOR-25
Sample Code	BOR-23 [8.5-9.0]	BOR-23 [11.0-11.5]	BOR-23 [14.5-15.0]	BOR-25 [2.5-3.0]	BOR-25 [6.5-7.0]
Sampling Date	7/20/1990	7/20/1990	7/20/1990	7/20/1990	7/20/1990
Sampling Depth (feet bgs)	8.5 - 9	11 - 11.5	14.5 - 15	2.5 - 3	6.5 - 7
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	2 U	24.6	2 U	1.7 U	1.9 U

Location	BOR-25	BOR-26	BOR-26	BOR-26	BOR-26
Sample Code	BOR-25 [14.0-14.5]	BOR-26 [1.5-2.0]	BOR-26 [5.5-6.0]	BOR-26 [10.0-10.5]	BOR-26 [13.0-13.5]
Sampling Date	7/20/1990	7/24/1990	7/24/1990	7/24/1990	7/24/1990
Sampling Depth (feet bgs)	14 - 14.5	1.5 - 2	5.5 - 6	10 - 10.5	13 - 13.5
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	2 U	7.3	2 U	2 U	13.9

Notes:

MG/KG Milligrams per kilogram

TABLE E-160: SITE 23 TOTAL RECOVERABLE PETROLEUM HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-20	BOR-27	BOR-27	BOR-27	MW530-1
Sample Code	BOR-20 [6.0-6.5]	BOR-27 [7.0-7.5]	BOR-27 [10.0-10.5]	BOR-27 [12.5-13.0]	MW530-1 [2.5-3.0]
Sampling Date	7/17/1990	7/20/1990	7/20/1990	7/20/1990	7/13/1990
Sampling Depth (feet bgs)	6 - 6.5	7 - 7.5	10 - 10.5	12.5 - 13	2.5 - 3
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	2 U	11.4	2.1	22.2	170

Location	BOR-23	MW530-1	MW530-1	MW530-1	MW530-2
Sample Code	BOR-23 [3.0-3.5]	MW530-1 [8.5-9.0]	MW530-1 [11.5-12.0]	MW530-1 [13.5-14.0]	MW530-2 [2.0-2.5]
Sampling Date	7/20/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	3 - 3.5	8.5 - 9	11.5 - 12	13.5 - 14	2 - 2.5
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	3.2	7460	7560	35.3	31.3

Location	BOR-25	MW530-2	MW530-2	MW530-3	MW530-3
Sample Code	BOR-25 [11.0-11.5]	MW530-2 [11.0-11.5]	MW530-2 [14.0-14.5]	MW530-3 [2.0-2.5]	MW530-3 [4.0-4.5]
Sampling Date	7/20/1990	7/13/1990	7/13/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	11 - 11.5	11 - 11.5	14 - 14.5	2 - 2.5	4 - 4.5
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	2.9	2 U	10.5	39.5	1.9 U

Location	BOR-27	MW530-3	MWOR-5	MWOR-5	MWOR-5
Sample Code	BOR-27 [2.5-3.0]	MW530-3 [11.5-12.0]	MWOR-5 [7.0-7.5]	MWOR-5 [10.0-10.5]	MWOR-5 [12.5-13.0]
Sampling Date	7/20/1990	7/13/1990	7/18/1990	7/18/1990	7/18/1990
Sampling Depth (feet bgs)	2.5 - 3	11.5 - 12	7 - 7.5	10 - 10.5	12.5 - 13
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	251	8.7	5.5	2 U	1.9 U

Notes:

MG/KG Milligrams per kilogram

TABLE E-160: SITE 23 TOTAL RECOVERABLE PETROLEUM HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-1	MW530-1
Sample Code	MW530-1 [5.5-6.0]	MW530-1 [6.0-6.5]
Sampling Date	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	5.5 - 6	6 - 6.5
Units	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991
Analyte		
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	5.2	103

Location	MW530-2	MW530-2
Sample Code	MW530-2 [5.0-5.5]	MW530-2 [8.0-8.5]
Sampling Date	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	5 - 5.5	8 - 8.5
Units	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991
Analyte		
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	1.8 U	2 U

Location	MW530-3	MW530-3
Sample Code	MW530-3 [7.0-7.5]	MW530-3 [10.0-10.5]
Sampling Date	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	7 - 7.5	10 - 10.5
Units	MG/KG	MG/KG
Investigation	PH 1&2A 1991	PH 1&2A 1991
Analyte		
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	2 U	2 U

Location	MWOR-5
Sample Code	MWOR-5 [14.5-15.0]
Sampling Date	7/18/1990
Sampling Depth (feet bgs)	14.5 - 15
Units	MG/KG
Investigation	PH 1&2A 1991
Analyte	
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	2 U

Notes:

MG/KG Milligrams per kilogram

TABLE E-161: SITE 23 GENERAL CHEMISTRY IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	B10B-04	B10B-04	B10B-04	B10B-06	B10B-06	B10B-06	B10B-07	B10B-07
Sample Code	280-S10B-001	280-S10B-002	280-S10B-003	280-S10B-008	280-S10B-009	280-S10B-010	280-S10B-011	280-S10B-012
Sampling Date	8/19/1994	8/19/1994	8/19/1994	8/19/1994	8/19/1994	8/19/1994	8/19/1994	8/19/1994
Sampling Depth (feet bgs)	.5 - 1.5	2 - 3	5 - 6	.5 - 1.5	2.5 - 3.5	5 - 6	.5 - 1.5	2.5 - 3.5
Units	%MST	%MST	%MST	%MST	%MST	%MST	%MST	%MST
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte								
CHLORIDE								
CYANIDE								
IGNITABILITY, BTU/LB								
NITRATE								
PERCENT MOISTURE, %MST	4.6	6.5	16.2	5.7	16.5	17.3	4.7	5.2
PH, UNITS	9.9	8.6	8.8	8.3	8.5	8.2	8.4	8.3
PHOSPHORUS								
SULFATE								
SULFIDE								
TOTAL KJELDAHL NITROGEN								
TOTAL ORGANIC CARBON, MG/KG*								

Notes:

*	Unless otherwise noted
%MST	Percent moisture
MEQ/HG	Milliequivalents per hundred grams
MG/KG	Milligrams per kilogram

TABLE E-161: SITE 23 GENERAL CHEMISTRY IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	B10B-07	B410-6	B410-6	BOR-12	BOR-12	BOR-20	BOR-20
Sample Code	280-S10B-013	B410-6 [1.0-1.5]	B410-6 [3.5-4.0]	BOR-12 [4.0-4.5]	BOR-12 [8.0-8.5]	BOR-20 [4.5-5.0]	BOR-20 [5.0-5.5]
Sampling Date	8/19/1994	7/11/1990	7/11/1990	7/18/1990	7/18/1990	7/17/1990	7/17/1990
Sampling Depth (feet bgs)	5 - 6	1 - 1.5	3.5 - 4	4 - 4.5	8 - 8.5	4.5 - 5	5 - 5.5
Units	%MST	MEQ/HG	UNITS	UNITS	MG/KG	MG/KG	UNITS
Investigation	FO 1994	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
CHLORIDE					69.9	4.6	
CYANIDE							
IGNITABILITY, BTU/LB						999 U	
NITRATE					0.14	0.37	
PERCENT MOISTURE, %MST	13.4						
PH, UNITS	9.3		9.7	10			9.4
PHOSPHORUS					472	232	
SULFATE					48.4	15.7	
SULFIDE							
TOTAL KJELDAHL NITROGEN					162	146	
TOTAL ORGANIC CARBON, MG/KG*		210			416	156	

Notes:

*	Unless otherwise noted
%MST	Percent moisture
MEQ/HG	Milliequivalents per hundred grams
MG/KG	Milligrams per kilogram

TABLE E-161: SITE 23 GENERAL CHEMISTRY IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-22	BOR-22	BOR-23	BOR-23	BOR-25	BOR-25	BOR-26
Sample Code	BOR-22 [3.5-4.0]	BOR-22 [4.0-4.5]	BOR-23 [3.5-4.0]	BOR-23 [4.0-4.5]	BOR-25 [3.5-4.0]	BOR-25 [4.0-4.5]	BOR-26 [2.5-3.0]
Sampling Date	7/23/1990	7/23/1990	7/20/1990	7/23/1990	7/20/1990	7/20/1990	7/24/1990
Sampling Depth (feet bgs)	3.5 - 4	4 - 4.5	3.5 - 4	4 - 4.5	3.5 - 4	4 - 4.5	2.5 - 3
Units	UNITS	MG/KG	UNITS	MG/KG	UNITS	MG/KG	UNITS
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
CHLORIDE		16.6		14.4		5.8	
CYANIDE							
IGNITABILITY, BTU/LB				999 U			
NITRATE		0.98		0.23		0.15	
PERCENT MOISTURE, %MST							
PH, UNITS	9.6		9.3		9.4		6.4
PHOSPHORUS		489		436		241	
SULFATE		17.1		31.9		6.4	
SULFIDE							
TOTAL KJELDAHL NITROGEN		84		207		78	
TOTAL ORGANIC CARBON, MG/KG*		273		819		109	

Notes:

*	Unless otherwise noted
%MST	Percent moisture
MEQ/HG	Milliequivalents per hundred grams
MG/KG	Milligrams per kilogram

TABLE E-161: SITE 23 GENERAL CHEMISTRY IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	BOR-26	BOR-27	BOR-27	CA13-10	M09-05	M09-05	M09-05	M10B-01
Sample Code	BOR-26 [4.0-4.5]	BOR-27 [3.0-3.5]	BOR-27 [4.0-4.5]	030-CAP-203	280-S09-001	280-S09-002	280-S09-003	280-S10B-134
Sampling Date	7/24/1990	7/20/1990	7/20/1990	6/15/2000	11/5/1994	11/5/1994	11/5/1994	11/5/1994
Sampling Depth (feet bgs)	4 - 4.5	3 - 3.5	4 - 4.5	6.5 - 7	1.5 - 2.5	3 - 4	5 - 6	1 - 2
Units	MG/KG	UNITS	MG/KG	%MST	%MST	%MST	%MST	%MST
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	TPH	FO 1994	FO 1994	FO 1994	FO 1994
Analyte								
CHLORIDE	4.5		5.7					
CYANIDE								
IGNITABILITY, BTU/LB								
NITRATE	0.11 U		0.18					
PERCENT MOISTURE, %MST				16	11	5	14	4
PH, UNITS		9.2			9.3	9	9	9.8
PHOSPHORUS	462		555					
SULFATE	4.4		10.5					
SULFIDE								
TOTAL KJELDAHL NITROGEN	72.8		95					
TOTAL ORGANIC CARBON, MG/KG*	271		218					

Notes:

*	Unless otherwise noted
%MST	Percent moisture
MEQ/HG	Milliequivalents per hundred grams
MG/KG	Milligrams per kilogram

TABLE E-161: SITE 23 GENERAL CHEMISTRY IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	M10B-01	M10B-01	MW410-4	MW410-4	MW530-1	MW530-2	MW530-3
Sample Code	280-S10B-135	280-S10B-136	MW410-4 [2.5-3.0]	MW410-4 [4.0-4.5]	MW530-1 [3.0-3.5]	MW530-2 [2.5-3.0]	MW530-3 [2.5-3.0]
Sampling Date	11/5/1994	11/5/1994	7/12/1990	7/12/1990	7/13/1990	7/13/1990	7/13/1990
Sampling Depth (feet bgs)	2 - 3	3 - 4	2.5 - 3	4 - 4.5	3 - 3.5	2.5 - 3	2.5 - 3
Units	%MST	%MST	MG/KG	UNITS	UNITS	UNITS	UNITS
Investigation	FO 1994	FO 1994	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
CHLORIDE							
CYANIDE							
IGNITABILITY, BTU/LB							
NITRATE							
PERCENT MOISTURE, %MST	7	6					
PH, UNITS	9.7	9.8		9.89	9.2	9.2	9.1
PHOSPHORUS							
SULFATE							
SULFIDE							
TOTAL KJELDAHL NITROGEN							
TOTAL ORGANIC CARBON, MG/KG*			210				

Notes:

*	Unless otherwise noted
%MST	Percent moisture
MEQ/HG	Milliequivalents per hundred grams
MG/KG	Milligrams per kilogram

TABLE E-161: SITE 23 GENERAL CHEMISTRY IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MWOR-5	MWOR-5	S16-69	S16-70	S16-71	S23-DGS-DP01
Sample Code	MWOR-5 [1.5-2.0]	MWOR-5 [8.5-9.0]	280-S16-015	280-S16-016	280-S16-017	385-S23-001
Sampling Date	7/19/1990	7/19/1990	7/15/1994	7/15/1994	7/14/1994	8/1/2001
Sampling Depth (feet bgs)	1.5 - 2	8.5 - 9	0 - 0	0 - 0	0 - 0	1 - 1.5
Units	MG/KG	UNITS	%MST	%MST	%MST	%MST
Investigation	PH 1&2A 1991	PH 1&2A 1991	FO 1994	FO 1994	FO 1994	DGS
Analyte						
CHLORIDE	41					
CYANIDE						
IGNITABILITY, BTU/LB	999 U					
NITRATE	0.21					
PERCENT MOISTURE, %MST			4.7	20.7	4.1	33.8
PH, UNITS		9.2	7.7	7.4	8.9	
PHOSPHORUS	538					
SULFATE	1040					
SULFIDE						
TOTAL KJELDAHL NITROGEN	202					
TOTAL ORGANIC CARBON, MG/KG*	1820					

Notes:

*	Unless otherwise noted
%MST	Percent moisture
MEQ/HG	Milliequivalents per hundred grams
MG/KG	Milligrams per kilogram

TABLE E-162: SITE 23 PESTICIDES AND PCBs IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW410-4	MWOR-5	MWOR-5	MWOR-5	MWOR-5	MWOR-5
Sample Code	280-S09-042	280-S13-050	280-S13-051	280-S13-052	280-S13-053	MWOR-5 [08/28/90]
Sampling Date	6/23/1995	10/21/1994	2/23/1995	6/28/1995	8/11/1995	8/28/1990
Sampling Depth (feet bgs)	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	PH 1&2A 1991
Analyte						
4,4'-DDD	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.02 U
4,4'-DDE	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.02 U
4,4'-DDT	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.02 U
ALDRIN	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.02 U
ALPHA-BHC	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.02 U
ALPHA-CHLORDANE	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	
AROCLOR-1016	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.25 U
AROCLOR-1221	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.25 U
AROCLOR-1232	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.25 U
AROCLOR-1242	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.25 U
AROCLOR-1248	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.25 U
AROCLOR-1254	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U
AROCLOR-1260	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U
BETA-BHC	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.02 U
CHLORDANE						0.25 U
DELTA-BHC	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.02 U
DIELDRIN	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.02 U
ENDOSULFAN I	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.02 U
ENDOSULFAN II	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.02 U
ENDOSULFAN SULFATE	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.02 U
ENDRIN	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.02 U
ENDRIN ALDEHYDE	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.02 U
ENDRIN KETONE	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	0.1 UJ	
GAMMA-BHC (LINDANE)	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.02 U
GAMMA-CHLORDANE	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	
HEPTACHLOR	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.02 U
HEPTACHLOR EPOXIDE	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.02 U
METHOXYCHLOR	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.05 U
TOXAPHENE	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ	1 U

Notes:

UG/L Micrograms per liter

TABLE E-163: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	530-MJ-MW-3	D10B-01	D10B-02	M09-05	M10B-01	MW530-1	MW530-2	MW530-3	MWOR-5
Sample Code	385-S23-010	385-S23-006	385-S23-007	385-S09-029	385-S23-005	385-S23-002	385-S23-003	385-S23-004	385-S13-005
Sampling Date	7/6/2001	7/9/2001	7/9/2001	6/25/2001	7/6/2001	7/6/2001	7/6/2001	7/6/2001	6/29/2001
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	DGS	DGS	DGS	DGS	DGS	DGS	DGS	DGS	DGS
Analyte									
1,2,4-TRICHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-TRICHLOROPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2,4,6-TRICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DIMETHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DINITROPHENOL	50 U	50 U	50 U	25 U	50 U	50 U	50 U	50 U	50 U
2,4-DINITROTOLUENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-DINITROTOLUENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-CHLORONAPHTHALENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-CHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-METHYLNAPHTHALENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-NITROANILINE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-NITROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-DICHLOROBENZIDINE	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
3-NITROANILINE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4,6-DINITRO-2-METHYLPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-BROMOPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-CHLORO-3-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-CHLOROANILINE	17 U	17 U	17 U	19 U	17 U	17 U	17 U	17 U	17 U
4-CHLOROPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-NITROANILINE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-NITROPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
ACENAPHTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ACENAPHTHYLENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ANTHRACENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(A)ANTHRACENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(A)PYRENE	1.4 U	1.4 U	1.4 U	2.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
BENZO(B)FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(G,H,I)PERYLENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

TABLE E-163: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	530-MJ-MW-3	D10B-01	D10B-02	M09-05	M10B-01	MW530-1	MW530-2	MW530-3	MWOR-5
Sample Code	385-S23-010	385-S23-006	385-S23-007	385-S09-029	385-S23-005	385-S23-002	385-S23-003	385-S23-004	385-S13-005
Sampling Date	7/6/2001	7/9/2001	7/9/2001	6/25/2001	7/6/2001	7/6/2001	7/6/2001	7/6/2001	6/29/2001
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	DGS	DGS	DGS	DGS	DGS	DGS	DGS	DGS	DGS
Analyte									
BENZO(K)FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZOIC ACID									
BENZYL ALCOHOL									
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BIS(2-CHLOROETHYL)ETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BIS(2-ETHYLHEXYL)PHTHALATE	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
BUTYLBENZYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CARBAZOLE	10 U	10 U	10 U	14 U	10 U	10 U	10 U	10 U	10 U
CHRYSENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIBENZO(A,H)ANTHRACENE	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
DIBENZOFURAN	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIETHYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIMETHYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DI-N-BUTYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DI-N-OCTYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
FLUORENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HEXACHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HEXACHLOROBUTADIENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HEXACHLOROCYCLOPENTADIENE	11 UJ	11 UJ	11 UJ	16 U	11 UJ	11 UJ	11 UJ	11 UJ	11 U
HEXACHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
INDENO(1,2,3-CD)PYRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ISOPHORONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
NAPHTHALENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
NITROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-NITROSODIPHENYLAMINE	10 U	10 U	10 U	18 U	10 U	10 U	10 U	10 U	10 U
PENTACHLOROPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
PHENANTHRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PYRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Notes:

UG/L Micrograms per liter

TABLE E-163: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	S23-DGS-VE01	D10B-01	D10B-01	D10B-01	D10B-01	D10B-02	D10B-02	D10B-02
Sample Code	385-S23-015A	280-S10B-138	280-S10B-141	280-S10B-142	280-S10B-143	280-S10B-139	280-S10B-144	280-S10B-145
Sampling Date	8/8/2001	12/15/1994	2/22/1995	6/23/1995	9/14/1995	12/15/1994	2/22/1995	6/23/1995
Sampling Depth (feet bgs)	8 - 10	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	DGS	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte								
1,2,4-TRICHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-TRICHLOROPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2,4,6-TRICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DIMETHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DINITROPHENOL	50 UJ	25 U	25 UJ	25 U	25 UJ	25 U	25 UJ	25 U
2,4-DINITROTOLUENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-DINITROTOLUENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-CHLORONAPHTHALENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-CHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-METHYLNAPHTHALENE	21	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-NITROANILINE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-NITROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-DICHLOROBENZIDINE	12 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-NITROANILINE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4,6-DINITRO-2-METHYLPHENOL	25 UJ	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-BROMOPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-CHLORO-3-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-CHLOROANILINE	17 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ	10 U
4-CHLOROPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-NITROANILINE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-NITROPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
ACENAPHTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ACENAPHTHYLENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ANTHRACENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(A)ANTHRACENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(A)PYRENE	0.2 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(B)FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(G,H,I)PERYLENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

TABLE E-163: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	S23-DGS-VE01	D10B-01	D10B-01	D10B-01	D10B-01	D10B-02	D10B-02	D10B-02
Sample Code	385-S23-015A	280-S10B-138	280-S10B-141	280-S10B-142	280-S10B-143	280-S10B-139	280-S10B-144	280-S10B-145
Sampling Date	8/8/2001	12/15/1994	2/22/1995	6/23/1995	9/14/1995	12/15/1994	2/22/1995	6/23/1995
Sampling Depth (feet bgs)	8 - 10	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	DGS	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte								
BENZO(K)FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZOIC ACID								
BENZYL ALCOHOL								
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BIS(2-CHLOROETHYL)ETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BIS(2-ETHYLHEXYL)PHTHALATE	4 U	4 UJ	4 UJ	4 UJ	4 UJ	4 UJ	4 UJ	4 UJ
BUTYLBENZYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CARBAZOLE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CHRYSENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIBENZO(A,H)ANTHRACENE	20 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIBENZOFURAN	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIETHYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIMETHYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DI-N-BUTYLPHTHALATE	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 UJ
DI-N-OCTYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
FLUORENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HEXACHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HEXACHLOROBUTADIENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HEXACHLOROCYCLOPENTADIENE	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HEXACHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
INDENO(1,2,3-CD)PYRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ISOPHORONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
NAPHTHALENE	19	10 U	10 U	10 U	10 U	10 U	10 U	10 U
NITROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-NITROSODIPHENYLAMINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PENTACHLOROPHENOL	25 U	25 U	25 UJ	25 U	25 U	25 U	25 UJ	25 U
PHENANTHRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PYRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Notes:

UG/L Micrograms per liter

TABLE E-163: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	D10B-02	DHP-S09-04	DHP-S10B-01	DHP-S10B-02	DHP-S10B-03	DHP-S10B-04	DHP-S10B-05	DHP-S13-05	M09-05
Sample Code	280-S10B-146	280-S09-056	280-S10B-110	280-S10B-111	280-S10B-112	280-S10B-114	280-S10B-115	280-S13-076	280-S09-044
Sampling Date	9/14/1995	8/26/1994	7/15/1994	7/15/1994	7/18/1994	7/15/1994	7/15/1994	8/29/1994	11/30/1994
Sampling Depth (feet bgs)	-	22 -	40 -	33 -	24 -	24.5 -	21 -	13.5 - 17	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
1,2,4-TRICHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-TRICHLOROPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2,4,6-TRICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DIMETHYLPHENOL	10 U	10 U	9 J	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DINITROPHENOL	25 UJ	25 UJ	25 U	25 U	25 UJ	25 U	25 U	25 U	25 UJ
2,4-DINITROTOLUENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-DINITROTOLUENE	10 U	10 U	10 U	6 J	10 U	10 U	10 U	10 U	10 U
2-CHLORONAPHTHALENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-CHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-METHYLNAPHTHALENE	10 U	10 U	10 U	0.8 J	10 U	10 U	10 U	10 U	10 U
2-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-NITROANILINE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-NITROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-DICHLOROBENZIDINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-NITROANILINE	25 U	25 U	25 UJ	25 UJ	25 U	25 UJ	25 UJ	25 U	25 U
4,6-DINITRO-2-METHYLPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-BROMOPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-CHLORO-3-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-CHLOROANILINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-CHLOROPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-METHYLPHENOL	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U
4-NITROANILINE	25 U	25 U	25 UJ	25 UJ	25 U	25 UJ	25 UJ	25 U	25 U
4-NITROPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
ACENAPHTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ACENAPHTHYLENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ANTHRACENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(A)ANTHRACENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(A)PYRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(B)FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(G,H,I)PERYLENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

TABLE E-163: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	D10B-02	DHP-S09-04	DHP-S10B-01	DHP-S10B-02	DHP-S10B-03	DHP-S10B-04	DHP-S10B-05	DHP-S13-05	M09-05
Sample Code	280-S10B-146	280-S09-056	280-S10B-110	280-S10B-111	280-S10B-112	280-S10B-114	280-S10B-115	280-S13-076	280-S09-044
Sampling Date	9/14/1995	8/26/1994	7/15/1994	7/15/1994	7/18/1994	7/15/1994	7/15/1994	8/29/1994	11/30/1994
Sampling Depth (feet bgs)	-	22 -	40 -	33 -	24 -	24.5 -	21 -	13.5 - 17	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
BENZO(K)FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZOIC ACID									
BENZYL ALCOHOL									
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BIS(2-CHLOROETHYL)ETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BIS(2-ETHYLHEXYL)PHTHALATE	4 UJ	4 UJ	20 UJ	40 UJ	20 UJ	20 UJ	4 UJ	4 UJ	4 UJ
BUTYLBENZYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CARBAZOLE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CHRYSENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIBENZO(A,H)ANTHRACENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIBENZOFURAN	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIETHYLPHTHALATE	10 U	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
DIMETHYLPHTHALATE	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
DI-N-BUTYLPHTHALATE	10 UJ	10 U	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U
DI-N-OCTYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
FLUORENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HEXACHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HEXACHLOROBUTADIENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HEXACHLOROCYCLOPENTADIENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HEXACHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
INDENO(1,2,3-CD)PYRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ISOPHORONE	10 U	10 U	2 J	7 J	3 J	10 U	10 U	10 U	10 U
NAPHTHALENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
NITROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-NITROSODIPHENYLAMINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PENTACHLOROPHENOL	25 U	25 UJ	25 U	25 U	25 UJ	25 U	25 U	25 U	25 U
PHENANTHRENE	10 U	10 U	10 U	0.6 J	10 U	10 U	10 U	10 U	10 U
PHENOL	10 U	10 U	10 U	5 J	10 U	0.8 J	0.5 J	10 U	10 U
PYRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Notes:

UG/L Micrograms per liter

TABLE E-163: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	M09-05	M09-05	M09-05	M10B-01	M10B-01	M10B-01	M10B-01	MW410-4	MW410-4
Sample Code	280-S09-046	280-S09-047	280-S09-048	280-S10B-140	280-S10B-147	280-S10B-148	280-S10B-149	280-S09-040	280-S09-041
Sampling Date	2/21/1995	6/21/1995	8/7/1995	12/1/1994	2/22/1995	6/23/1995	8/9/1995	10/19/1994	2/21/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
1,2,4-TRICHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-TRICHLOROPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2,4,6-TRICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DIMETHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DINITROPHENOL		25 U		25 UJ	25 UJ	25 U	25 U	25 U	
2,4-DINITROTOLUENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-DINITROTOLUENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-CHLORONAPHTHALENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-CHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-METHYLNAPHTHALENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-NITROANILINE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-NITROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-DICHLOROBENZIDINE	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
3-NITROANILINE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4,6-DINITRO-2-METHYLPHENOL	25 UJ	25 U	25 UJ	25 U	25 U	25 U	25 U	25 U	25 J
4-BROMOPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-CHLORO-3-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-CHLOROANILINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-CHLOROPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-NITROANILINE	25 U	25 U	25 U	25 U	25 UJ	25 U	25 U	25 U	25 U
4-NITROPHENOL	25 U	25 U	25 U	25 U	25 UJ	25 U	25 U	25 U	25 U
ACENAPHTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ACENAPHTHYLENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ANTHRACENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(A)ANTHRACENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(A)PYRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(B)FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(G,H,I)PERYLENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U

TABLE E-163: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	M09-05	M09-05	M09-05	M10B-01	M10B-01	M10B-01	M10B-01	MW410-4	MW410-4
Sample Code	280-S09-046	280-S09-047	280-S09-048	280-S10B-140	280-S10B-147	280-S10B-148	280-S10B-149	280-S09-040	280-S09-041
Sampling Date	2/21/1995	6/21/1995	8/7/1995	12/1/1994	2/22/1995	6/23/1995	8/9/1995	10/19/1994	2/21/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
BENZO(K)FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
BENZOIC ACID									
BENZYL ALCOHOL									
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BIS(2-CHLOROETHYL)ETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BIS(2-ETHYLHEXYL)PHTHALATE	4 UJ	4 UJ	4 UJ	4 UJ	4 UJ	4 UJ	4 U	4 UJ	4 U
BUTYLBENZYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CARBAZOLE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CHRYSENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIBENZO(A,H)ANTHRACENE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
DIBENZOFURAN	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIETHYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIMETHYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
DI-N-BUTYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DI-N-OCTYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
FLUORENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HEXACHLOROBENZENE	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
HEXACHLOROBUTADIENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HEXACHLOROCYCLOPENTADIENE	10 U	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
HEXACHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
INDENO(1,2,3-CD)PYRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
ISOPHORONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
NAPHTHALENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
NITROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-NITROSODIPHENYLAMINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PENTACHLOROPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
PHENANTHRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PYRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Notes:

UG/L Micrograms per liter

TABLE E-163: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW410-4	MW410-4	MW530-1	MW530-1	MW530-1	MW530-1	MW530-2	MW530-2	MW530-2
Sample Code	280-S09-042	280-S09-043	280-S10B-017	280-S10B-018	280-S10B-020	280-S10B-021	280-S10B-022	280-S10B-023	280-S10B-024
Sampling Date	6/23/1995	8/7/1995	10/19/1994	2/22/1995	6/26/1995	8/9/1995	10/19/1994	2/22/1995	6/26/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
1,2,4-TRICHLOROBENZENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
1,2-DICHLOROBENZENE	5 U	5 U	5 U	5 U	15 U	5 U	5 U	5 U	5 U
1,3-DICHLOROBENZENE	5 U	5 U	5 U	5 U	15 U	5 U	5 U	5 U	5 U
1,4-DICHLOROBENZENE	5 U	5 U	5 U	5 U	15 U	5 U	5 U	5 U	5 U
2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
2,4,5-TRICHLOROPHENOL	25 U	25 U	25 U	25 U	75 U	25 U	25 U	25 U	25 U
2,4,6-TRICHLOROPHENOL	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
2,4-DICHLOROPHENOL	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
2,4-DIMETHYLPHENOL	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
2,4-DINITROPHENOL	25 U	25 UJ	25 U	25 UJ		25 U	25 U	25 UJ	
2,4-DINITROTOLUENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
2,6-DINITROTOLUENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
2-CHLORONAPHTHALENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
2-CHLOROPHENOL	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
2-METHYLNAPHTHALENE	10 U	10 U	12	8 J	51	13	10 U	10 U	10 U
2-METHYLPHENOL	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
2-NITROANILINE	25 U	25 U	25 U	25 U	75 U	25 U	25 U	25 U	25 U
2-NITROPHENOL	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
3,3'-DICHLOROBENZIDINE	10 U	10 U	10 U	10 U	30 U	10 UJ	10 U	10 U	10 U
3-NITROANILINE	25 U	25 U	25 U	25 U	75 U	25 U	25 U	25 U	25 U
4,6-DINITRO-2-METHYLPHENOL	25 U	25 UJ	25 U	25 U	75 U	25 U	25 U	25 U	25 U
4-BROMOPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
4-CHLORO-3-METHYLPHENOL	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
4-CHLOROANILINE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
4-CHLOROPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
4-METHYLPHENOL	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
4-NITROANILINE	25 U	25 U	25 U	25 UJ	75 U	25 U	25 U	25 UJ	25 U
4-NITROPHENOL	25 U	25 U	25 U	25 UJ	75 UJ	25 U	25 U	25 UJ	25 UJ
ACENAPHTHENE	10 U	10 U	10 U	1 J	30 U	0.8 J	10 U	10 U	10 U
ACENAPHTHYLENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
ANTHRACENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
BENZO(A)ANTHRACENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
BENZO(A)PYRENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
BENZO(B)FLUORANTHENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
BENZO(G,H,I)PERYLENE	10 U	10 U	10 UJ	10 U	30 U	10 U	10 UJ	10 U	10 U

TABLE E-163: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW410-4	MW410-4	MW530-1	MW530-1	MW530-1	MW530-1	MW530-2	MW530-2	MW530-2
Sample Code	280-S09-042	280-S09-043	280-S10B-017	280-S10B-018	280-S10B-020	280-S10B-021	280-S10B-022	280-S10B-023	280-S10B-024
Sampling Date	6/23/1995	8/7/1995	10/19/1994	2/22/1995	6/26/1995	8/9/1995	10/19/1994	2/22/1995	6/26/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
BENZO(K)FLUORANTHENE	10 U	10 U	10 UJ	10 U	30 U	10 U	10 UJ	10 U	10 U
BENZOIC ACID									
BENZYL ALCOHOL									
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
BIS(2-CHLOROETHYL)ETHER	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
BIS(2-ETHYLHEXYL)PHTHALATE	4 U	4 U	14 UJ	4 UJ	12 U	4 UJ	4 UJ	4 UJ	4 U
BUTYLBENZYLPHTHALATE	10 U	10 U	10 U	10 UJ	30 U	10 U	10 U	10 UJ	10 U
CARBAZOLE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
CHRYSENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
DIBENZO(A,H)ANTHRACENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
DIBENZOFURAN	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
DIETHYLPHTHALATE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
DIMETHYLPHTHALATE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
DI-N-BUTYLPHTHALATE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
DI-N-OCTYLPHTHALATE	10 U	10 U	10 UJ	10 U	30 U	10 U	10 UJ	10 U	10 U
FLUORANTHENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
FLUORENE	10 U	10 U	3 J	3 J	5 J	3 J	10 U	10 U	10 U
HEXACHLOROBENZENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
HEXACHLOROBUTADIENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
HEXACHLOROCYCLOPENTADIENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
HEXACHLOROETHANE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
INDENO(1,2,3-CD)PYRENE	10 U	10 U	10 UJ	10 U	30 U	10 U	10 UJ	10 U	10 U
ISOPHORONE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
NAPHTHALENE	10 U	10 U	17	12	57	10 U	10 U	10 U	10 U
NITROBENZENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
N-NITROSODIPHENYLAMINE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
PENTACHLOROPHENOL	25 U	25 U	25 U	25 U	75 U	25 U	25 U	25 U	25 U
PHENANTHRENE	10 U	10 U	3 J	0.8 J	5 J	2 J	10 U	10 U	10 U
PHENOL	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U
PYRENE	10 U	10 U	10 U	10 U	30 U	10 U	10 U	10 U	10 U

Notes:

UG/L Micrograms per liter

TABLE E-163: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-2	MW530-3	MW530-3	MW530-3	MW530-3	MWOR-5	MWOR-5	MWOR-5	MWOR-5
Sample Code	280-S10B-025	280-S10B-026	280-S10B-027	280-S10B-028	280-S10B-029	280-S13-050	280-S13-051	280-S13-052	280-S13-053
Sampling Date	8/8/1995	10/19/1994	2/22/1995	6/26/1995	8/9/1995	10/21/1994	2/23/1995	6/28/1995	8/11/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
1,2,4-TRICHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-TRICHLOROPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2,4,6-TRICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DIMETHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DINITROPHENOL		25 U	25 UJ		25 U	25 UJ	25 UJ		25 U
2,4-DINITROTOLUENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-DINITROTOLUENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-CHLORONAPHTHALENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-CHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-METHYLNAPHTHALENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-NITROANILINE	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2-NITROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-DICHLOROBENZIDINE	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
3-NITROANILINE	25 U	25 UJ	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4,6-DINITRO-2-METHYLPHENOL	25 UJ	25 U	25 U	25 U	25 U	25 U	25 U	25 UJ	25 U
4-BROMOPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-CHLORO-3-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-CHLOROANILINE	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-CHLOROPHENYL-PHENYLETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-NITROANILINE	25 U	25 UJ	25 UJ	25 U	25 U	25 U	25 U	25 U	25 U
4-NITROPHENOL	25 U	25 U	25 UJ	25 UJ	25 U	25 UJ	25 U	25 UJ	25 UJ
ACENAPHTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ACENAPHTHYLENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
ANTHRACENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(A)ANTHRACENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(A)PYRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(B)FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZO(G,H,I)PERYLENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 UJ

TABLE E-163: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-2	MW530-3	MW530-3	MW530-3	MW530-3	MWOR-5	MWOR-5	MWOR-5	MWOR-5
Sample Code	280-S10B-025	280-S10B-026	280-S10B-027	280-S10B-028	280-S10B-029	280-S13-050	280-S13-051	280-S13-052	280-S13-053
Sampling Date	8/8/1995	10/19/1994	2/22/1995	6/26/1995	8/9/1995	10/21/1994	2/23/1995	6/28/1995	8/11/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
BENZO(K)FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BENZOIC ACID									
BENZYL ALCOHOL									
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BIS(2-CHLOROETHYL)ETHER	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BIS(2-ETHYLHEXYL)PHTHALATE	4 U	24 UJ	4 UJ	4 U	4 U	4 U	4 UJ	4 UJ	4 UJ
BUTYLBENZYLPHTHALATE	10 U	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U
CARBAZOLE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CHRYSENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIBENZO(A,H)ANTHRACENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
DIBENZOFURAN	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIETHYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
DIMETHYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
DI-N-BUTYLPHTHALATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U
DI-N-OCTYLPHTHALATE	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U
FLUORANTHENE	10 U	10 U	10 U	10 U	10 U	1 J	10 U	10 U	10 U
FLUORENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HEXACHLOROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HEXACHLOROBUTADIENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HEXACHLOROCYCLOPENTADIENE	10 U	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
HEXACHLOROETHANE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
INDENO(1,2,3-CD)PYRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 UJ
ISOPHORONE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
NAPHTHALENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
NITROBENZENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-NITROSODIPHENYLAMINE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PENTACHLOROPHENOL	25 U	25 U	25 U	25 U	25 U	25 UJ	25 U	25 UJ	25 U
PHENANTHRENE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PYRENE	10 U	0.5 J	10 U	10 U	10 U	1 J	10 U	10 U	10 U

Notes:

UG/L Micrograms per liter

TABLE E-163: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	SHP-S10B-05	SHP-S10B-06	MW410-4	MW530-1	MW530-2	MW530-3	MWOR-5
Sample Code	280-S10B-127	280-S10B-128	MW410-4 [08/22/90]	MW530-1 [08/23/90]	MW530-2 [08/23/90]	MW530-3 [08/24/90]	MWOR-5 [08/28/90]
Sampling Date	8/22/1994	8/22/1994	8/22/1990	8/23/1990	8/23/1990	8/24/1990	8/28/1990
Sampling Depth (feet bgs)	5 - 8.5	4.5 - 8	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
1,2,4-TRICHLOROBENZENE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
1,2-DICHLOROBENZENE	5 U	5 U	10 U	100 U	20 U	10 U	10 U
1,3-DICHLOROBENZENE	5 U	5 U	10 U	100 U	20 U	10 U	10 U
1,4-DICHLOROBENZENE	5 U	5 U	10 U	100 U	20 U	10 U	10 U
2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	10 U					
2,4,5-TRICHLOROPHENOL	25 U	25 U	50 U	500 U	100 U	50 U	50 U
2,4,6-TRICHLOROPHENOL	10 U	10 U	10 U	100 U	20 U	10 U	10 U
2,4-DICHLOROPHENOL	0.5 J	10 U	10 U	100 U	20 U	10 U	10 U
2,4-DIMETHYLPHENOL	10 U	10 U	10 U	100 U	20 U	10 U	10 U
2,4-DINITROPHENOL	25 U	25 U	50 U	500 U	100 U	50 U	50 U
2,4-DINITROTOLUENE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
2,6-DINITROTOLUENE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
2-CHLORONAPHTHALENE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
2-CHLOROPHENOL	10 U	10 U	10 U	100 U	20 U	10 U	10 U
2-METHYLNAPHTHALENE	10 U	10 U	10 U	390	20 U	10 U	10 U
2-METHYLPHENOL	10 U	10 U	10 U	100 U	20 U	10 U	10 U
2-NITROANILINE	25 U	25 U	50 U	500 U	100 U	50 U	50 U
2-NITROPHENOL	10 U	10 U	10 U	100 U	20 U	10 U	10 U
3,3'-DICHLOROBENZIDINE	10 U	10 U	20 U	200 U	40 U	20 U	20 U
3-NITROANILINE	25 U	25 U	50 U	500 U	100 U	50 U	50 U
4,6-DINITRO-2-METHYLPHENOL	25 U	25 U	50 U	500 U	100 U	50 U	50 U
4-BROMOPHENYL-PHENYLETHER	10 U	10 U	10 U	100 U	20 U	10 U	10 U
4-CHLORO-3-METHYLPHENOL	10 U	10 U	10 U	100 U	20 U	10 U	10 U
4-CHLOROANILINE	10 UJ	10 U	10 U	100 U	20 U	10 U	10 U
4-CHLOROPHENYL-PHENYLETHER	10 U	10 U	10 U	100 U	20 U	10 U	10 U
4-METHYLPHENOL	10 U	10 U	10 U	100 U	20 U	10 U	10 U
4-NITROANILINE	25 U	25 U	50 U	500 U	100 U	50 U	50 U
4-NITROPHENOL	25 U	25 U	50 U	500 U	100 U	50 U	50 U
ACENAPHTHENE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
ACENAPHTHYLENE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
ANTHRACENE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
BENZO(A)ANTHRACENE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
BENZO(A)PYRENE	0.6 J	10 U	10 U	100 U	20 U	10 U	10 U
BENZO(B)FLUORANTHENE	0.8 J	10 U	10 U	100 U	20 U	10 U	10 U
BENZO(G,H,I)PERYLENE	10 UJ	10 U	10 U	100 U	20 U	10 U	10 U

TABLE E-163: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	SHP-S10B-05	SHP-S10B-06	MW410-4	MW530-1	MW530-2	MW530-3	MWOR-5
Sample Code	280-S10B-127	280-S10B-128	MW410-4 [08/22/90]	MW530-1 [08/23/90]	MW530-2 [08/23/90]	MW530-3 [08/24/90]	MWOR-5 [08/28/90]
Sampling Date	8/22/1994	8/22/1994	8/22/1990	8/23/1990	8/23/1990	8/24/1990	8/28/1990
Sampling Depth (feet bgs)	5 - 8.5	4.5 - 8	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte							
BENZO(K)FLUORANTHENE	10 UJ	10 U	10 U	100 U	20 U	10 U	10 U
BENZOIC ACID			50 U	500 U	100 U	50 U	50 U
BENZYL ALCOHOL			10 U	100 U	20 U	10 U	10 U
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
BIS(2-CHLOROETHYL)ETHER	10 U	10 U	10 U	100 U	20 U	10 U	10 U
BIS(2-ETHYLHEXYL)PHTHALATE	4 U	4 U	10 U	100 U	20 U	10 U	10 U
BUTYLBENZYLPHTHALATE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
CARBAZOLE	10 U	10 U					
CHRYSENE	0.9 J	10 U	10 U	100 U	20 U	10 U	10 U
DIBENZO(A,H)ANTHRACENE	10 UJ	10 U	10 U	100 U	20 U	10 U	10 U
DIBENZOFURAN	10 U	10 U	10 U	100 U	20 U	10 U	10 U
DIETHYLPHTHALATE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
DIMETHYLPHTHALATE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
DI-N-BUTYLPHTHALATE	10 U	10 UJ	10 U	100 U	20 U	10 U	10 U
DI-N-OCTYLPHTHALATE	10 UJ	10 U	10 U	100 U	20 U	10 U	10 U
FLUORANTHENE	1 J	10 U	10 U	100 U	20 U	10 U	10 U
FLUORENE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
HEXACHLOROBENZENE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
HEXACHLOROBUTADIENE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
HEXACHLOROCYCLOPENTADIENE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
HEXACHLOROETHANE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
INDENO(1,2,3-CD)PYRENE	10 UJ	10 U	10 U	100 U	20 U	10 U	10 U
ISOPHORONE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
NAPHTHALENE	10 U	10 U	10 U	250	20 U	10 U	10 U
NITROBENZENE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
N-NITROSODIPHENYLAMINE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
PENTACHLOROPHENOL	25 U	25 U	50 U	500 U	100 U	50 U	50 U
PHENANTHRENE	10 U	10 U	10 U	100 U	20 U	10 U	10 U
PHENOL	10 U	10 U	10 U	100 U	20 U	10 U	10 U
PYRENE	1 J	10 U	10 U	100 U	20 U	10 U	10 U

Notes:

UG/L Micrograms per liter

TABLE E-164: SITE 23 POLYNUCLEAR AROMATIC HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	530-MJ-MW-3	D10B-01	D10B-02	M09-05	M10B-01	MW530-1	MW530-2	MW530-3	MWOR-5
Sample Code	385-S23-010	385-S23-006	385-S23-007	385-S09-029	385-S23-005	385-S23-002	385-S23-003	385-S23-004	385-S13-005
Sampling Date	7/6/2001	7/9/2001	7/9/2001	6/25/2001	7/6/2001	7/6/2001	7/6/2001	7/6/2001	6/29/2001
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	DGS	DGS	DGS	DGS	DGS	DGS	DGS	DGS	DGS
Analyte									
ACENAPHTHENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ACENAPHTHYLENE	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
ANTHRACENE	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
BENZO(A)ANTHRACENE	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.1 J	0.2 U	0.2 U	0.2 U
BENZO(A)PYRENE	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
BENZO(B)FLUORANTHENE	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
BENZO(G,H,I)PERYLENE	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
BENZO(K)FLUORANTHENE	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
CHRYSENE	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
DIBENZO(A,H)ANTHRACENE	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
FLUORANTHENE	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
FLUORENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
INDENO(1,2,3-CD)PYRENE	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
NAPHTHALENE	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
PHENANTHRENE	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
PYRENE	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2	0.2 U

Notes:

UG/L Micrograms per liter

TABLE E-165: SITE 23 DISSOLVED METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	D10B-01	D10B-01	D10B-01	D10B-01	D10B-02	D10B-02	D10B-02	D10B-02	DHP-S09-04
Sample Code	280-S10B-138	280-S10B-141	280-S10B-142	280-S10B-143	280-S10B-139	280-S10B-144	280-S10B-145	280-S10B-146	280-S09-056
Sampling Date	12/15/1994	2/22/1995	6/23/1995	9/14/1995	12/15/1994	2/22/1995	6/23/1995	9/14/1995	8/26/1994
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	22 -
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
ALUMINUM	56.4 U	81.6 U	41.4 U	20.4 UJ	28.2 U	40.8 U	20.7 U	38.9 UJ	8210
ANTIMONY	44 U	11 U	32 U	28 U	44 U	2.2 U	6.4 U	5.6 U	2.3 U
ARSENIC	100 U	25 U	20 U	14 U	100 U	5 U	6.6 J	2.8 U	2.6 U
BARIUM	60.4 J	43.2 J	27.1 UJ	36.9 UJ	80.3 J	141 J	110 J	87 J	126 J
BERYLLIUM	3 UJ	1.6 U	1.4 U	0.2 U	1.1 UJ	0.8 U	0.7 U	0.22 UJ	2.7 UJ
CADMIUM	8 U	4.8 J	3.4 J	1.5 U	8 U	0.4 U	1.1 UJ	0.3 U	0.4 U
CALCIUM	1040000 J	1110000	1080000	1080000	209000 J	239000	215000	228000	10400
CHROMIUM	32 U	8 U	3.5 U	5 U	32 U	1.6 U	3.1 UJ	1.6 J	0.4 U
COBALT	15.4 U	11.2 U	14.4 UJ	7.6 U	7.7 U	5.6 U	4.6 U	3.8 U	10.2 UJ
COPPER	13.9 UJ	24.9 UJ	8.4 U	24 U	17.7 UJ	3.8 UJ	4.2 U	12 U	25.4 UJ
IRON	18 U	13.4 U	42.3 UJ	88.2 J	9 U	6.7 U	3.2 U	49.7 UJ	12200 J
LEAD	20 U	5 U	6.5 U	5.5 U	20 U	1 U	1.3 U	1.1 U	1.2 U
MAGNESIUM	1370000	1270000	1300000	1330000	203000	116000	169000	169000	10700
MANGANESE	11900	11500	11400	11400	653	71.5	254	421	399
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.33
MOLYBDENUM	25.4 U	19.2 U	19.6 U	15.8 U	12.7 U	9.6 U	9.8 U	7.9 U	22 UJ
NICKEL	20.4 J	22.6 U	18.6 U	15 U	9.3 U	11.3 U	16.3 UJ	7.5 U	84.7 UJ
POTASSIUM	10100	9830 J	8250 J	7830 J	10600	13700	8630	7450	18800 J
SELENIUM	54 U	13.5 U	13 U	12 U	54 U	2.7 U	2.6 U	2.8 UJ	2.7 U
SILVER		10 U	4.5 U	4.5 U		2 U	0.9 U	0.9 U	1.2 UJ
SODIUM	5090000 J	5280000	5310000	4800000	1630000 J	1460000	1500000	1330000	546000
THALLIUM	76 U	19 U	14.5 U	21.5 J	76 U	3.8 U	5.7 UJ	4.9 UJ	2.8 UJ
TITANIUM									
VANADIUM	14 U	9.3 UJ	14.4 U	7.4 U	7 U	4.2 U	7.2 U	3.7 U	23.2 UJ
ZINC	14.9 UJ	12 UJ	10.6 U	26.2 U	14 UJ	11.2 UJ	6.8 UJ	13.1 U	259

Notes:

MG/L Milligrams per liter

UG/L Micrograms per liter

TABLE E-165: SITE 23 DISSOLVED METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	DHP-S10B-01	DHP-S10B-02	DHP-S10B-03	DHP-S10B-04	DHP-S10B-05	DHP-S13-05	M09-05	M09-05	M09-05
Sample Code	280-S10B-110	280-S10B-111	280-S10B-112	280-S10B-114	280-S10B-115	280-S13-076	280-S09-044	280-S09-046	280-S09-047
Sampling Date	7/15/1994	7/15/1994	7/18/1994	7/15/1994	7/15/1994	8/29/1994	11/30/1994	2/21/1995	6/21/1995
Sampling Depth (feet bgs)	40 -	33 -	24 -	24.5 -	21 -	13.5 - 17	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
ALUMINUM	50600	12900	15500	42.4 U	42.4 U	42.4 U	28.2 U	40.8 U	20.7 U
ANTIMONY	2.3 U	3.2 UJ	14.8 UJ	6.8 UJ	14.3 J	6.7 UJ	3.3 U	2.2 U	6.4 U
ARSENIC	12.7 UJ	6.2 UJ	8.7 UJ	3.8 UJ	2.6 U	2.6 U	4.1 J	5 U	4 U
BARIUM	143 J	164 J	151 J	29.3 J	85.4 J	44.5 J	13.7 J	7.4 UJ	29.1 UJ
BERYLLIUM	39.5	5.7	5.8	2.2 UJ	1.1 U	2.1 J	1.1 J	0.8 U	0.7 U
CADMIUM	20.2	0.4 U	11.5	0.4 U	0.4 U	0.4 U	0.3 U	0.4 U	0.49 J
CALCIUM	755000	99600	474000	63900	223000	15900 J	34800	36000	33600 J
CHROMIUM	0.4 UJ	60.5	147	4.9 UJ	0.4 U	0.74 UJ	2 UJ	2.9 UJ	0.7 U
COBALT	3560	16.7 UJ	85.9	6.6 U	10.5 UJ	6.6 U	7.7 U	5.6 U	4.6 U
COPPER	153	36.3 UJ	90.7 UJ	28.6 UJ	27.9 UJ	25.2 UJ	2.6 UJ	14 UJ	12.7 UJ
IRON	244000 J	48700 J	25700 J	59.1 J	6840 J	65.1 UJ	17.5 UJ	6.7 U	3.2 U
LEAD	1.2 UJ	12.6	55.7	1.2 U	1.2 U	1.9 UJ	1.5 U	1 U	1.3 U
MAGNESIUM	1260000	31100	636000	65000	303000	19800 J	10400	10100	9290 J
MANGANESE	93900	1490	13700	122	4810	207 J	11.1 J	6.6 J	9.5 J
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MOLYBDENUM	28 U	14 U	14 U	14 U	14 U	14 U	12.7 U	9.6 U	9.8 U
NICKEL	11400	112	234	16.3 U	16.3 U	19.3 J	9.3 U	11.3 U	9.3 U
POTASSIUM	32600 J	10100 J	75800 J	25500 J	108000 J	10700 J	4460 J	3890 J	3140 J
SELENIUM	2.7 UJ	2.7 U	5.4 U	2.7 U	2.7 U	2.7 U	3 U	2.7 U	5 UJ
SILVER	4.5 UJ	1.6 UJ	1.8 U	1.5 UJ	0.9 U	1 UJ	1.4 U	2 U	0.9 U
SODIUM	1700000	189000	5270000	1860000	3700000	78400	22600	20700	14800 J
THALLIUM	47.2	2.9 UJ	52.7	2 U	13.2 UJ	4.8 UJ	2.3 U	3.8 U	2.9 U
TITANIUM									
VANADIUM	13.6 UJ	54.9	86.2	22.4 J	6.8 U	6.8 U	7 U	8.6 UJ	7.2 U
ZINC	7340	1380	465	26.2 UJ	166	15.9 UJ	13.1 UJ	23.3 UJ	24.8 UJ

Notes:

MG/L Milligrams per liter

UG/L Micrograms per liter

TABLE E-165: SITE 23 DISSOLVED METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	M09-05	M10B-01	M10B-01	M10B-01	M10B-01	MW410-4	MW410-4	MW410-4	MW410-4
Sample Code	280-S09-048	280-S10B-140	280-S10B-147	280-S10B-148	280-S10B-149	280-S09-040	280-S09-041	280-S09-042	280-S09-043
Sampling Date	8/7/1995	12/1/1994	2/22/1995	6/23/1995	8/9/1995	10/19/1994	2/21/1995	6/23/1995	8/7/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
ALUMINUM	20.1 UJ	28.2 U	40.8 U	20.7 U	25.9 UJ	28.2 U	40.8 U	20.7 U	44.1 UJ
ANTIMONY	5.6 U	5.9 J	2.2 U	6.4 U	5.6 U	8.9 UJ	2.2 U	6.4 U	7 UJ
ARSENIC	2.8 U	6.4 J	13	15.4	13.6 UJ	7.2 J	5 U	4 U	6.8 UJ
BARIUM	25 J	162 J	33.2 UJ	37.4 UJ	61.8 J	122 J	26 UJ	27.6 UJ	27.1 J
BERYLLIUM	0.22 UJ	1.8 J	1 J	0.7 U	0.1 UJ	1 U	0.8 U	0.7 U	0.22 UJ
CADMIUM	0.3 U	0.3 U	0.4 U	0.46 UJ	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U
CALCIUM	39100	133000	27900	43000	59600	64000	18900	18900	18200
CHROMIUM	4.9 J	0.6 U	2.3 J	1.3 UJ	1 U	3 UJ	5.5 UJ	4.2 UJ	2.9 J
COBALT	3.8 U	7.7 U	5.6 U	4.6 U	3.8 U	7.7 U	5.6 U	4.6 U	3.8 U
COPPER	12 U	8.4 UJ	6.8 UJ	5.1 UJ	12 U	5.4 UJ	4.6 UJ	4.2 U	12 U
IRON	4.8 U	30.6 UJ	85.8 UJ	33.5 UJ	1290	58.9 UJ	6.7 U	4.1 UJ	10 UJ
LEAD	1.1 U	1.5 U	1 U	1.3 U	1.1 U	1.5 U	1 U	1.3 U	1.1 U
MAGNESIUM	10700	122000	27600	53500	80000	104000	5540	5720	4700 J
MANGANESE	3.2 UJ	739	225	361	532	317	1.1 U	1.2 U	0.9 U
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MOLYBDENUM	7.9 U	12.7 U	9.6 U	9.8 U	7.9 U	12.7 U	9.6 U	9.8 U	7.9 U
NICKEL	7.5 U	11.3 J	11.3 U	9.3 U	7.5 U	9.3 U	11.3 U	9.3 UJ	7.5 U
POTASSIUM	4230 J	59200	18700	26300	42700	43700	10400	12000	11600
SELENIUM	2.4 U	3 U	2.7 U	2.6 U	2.4 U	3 U	2.7 U	2.6 U	2.4 U
SILVER	0.9 U	1.4 U	2 U	0.9 U	0.9 U	1.4 U	2 U	1.2 UJ	0.9 U
SODIUM	19200	1290000	447000	625000	1050000	918000	37000	37600	47300
THALLIUM	3.4 U	2.3 U	3.8 U	2.9 U	3.7 J	2.3 U	3.8 U	2.9 U	3.4 U
TITANIUM									
VANADIUM	6.1 UJ	9.4 J	12.3 UJ	13.8 J	11.8 UJ	7 U	5.6 UJ	7.2 U	11 UJ
ZINC	15.6 J	11.3 UJ	15.2 UJ	5.3 U	13.1 U	24.8 UJ	6.4 UJ	5.3 U	18.1 J

Notes:

MG/L Milligrams per liter

UG/L Micrograms per liter

TABLE E-165: SITE 23 DISSOLVED METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-1	MW530-1	MW530-1	MW530-1	MW530-2	MW530-2	MW530-2	MW530-2	MW530-3
Sample Code	280-S10B-017	280-S10B-018	280-S10B-020	280-S10B-021	280-S10B-022	280-S10B-023	280-S10B-024	280-S10B-025	280-S10B-026
Sampling Date	10/19/1994	2/22/1995	6/26/1995	8/9/1995	10/19/1994	2/22/1995	6/26/1995	8/8/1995	10/19/1994
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
ALUMINUM	28.2 U	40.8 U	36.7 J	30.5 UJ	28.2 U	40.8 U	35.2 J	17.5 UJ	28.2 U
ANTIMONY	6.6 UJ	2.2 U	6.4 U	5.6 U	3.3 UJ	2.2 U	6.4 U	5.6 U	3.3 U
ARSENIC	3.4 U	5 U	4 U	3.6 UJ	13.1	7.2 J	4 U	13.5 UJ	22.5
BARIUM	77.1 J	86 J	84.2 J	98.7 J	27.1 J	45.4 J	43.5 J	55.4 J	25.8 J
BERYLLIUM	1 J	1.4 J	0.7 U	0.48 UJ	1.3 J	1 J	0.7 U	0.1 U	1.3 J
CADMIUM	0.3 U	0.4 U	0.3 U	0.3 U	0.3 U	0.4 U	0.3 U	0.3 U	0.3 U
CALCIUM	109000	116000	109000	116000	20000	31500	30400	28600	35500
CHROMIUM	2.1 UJ	1.6 U	0.7 U	1 U	2.2 UJ	1.6 U	0.7 U	1 U	1.4 UJ
COBALT	7.7 U	5.6 U	5.3 UJ	3.8 U	7.7 U	5.6 U	4.6 U	3.8 U	7.7 U
COPPER	2 U	2.5 U	4.2 U	12 U	4.1 UJ	6.3 UJ	5.3 UJ	12 U	2 U
IRON	3600	3650	3910	2610	32.1 UJ	34.3 UJ	22.4 UJ	4.8 U	22.4 UJ
LEAD	1.5 U	1 U	1.3 U	1.1 U	1.5 U	1 U	1.3 U	1.1 U	1.5 U
MAGNESIUM	18400	17300	18300	18800	11200	16900	16600	16400	5630
MANGANESE	146	158	148	142	67.7	72	66.4	62.6	140
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MOLYBDENUM	12.7 U	9.6 U	9.8 U	7.9 U	12.7 U	9.6 U	9.8 U	7.9 U	17.4 UJ
NICKEL	9.3 U	11.3 U	9.3 U	7.5 U	9.3 U	11.3 U	9.3 U	7.5 U	9.3 U
POTASSIUM	11600	11700	11200	12900	14600	14500	14300	15800	6710
SELENIUM	3 U	2.7 U	4.6 UJ	2.4 U	3 U	2.7 U	3.4 UJ	2.4 U	3 U
SILVER	1.9 UJ	2 U	0.9 U	0.9 U	1.9 UJ	2 U	0.9 U	0.9 U	2 UJ
SODIUM	272000	254000	253000	264000	242000	226000	185000	229000	46600
THALLIUM	2.3 U	3.8 U	2.9 U	3.4 U	2.3 U	3.8 U	2.9 U	3.4 U	2.3 U
TITANIUM									
VANADIUM	7 U	4.2 U	7.2 U	4.4 UJ	7 U	4.2 U	7.2 U	6.2 UJ	7 U
ZINC	11.8 UJ	9.3 UJ	5.3 U	16 J	29.1 UJ	6.6 UJ	5.3 U	13.1 U	9.1 UJ

Notes:

MG/L Milligrams per liter

UG/L Micrograms per liter

TABLE E-165: SITE 23 DISSOLVED METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-3	MW530-3	MW530-3	MWOR-5	MWOR-5	MWOR-5	MWOR-5	SHP-S10B-05	SHP-S10B-06
Sample Code	280-S10B-027	280-S10B-028	280-S10B-029	280-S13-050	280-S13-051	280-S13-052	280-S13-053	280-S10B-127	280-S10B-128
Sampling Date	2/22/1995	6/26/1995	8/9/1995	10/21/1994	2/23/1995	6/28/1995	8/11/1995	8/22/1994	8/22/1994
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	5 - 8.5	4.5 - 8
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
ALUMINUM	40.8 U	25.2 J	30 UJ	28.2 U	40.8 U	24.6 UJ	18 UJ	42.4 U	42.4 U
ANTIMONY	2.2 U	6.4 U	5.6 U	4.2 UJ	2.2 U	6.4 U	6 UJ	5.8 UJ	9.1 UJ
ARSENIC	13.2	17.2	14.9 UJ	9.7 J	5 U	4 U	2.8 U	15.2	2.6 U
BARIUM	4.3 U	10.8 UJ	15.1 J	468	56.7 J	62.9 UJ	73.1 J	222	63.8 J
BERYLLIUM	0.8 U	0.7 U	0.1 U	1 U	0.8 U	0.7 U	0.1 U	2 UJ	1.1 U
CADMIUM	0.4 U	0.3 U	0.3 U	0.3 U	0.4 U	0.3 U	0.42 UJ	0.4 U	0.4 U
CALCIUM	19500	20100	29400	224000	8290	9670	9550	35800	29800
CHROMIUM	1.6 U	0.7 U	1 U	3.4 UJ	1.6 U	1 U	1 U	0.4 U	7.5 J
COBALT	5.6 U	4.6 U	3.8 U	7.7 U	5.6 U	4.6 U	3.8 U	6.6 U	6.6 U
COPPER	4.3 UJ	4.2 U	12 U	2.6 UJ	21.5 UJ	5.6 UJ	12 U	13.7 J	16.3 J
IRON	31 UJ	47.7 UJ	20.5 UJ	12800	80.1 UJ	32.3 UJ	4.8 U	36.9 UJ	33.5 UJ
LEAD	1 U	1.3 U	1.1 U	1.5 U	1 U	1.3 U	1.1 UJ	1.2 U	1.2 U
MAGNESIUM	3070 J	3740 J	2740 J	275000	17500	18000	20700	11700	17300
MANGANESE	68.5	73.2	76.2	2750	161	166	152	27.6	48.8
MERCURY	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MOLYBDENUM	9.6 U	9.8 U	7.9 U	12.7 U	9.6 U	9.8 U	7.9 U	14 U	14 U
NICKEL	11.3 U	9.3 U	7.5 U	32.8 UJ	11.3 U	9.3 U	7.5 U	16.3 U	16.3 U
POTASSIUM	3650 J	5680	3770 J	111000	7830	7430	8070	29800	26700
SELENIUM	2.7 U	3.7 UJ	2.4 U	3 U	2.7 U	2.6 U	2.4 UJ	2.7 U	2.7 U
SILVER	2 U	0.9 U	0.9 U	1.4 U	2 U	0.9 U	0.9 U	0.9 U	0.9 U
SODIUM	16000	29600	12700	2930000	86000	84300	91500	616000	124000
THALLIUM	3.8 U	2.9 U	3.4 U	2.3 U	3.8 U	3.4 U	3.4 U	2 U	7.6 UJ
TITANIUM									
VANADIUM	4.2 U	7.2 U	3.7 U	7 U	4.2 U	7.2 U	3.7 U	34.4 UJ	6.8 U
ZINC	6.3 UJ	5.3 U	13.1 U	14.3 UJ	22.9 UJ	6.3 UJ	13.1 UJ	9.6 UJ	28.1

Notes:

MG/L Milligrams per liter

UG/L Micrograms per liter

TABLE E-165: SITE 23 DISSOLVED METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	D10B-02	D10B-02	D10B-02	MW530-2	MW530-2	MW530-2	MWOR-5	MWOR-5	MWOR-5	D10B-02
Sample Code	108-S23-001	108-S23-003	108-S23-005	108-S23-002	108-S23-004	108-S23-006	108-S13-003	108-S13-007	108-S13-011	D10B-02-A1638
Sampling Date	11/13/1997	2/12/1998	5/13/1998	11/6/1997	2/6/1998	5/13/1998	11/7/1997	2/10/1998	5/13/1998	12/16/2002
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	GWM 2003
Analyte										
ALUMINUM	32 UJ	40.9 UJ	7.4 UJ	52.8 UJ	236 UJ	920	44.2 UJ	111 UJ	3830	6.8 U
ANTIMONY	1.1 UJ	0.7 U	0.85 U	1.8 UJ	0.7 U	0.85 U	0.74 UJ	0.7 U	0.85 U	0.1 U
ARSENIC	2.2 UJ	0.8 U	1.1 UJ	8.9	7	6.5	1 U	0.8 U	1.5 UJ	3.3 J
BARIUM	90.5 J	80.2 J	310	53 J	67.2 J	312	54.5 J	53.8 J	388	83
BERYLLIUM	0.15 U	0.1 U	0.1 U	0.15 U	0.1 U	0.1 U	0.15 U	0.1 U	0.1 U	2 U
CADMIUM	0.16 J	0.33 J	0.16 UJ	0.15 U	0.2 U	0.15 U	0.15 U	0.38 J	0.15 U	0.083 J
CALCIUM	242000	203000	200000	21700	27600	23600	6800	6980	10500	300000
CHROMIUM	0.3 U	0.2 U	0.35 U	0.56 UJ	1 UJ	3 J	0.32 UJ	0.58 UJ	11.4	0.16 J
COBALT	0.4 U	0.36 UJ	0.3 U	0.42 J	0.68 UJ	0.54 J	1.3 J	1.4 UJ	4.5 J	0.31 J
COPPER	0.65 U	0.35 U	3.6 UJ	0.66 J	0.35 UJ	5 UJ	2.7 J	2.9 UJ	9.4 UJ	0.71 J
IRON	5.6 U	8.4 U	83 U	5.6 U	154 UJ	894	5.6 U	46.3 UJ	4390	940
LEAD	0.65 U	0.6 UJ	0.5 UJ	0.65 U	0.6 U	0.76 UJ	0.65 U	1.1 UJ	1.4 UJ	0.58 U
MAGNESIUM	152000	160000	157000	13100	18600	11500	16400	15800	16200	110000
MANGANESE	394	401	456	53.1	121	64.6	156	146	240	150
MERCURY	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.2 U
MOLYBDENUM	1.3 UJ	0.64 UJ	0.62 J	2.9 UJ	2.8 J	3.7 J	0.86 UJ	0.76 UJ	1 J	2 J
NICKEL	4 J	1.5 UJ	1.5 J	3 UJ	3 UJ	4.5 J	8.8	8.9	22.3	20 UJ
POTASSIUM	15600	13300 J	13200 J	23900 J	22300 J	18300 J	8700 J	7250 J	8720 J	4500
SELENIUM	1 U	9 UJ		1 U	0.8 UJ		1 U	0.8 U		7.4 J
SILVER	0.35 U	0.15 U	0.3 U	0.35 U	0.15 UJ	0.3 U	0.35 U	0.15 UJ	0.3 U	5 U
SODIUM	1360000	1260000 J	1270000	247000	286000	189000	79400	68300	81100	1400000
THALLIUM	0.9 U	1.4 U	1.4 U	0.9 U	1.4 U	1.4 U	0.9 U	1.3 U	1.4 U	0.18 U
TITANIUM										
VANADIUM	0.4 U	0.3 U	0.25 U	3.5 UJ	3.5 UJ	6.3 J	2.6 UJ	2.2 UJ	10.1 J	0.21 U
ZINC	6 J	3.3 UJ	104	9.2 J	4.1 UJ	94.3	2.7 UJ	4.3 UJ	141	20 U

Notes:

MG/L Milligrams per liter

UG/L Micrograms per liter

TABLE E-165: SITE 23 DISSOLVED METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	D10B-02	M10B-01	M10B-01	MW410-4	MW410-4	MW530-2	MW530-2	MW530-3
Sample Code	D10B-02-A1137	M10B-01-A1644	M10B-01-A1143	MW410-4-A1653	MW410-4-A1152	MW530-2-A1655	MW530-2-A1154	MW530-3-A1656
Sampling Date	6/28/2002	12/16/2002	6/18/2002	12/16/2002	6/18/2002	12/16/2002	6/18/2002	12/16/2002
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003
Analyte								
ALUMINUM	4.9 U	63 J	38 J	7.2 U	100 U	6 U	100 U	10 U
ANTIMONY	0.095 U	0.33 U	0.22 J	0.12 U	0.1 J	0.13 U	0.2 J	0.063 U
ARSENIC	2.1 J	17	9	2.4 J	3.7 J	8.2	9.4	16
BARIUM	84	44	66	56	62	50	57	47
BERYLLIUM	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
CADMIUM	5 U	0.066 J	5 U	5 U	5 U	5 U	5 U	0.19 J
CALCIUM	210000	52000	62000	29000	29000	20000	29000	76000
CHROMIUM	1.1 J	0.75 J	8 J	3.1 J	7.1 J	10 U	1.7 J	10 U
COBALT	0.54 J	0.4 J	0.42 J	0.033 J	0.033 J	0.31 J	0.3 J	0.11 J
COPPER	1.6 U	1.6 J	2 J	0.45 J	0.48 J	0.61 J	0.92 J	0.84 J
IRON	630	970	1100	90 U	54 J	72 U	64 J	420
LEAD	0.029 U	0.35 U	0.31 J	0.26 U	0.029 J	0.31 U	0.075 J	0.24 U
MAGNESIUM	140000	53000	56000	7400	7500	12000	13000	8200
MANGANESE	360	380	350	10 U	10 U	61	54	290
MERCURY	0.2 U	0.18 U	1.7	0.2 U	0.2 U	0.12 J	0.2 U	0.2 U
MOLYBDENUM	1.1 U	2.5 J	4.4 J	0.85 J	0.95 U	3.1 J	3.1 U	2.1 J
NICKEL	2 U	20 UJ	1.9 J	20 UJ	0.47 J	20 UJ	2 J	20 UJ
POTASSIUM	4300	30000	32000	12000	12000	15000	14000	5900
SELENIUM	6	0.49 J	3.2 J	5 UJ	0.5 J	5 UJ	0.76 J	5 UJ
SILVER	5 UR	0.019 J	5 U	5 U	5 U	5 U	5 U	5 U
SODIUM	1200000	730000	690000	65000	64000	270000	180000	30000
THALLIUM	2 U	0.29 U	2 U	0.43 U	2 U	0.26 U	2 U	0.29 U
TITANIUM								
VANADIUM	1.3 J	30	9.7 J	4.8 J	7.2 J	2.6 U	6.3 J	10 U
ZINC	20 U	20 U	9.1 J	1.8 J	20 U	3.1 J	20 U	33 J

Notes:

MG/L Milligrams per liter

UG/L Micrograms per liter

TABLE E-165: SITE 23 DISSOLVED METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-3	MW410-4	MW530-1	MW530-2	MW530-3	MWOR-5
Sample Code	MW530-3-A1155	MW410-4 [08/22/90]	MW530-1 [08/23/90]	MW530-2 [08/23/90]	MW530-3 [08/24/90]	MWOR-5 [08/28/90]
Sampling Date	6/18/2002	8/22/1990	8/23/1990	8/23/1990	8/24/1990	8/28/1990
Sampling Depth (feet bgs)	-	-	-	-	-	-
Units	UG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	GWM 2003	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte						
ALUMINUM	100 U	85	54	92	129	223
ANTIMONY	50 U	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
ARSENIC	18	0.05 U	0.057	0.05 U	0.11	0.05 U
BARIUM	45	0.35	2.4	0.47	0.53	1.3
BERYLLIUM	2 U	0.005 U	0.005 U	0.005 U	0.005 U	0.006
CADMIUM	5 U	0.005 U	0.005 U	0.005 U	0.007	0.005 U
CALCIUM	75000	36	129	43	107	23
CHROMIUM	1.7 J	0.34	0.34	0.3	0.4	0.65
COBALT	0.09 J	0.06	0.05 U	0.063	0.073	0.13
COPPER	0.31 J	0.12	0.16	0.17	0.19	0.25
IRON	220	136	162	141	160	296
LEAD	3 U	0.058	0.36	0.11	0.2 U	0.055
MAGNESIUM	6400	40	33	45	56	81
MANGANESE	170	1.2	0.77	1.7	2.4	5.4
MERCURY	0.2 U					
MOLYBDENUM	1.7 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
NICKEL	0.42 J	0.36	0.17	0.35	0.45	0.8
POTASSIUM	5700	23	30	26	25	35
SELENIUM	5 U	0.055	0.068	0.1 U	0.05 U	0.12
SILVER	5 U	0.01 U	0.018	0.01 U	0.01 U	0.01 U
SODIUM	22000	53	274	237	65	97
THALLIUM	2 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
TITANIUM		2.6	12	2.4	3.5	5.4
VANADIUM	0.93 J	0.25	0.3	0.3	0.33	0.51
ZINC	1.7 J	0.28	0.28	0.36	0.44	0.63

Notes:

MG/L Milligrams per liter

UG/L Micrograms per liter

TABLE E-166: SITE 23 TOTAL METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	D10B-02	MWOR-5	MW530-2
Sample Code	108-S23-007	108-S13-015	108-S23-008
Sampling Date	8/7/1998	8/7/1998	8/10/1998
Sampling Depth (feet bgs)	-	-	-
Units	UG/L	UG/L	UG/L
Investigation	FO 1998	FO 1998	FO 1998
Analyte			
ALUMINUM	29.9 UJ	17.8 UJ	32.3 UJ
ANTIMONY	3.4 UJ	2.7 UJ	1.8 U
ARSENIC	2.1 U	2.1 U	11.5 UJ
BARIUM	59.2 J	51.1 J	39.4 J
BERYLLIUM	0.2 U	0.2 U	0.2 U
CADMIUM	0.35 J	0.54 J	0.3 U
CALCIUM	136000	6590	16300
CHROMIUM	2.7 J	0.8 U	0.8 U
COBALT	2.4 UJ	4.4 J	2.7 J
COPPER	1.7 UJ	5.2 UJ	2.5 UJ
IRON	125 U	13.4 J	12.5 U
LEAD	1.7 U	2.9 J	23.9
MAGNESIUM	107000	14700	10000
MANGANESE	388	156	81.4
MERCURY	0.1 U	0.1 U	0.1 U
MOLYBDENUM	2.3 J	1.7 J	4 UJ
NICKEL	2.5 UJ	8.9 UJ	2.2 UJ
POTASSIUM	11900	6540	18700 J
SELENIUM	2.2 UJ	2.2 UJ	2.2 UJ
SILVER	0.7 U	0.7 U	0.7 U
SODIUM	898000	67200	276000 J
THALLIUM	1.1 U	1.1 U	1.1 U
VANADIUM	4.4 J	2.4 J	3.8 UJ
ZINC	8.6 J	7.4 J	7.4 UJ

Notes:

UG/L Micrograms per liter

TABLE E-167: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	530-MJ-MW-1	530-MJ-MW-2	530-MJ-MW-3	D10B-01	D10B-02	M09-05	M10B-01	MW530-1	MW530-2
Sample Code	385-S23-008	385-S23-009	385-S23-010	385-S23-006	385-S23-007	385-S09-029	385-S23-005	385-S23-002	385-S23-003
Sampling Date	7/9/2001	7/9/2001	7/6/2001	7/9/2001	7/9/2001	6/25/2001	7/6/2001	7/6/2001	7/6/2001
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	DGS	DGS	DGS	DGS	DGS	DGS	DGS	DGS	DGS
Analyte									
BENZENE									
DIESEL RANGE ORGANICS	400000 J	870 UJ	0.23 DM	0.1 U	0.1 U	0.1 U	0.51 D	0.99 D	0.2 D
ETHYLBENZENE									
GASOLINE RANGE ORGANICS			0.05 U	0.05 U	0.05 U	0.04 J	0.05 U	0.11 H	0.05 U
JP5 RANGE ORGANICS	760000 J	24000 J	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
METHYL-T-BUTYL ETHER									
MOTOR OIL RANGE ORGANICS	200000 J	870 UJ	0.1 U	0.2 M	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
TOLUENE									
XYLENE (TOTAL)									

Location	MW530-3	MWOR-5	S23-DGS-VE01	S23-DGS-VE02	211-002-010	D10B-01	D10B-01	D10B-01	D10B-01
Sample Code	385-S23-004	385-S13-005	385-S23-015	385-S23-023	211-0011	280-S10B-138	280-S10B-141	280-S10B-142	280-S10B-143
Sampling Date	7/6/2001	6/29/2001	8/8/2001	8/21/2001	10/17/1995	12/15/1994	2/22/1995	6/23/1995	9/14/1995
Sampling Depth (feet bgs)	-	-	8 - 10	7 -	9 - 9	-	-	-	-
Units	MG/L	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	DGS	DGS	DGS	DGS	EBS PHASE 2B	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
BENZENE									
DIESEL RANGE ORGANICS	0.44 D	0.1 U	2800 J	200 U	290 dYJ	100 U	100 U	180 J	100 U
ETHYLBENZENE									
GASOLINE RANGE ORGANICS	0.05 U	0.05 U	130 J		50 U	50 U	50 U	50 U	50 U
JP5 RANGE ORGANICS	0.1 U	0.1 U				100 U	100 U	100 U	100 U
METHYL-T-BUTYL ETHER									
MOTOR OIL RANGE ORGANICS	0.1 U	0.1 U	200 U	200 U	300 UQ	500 U	200 U	200 U	500 U
TOLUENE									
XYLENE (TOTAL)									

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-167: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	D10B-02	D10B-02	D10B-02	D10B-02	DHP-S10B-01	DHP-S10B-02	DHP-S10B-03	DHP-S10B-04	DHP-S10B-05
Sample Code	280-S10B-139	280-S10B-144	280-S10B-145	280-S10B-146	280-S10B-110	280-S10B-111	280-S10B-112	280-S10B-114	280-S10B-115
Sampling Date	12/15/1994	2/22/1995	6/23/1995	9/14/1995	7/15/1994	7/15/1994	7/18/1994	7/15/1994	7/15/1994
Sampling Depth (feet bgs)	-	-	-	-	40 -	33 -	24 -	24.5 -	21 -
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
BENZENE									
DIESEL RANGE ORGANICS	100 U	100 U	100 U	100 U	7620 J	100 UJ	100 UJ	100 UJ	100 UJ
ETHYLBENZENE									
GASOLINE RANGE ORGANICS	50 U	50 U	50 U	50 U	630 J	50 U	50 U	50 U	50 U
JP5 RANGE ORGANICS	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
METHYL-T-BUTYL ETHER									
MOTOR OIL RANGE ORGANICS	500 U	200 U	390 J	500 U	500 U	530 J	890 J	2650	500 U
TOLUENE									
XYLENE (TOTAL)									

Location	DHP-S13-05	M09-05	M09-05	M09-05	M09-05	M10B-01	M10B-01	M10B-01	M10B-01
Sample Code	280-S13-076	280-S09-044	280-S09-046	280-S09-047	280-S09-048	280-S10B-140	280-S10B-147	280-S10B-148	280-S10B-149
Sampling Date	8/29/1994	11/30/1994	2/21/1995	6/21/1995	8/7/1995	12/1/1994	2/22/1995	6/23/1995	8/9/1995
Sampling Depth (feet bgs)	13.5 - 17	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
BENZENE									
DIESEL RANGE ORGANICS	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	850 J
ETHYLBENZENE									
GASOLINE RANGE ORGANICS	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
JP5 RANGE ORGANICS	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
METHYL-T-BUTYL ETHER									
MOTOR OIL RANGE ORGANICS	260 J	500 U	500 U	280 J	200 U	1100 J	480 J	620 J	500 U
TOLUENE									
XYLENE (TOTAL)									

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-167: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW410-4	MW410-4	MW410-4	MW410-4	MW530-1	MW530-1	MW530-1	MW530-1	MW530-2
Sample Code	280-S09-040	280-S09-041	280-S09-042	280-S09-043	280-S10B-017	280-S10B-018	280-S10B-020	280-S10B-021	280-S10B-022
Sampling Date	10/19/1994	2/21/1995	6/23/1995	8/7/1995	10/19/1994	2/22/1995	6/26/1995	8/9/1995	10/19/1994
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
BENZENE									
DIESEL RANGE ORGANICS	100 U	100 U	100 U	100 U	4820 J	3500 J	100 U	4400 J	100 U
ETHYLBENZENE									
GASOLINE RANGE ORGANICS	50 U	50 U	50 U	50 U	670 J	1100 J	1100	900 J	50 U
JP5 RANGE ORGANICS	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
METHYL-T-BUTYL ETHER									
MOTOR OIL RANGE ORGANICS	620 J	500 U	500 U	200 U	200 U	200 U	6800 J	500 U	790 J
TOLUENE									
XYLENE (TOTAL)									

Location	MW530-2	MW530-2	MW530-2	MW530-3	MW530-3	MW530-3	MW530-3	MWOR-5	MWOR-5
Sample Code	280-S10B-023	280-S10B-024	280-S10B-025	280-S10B-026	280-S10B-027	280-S10B-028	280-S10B-029	280-S13-050	280-S13-051
Sampling Date	2/22/1995	6/26/1995	8/8/1995	10/19/1994	2/22/1995	6/26/1995	8/9/1995	10/21/1994	2/23/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte									
BENZENE									
DIESEL RANGE ORGANICS	100 U	100 U	500 J	100 U	100 U	100 U	100 U	100 U	100 U
ETHYLBENZENE									
GASOLINE RANGE ORGANICS	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
JP5 RANGE ORGANICS	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U	100 U
METHYL-T-BUTYL ETHER									
MOTOR OIL RANGE ORGANICS	490 J	690 J	500 U	570 J	220 J	500 U	500 U	2720 J	200 U
TOLUENE									
XYLENE (TOTAL)									

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-167: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MWOR-5	MWOR-5	SHP-S10B-05	SHP-S10B-06	MW530-2	MW530-2	MW530-2	MW530-2	MW530-2
Sample Code	280-S13-052	280-S13-053	280-S10B-127	280-S10B-128	108-S23-002	108-S23-002	108-S23-004	108-S23-004	108-S23-006
Sampling Date	6/28/1995	8/11/1995	8/22/1994	8/22/1994	11/6/1997	11/6/1997	2/6/1998	2/6/1998	5/13/1998
Sampling Depth (feet bgs)	-	-	5 - 8.5	4.5 - 8	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	MG/L	UG/L	MG/L	UG/L	MG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998
Analyte									
BENZENE									
DIESEL RANGE ORGANICS	100 U	100 U	100 U	1240 J	1 J		0.54 J		0.4 J
ETHYLBENZENE									
GASOLINE RANGE ORGANICS	50 U	50 U	460 J	50 U		50 U		50 U	
JP5 RANGE ORGANICS	100 U	100 U	100 U	100 U					
METHYL-T-BUTYL ETHER									
MOTOR OIL RANGE ORGANICS	500 U	500 U	3620 J	500 U	0.8 UJ		0.3 J		0.24 UJ
TOLUENE									
XYLENE (TOTAL)									

Location	MW530-2	MW530-2	MWOR-5	MWOR-5	MWOR-5	MWOR-5	MWOR-5	MWOR-5	MWOR-5
Sample Code	108-S23-008	108-S23-008	108-S13-003	108-S13-003	108-S13-007	108-S13-007	108-S13-011	108-S13-011	108-S13-015
Sampling Date	8/10/1998	8/10/1998	11/7/1997	11/7/1997	2/10/1998	2/10/1998	5/13/1998	5/13/1998	8/7/1998
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	MG/L	UG/L	MG/L	UG/L	MG/L	UG/L	MG/L	UG/L	MG/L
Investigation	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998
Analyte									
BENZENE									
DIESEL RANGE ORGANICS	0.76 J		0.1 UJ		0.12 UJ		0.12 U		0.12 UJ
ETHYLBENZENE									
GASOLINE RANGE ORGANICS		50 U		29 J		50 U		42 J	
JP5 RANGE ORGANICS									
METHYL-T-BUTYL ETHER									
MOTOR OIL RANGE ORGANICS	0.47 J		0.3 U		0.21 J		0.24 U		0.24 UJ
TOLUENE									
XYLENE (TOTAL)									

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-167: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-2	D10B-02	D10B-02	M10B-01	M10B-01	M10B-01	M10B-01	MW410-4
Sample Code	108-S23-006	D10B-02-A1638	D10B-02-A1137	M10B-01-A1644	M10B-01-A1995	M10B-01-A1143	M10B-01-A1342	MW410-4-A1653
Sampling Date	5/13/1998	12/16/2002	6/28/2002	12/16/2002	4/10/2003	6/18/2002	9/5/2002	12/16/2002
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1998	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003
Analyte								
BENZENE								
DIESEL RANGE ORGANICS		50 U	50 UJ	50 U	50 U	50 U	50 U	50 U
ETHYLBENZENE								
GASOLINE RANGE ORGANICS	36 J	50 U	26 U	50 U	26 U	50 U	50 U	50 U
JP5 RANGE ORGANICS		50 UJ	50 UJ	50 UJ	50 U	50 U	50 U	50 UJ
METHYL-T-BUTYL ETHER								
MOTOR OIL RANGE ORGANICS		65 J	300 UJ	300 U	300 U	300 U	300 U	300 U
TOLUENE								
XYLENE (TOTAL)								

Location	MWOR-5	MW410-4	MW410-4	MW530-2	MW530-2	MW530-3	MW530-3
Sample Code	108-S13-015	MW410-4-A1152	MW410-4-A1346	MW530-2-A1655	MW530-2-A1154	MW530-3-A1656	MW530-3-A1155
Sampling Date	8/7/1998	6/18/2002	9/4/2002	12/16/2002	6/18/2002	12/16/2002	6/18/2002
Sampling Depth (feet bgs)	-	-	-	-	-	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	FO 1998	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003
Analyte							
BENZENE							
DIESEL RANGE ORGANICS		50 U	50 U	55 y	50 U	240	50 U
ETHYLBENZENE							
GASOLINE RANGE ORGANICS	50 UJ	50 U	50 U	50 U	50 U	21 J	50 U
JP5 RANGE ORGANICS		50 U	50 U	50 UJ	50 U	150 y	50 U
METHYL-T-BUTYL ETHER							
MOTOR OIL RANGE ORGANICS		300 U	300 U	300 U	300 U	300 U	300 U
TOLUENE							
XYLENE (TOTAL)							

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-167: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW410-4
Sample Code	MW410-4-A1999
Sampling Date	4/9/2003
Sampling Depth (feet bgs)	-
Units	UG/L
Investigation	GWM 2003
Analyte	
BENZENE	
DIESEL RANGE ORGANICS	50 U
ETHYLBENZENE	
GASOLINE RANGE ORGANICS	18 U
JP5 RANGE ORGANICS	50 U
METHYL-T-BUTYL ETHER	
MOTOR OIL RANGE ORGANICS	300 U
TOLUENE	
XYLENE (TOTAL)	

Location
Sample Code
Sampling Date
Sampling Depth (feet bgs)
Units
Investigation
Analyte
BENZENE
DIESEL RANGE ORGANICS
ETHYLBENZENE
GASOLINE RANGE ORGANICS
JP5 RANGE ORGANICS
METHYL-T-BUTYL ETHER
MOTOR OIL RANGE ORGANICS
TOLUENE
XYLENE (TOTAL)

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-168: SITE 23 TOTAL RECOVERABLE PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-1	MW530-2	MW530-3	MWOR-5
Sample Code	MW530-1 [08/23/90]	MW530-2 [08/23/90]	MW530-3 [08/24/90]	MWOR-5 [08/28/90]
Sampling Date	8/23/1990	8/23/1990	8/24/1990	8/28/1990
Sampling Depth (feet bgs)	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte				
OIL & GREASE	48		5 U	
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS	72.6	0.05 U	0.18	0.05 U

Notes:

MG/L Milligrams per liter

TABLE E-169: SITE 23 DISSOLVED GASES IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	D10B-02	D10B-02	M10B-01	M10B-01	MW410-4	MW410-4	MW530-2	MW530-2
Sample Code	D10B-02-A1638	D10B-02-A1137	M10B-01-A1644	M10B-01-A1143	MW410-4-A1653	MW410-4-A1152	MW530-2-A1655	MW530-2-A1154
Sampling Date	12/16/2002	6/28/2002	12/16/2002	6/18/2002	12/16/2002	6/18/2002	12/16/2002	6/18/2002
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003
Analyte								
ETHANE	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
ETHENE	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
METHANE	0.01 U	0.01 U	0.02	0.034	0.01 U	0.01 U	0.01 U	0.01 U

Location	MW530-3	MW530-3
Sample Code	MW530-3-A1656	MW530-3-A1155
Sampling Date	12/16/2002	6/18/2002
Sampling Depth (feet bgs)	-	-
Units	MG/L	MG/L
Investigation	GWM 2003	GWM 2003
Analyte		
ETHANE	0.01 U	0.01 U
ETHENE	0.01 U	0.01 U
METHANE	0.5	0.26

Notes:

MG/L Milligrams per liter

TABLE E-170: SITE 23 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	D10B-01	D10B-01	D10B-01	D10B-01	D10B-02	D10B-02	D10B-02
Sample Code	280-S10B-138	280-S10B-141	280-S10B-142	280-S10B-143	280-S10B-139	280-S10B-144	280-S10B-145
Sampling Date	12/15/1994	2/22/1995	6/23/1995	9/14/1995	12/15/1994	2/22/1995	6/23/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte							
ACIDITY	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BICARBONATE							
BICARBONATE ALKALINITY							
BROMIDE							
CARBONATE							
CARBONATE ALKALINITY							
CHLORIDE	13400	15100	13500	15100	3100	4500	2810
COD (TOTAL)	2000	1700	537	1960	220	110	64.3
CONDUCTANCE, UMHOS/CM	34000				9100		
DISSOLVED OXYGEN							
DISSOLVED SULFIDES	10 U				10 U	70.7	
FLUORIDE	0.1 U	0.1 U	0.1 U	0.1 UJ	0.1	0.1 U	0.1 U
HARDNESS	9300	10000	10100	10200	1400	1200	1280
HYDROXIDE ALKALINITY							
NITRATE				0.25 U			
NITRATE/NITRITE (AS N)	0.14	0.32	0.05 U	0.05 U	0.1 U	0.17	0.055
NITRITE				50 U			
PH, UNITS	6.9	6.8	6.9	6.9	8.5	8.6	8.3
PHOSPHATE							
SULFATE	1800	1980	1940	1940	468	692	486
SULFIDE							10 U
SURFACTANTS (MBAS)							
TDS	11000	26000	29400	33100	5500	4800	5600
TOTAL ALKALINITY	222	202	254	210	163	50.4	176
TOTAL ORGANIC CARBON	1 U	2	1.1 J	1.1 J	1 U	1 U	1 UJ

Notes:

MG/L	Milligrams per liter
MG/L-CACO3	Milligrams per liter calcium carbonate
UMHOS	Micromhos
UMHOS/CM	Micromhos per centimeter

TABLE E-170: SITE 23 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	D10B-02	DHP-S09-04	DHP-S10B-01	DHP-S10B-02	DHP-S10B-03	DHP-S10B-04	DHP-S10B-05	DHP-S13-05
Sample Code	280-S10B-146	280-S09-056	280-S10B-110	280-S10B-111	280-S10B-112	280-S10B-114	280-S10B-115	280-S13-076
Sampling Date	9/14/1995	8/26/1994	7/15/1994	7/15/1994	7/18/1994	7/15/1994	7/15/1994	8/29/1994
Sampling Depth (feet bgs)	-	22 -	40 -	33 -	24 -	24.5 -	21 -	13.5 - 17
Units	MG/L	MG/L	MG/L	MG/L	MG/L-CACO3	MG/L	MG/L-CACO3	MG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte								
ACIDITY	10 U	10 U	846	10 U		10 U		10 U
BICARBONATE								
BICARBONATE ALKALINITY								
BROMIDE								
CARBONATE								
CARBONATE ALKALINITY								
CHLORIDE	4820	69.4	4430	338		2480		17
COD (TOTAL)	187		885 J	46.8 J		183 J		21.6 J
CONDUCTANCE, UMHOS/CM		1990						587
DISSOLVED OXYGEN								
DISSOLVED SULFIDES			10 U	10 U		10 U		
FLUORIDE	0.1 UJ	1.2	0.52	0.25		0.19		0.4
HARDNESS	1330	25 U	7100	410	4350	420	1950	110
HYDROXIDE ALKALINITY								
NITRATE	0.1 U							
NITRATE/NITRITE (AS N)	0.05 U	0.5 U	0.05 U	3.5		3.4		3.5 J
NITRITE	12.5 U							
PH, UNITS	8.2	8.6	4.7 J	7.1 J		9.8 J		7.8
PHOSPHATE								
SULFATE	486	24.6	5340	189		440		52.1
SULFIDE	10 U							
SURFACTANTS (MBAS)								
TDS	6200	1430	14300	1090		5190		250
TOTAL ALKALINITY	136	1450	1 U	114		1250		251 J
TOTAL ORGANIC CARBON	1 UJ	3.5	35.9	7.6	4.9	11.3		5.7

Notes:

MG/L	Milligrams per liter
MG/L-CACO3	Milligrams per liter calcium carbonate
UMHOS	Micromhos
UMHOS/CM	Micromhos per centimeter

TABLE E-170: SITE 23 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	M09-05	M09-05	M09-05	M09-05	M10B-01	M10B-01	M10B-01	M10B-01
Sample Code	280-S09-044	280-S09-046	280-S09-047	280-S09-048	280-S10B-140	280-S10B-147	280-S10B-148	280-S10B-149
Sampling Date	11/30/1994	2/21/1995	6/21/1995	8/7/1995	12/1/1994	2/22/1995	6/23/1995	8/9/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte								
ACIDITY	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BICARBONATE								
BICARBONATE ALKALINITY								
BROMIDE								
CARBONATE								
CARBONATE ALKALINITY								
CHLORIDE	8.4	8.8	9.6	9.5	8.8	468	916	1270
COD (TOTAL)	5 U	8	5 U	5 U	130	39	88.2	63.7
CONDUCTANCE, UMHOS/CM	330				300			
DISSOLVED OXYGEN								
DISSOLVED SULFIDES								
FLUORIDE	0.1 U	0.1 U	0.1 U	0.1 U	0.17	0.3	0.23	0.86
HARDNESS	150	140	143	136	76	200	355	500
HYDROXIDE ALKALINITY								
NITRATE				1.2				0.25 U
NITRATE/NITRITE (AS N)	0.88	2.1	1.2	1.3	0.05 U	0.85	0.54	0.05 U
NITRITE				0.05 U				7.5 U
PH, UNITS	7.9 J	7.9	7.8	7.8	8	7.7	7.5	7.4
PHOSPHATE								
SULFATE	16.5	15.9	16.4	18.9	24.5	157	313	351
SULFIDE								
SURFACTANTS (MBAS)								
TDS	200 J	200 J	237	220	210	1400	2830	3490
TOTAL ALKALINITY	154	145	175	150	120	445	796	869
TOTAL ORGANIC CARBON	2 J	2	2.3	1.3	33 J	14	18 J	20.3

Notes:

MG/L	Milligrams per liter
MG/L-CACO3	Milligrams per liter calcium carbonate
UMHOS	Micromhos
UMHOS/CM	Micromhos per centimeter

TABLE E-170: SITE 23 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW410-4	MW410-4	MW410-4	MW410-4	MW530-1	MW530-1	MW530-1	MW530-1
Sample Code	280-S09-040	280-S09-041	280-S09-042	280-S09-043	280-S10B-017	280-S10B-018	280-S10B-020	280-S10B-021
Sampling Date	10/19/1994	2/21/1995	6/23/1995	8/7/1995	10/19/1994	2/22/1995	6/26/1995	8/9/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte								
ACIDITY	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BICARBONATE								
BICARBONATE ALKALINITY								
BROMIDE								
CARBONATE								
CARBONATE ALKALINITY								
CHLORIDE	1600	10	9.3	10	97.1	84.9	85.8	73.2
COD (TOTAL)	59.5 J	5 U	5 U	5 U	87.3 J	71	67.6	47.8
CONDUCTANCE, UMHOS/CM	5160				1980			
DISSOLVED OXYGEN								
DISSOLVED SULFIDES								
FLUORIDE	0.39	0.1 U	0.1 U	0.11	0.19	0.1 U	0.1 U	0.1
HARDNESS	600	69	108	110	365	400	410	160
HYDROXIDE ALKALINITY								
NITRATE				1				0.05 U
NITRATE/NITRITE (AS N)	0.64	1	1.1	1.1	0.5 U	0.79	0.053	0.05 U
NITRITE				0.05 U				0.5 U
PH, UNITS	8.2	8.4	8.3	8.2	7.4	6.6	6.6	6.6
PHOSPHATE								
SULFATE	39.7 J	16.5	11.9	14	202 J	261	219	191
SULFIDE								
SURFACTANTS (MBAS)								
TDS	2610	190 J	200	221	1400	1200	1200	1370
TOTAL ALKALINITY	548	126	271	128	656	638	733	660
TOTAL ORGANIC CARBON	11.1 J	2	1.4	1.4	20.6 J	33	23.1	22.8

Notes:

MG/L	Milligrams per liter
MG/L-CACO3	Milligrams per liter calcium carbonate
UMHOS	Micromhos
UMHOS/CM	Micromhos per centimeter

TABLE E-170: SITE 23 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-2	MW530-2	MW530-2	MW530-2	MW530-3	MW530-3	MW530-3
Sample Code	280-S10B-022	280-S10B-023	280-S10B-024	280-S10B-025	280-S10B-026	280-S10B-027	280-S10B-028
Sampling Date	10/19/1994	2/22/1995	6/26/1995	8/8/1995	10/19/1994	2/22/1995	6/26/1995
Sampling Depth (feet bgs)	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994
Analyte							
ACIDITY	10 U	10 U	10 U	10 U	10 U	10 U	10 U
BICARBONATE							
BICARBONATE ALKALINITY							
BROMIDE							
CARBONATE							
CARBONATE ALKALINITY							
CHLORIDE	123	150	91.5	120	23.9	6.1	8.3
COD (TOTAL)	31.7 J	31	25.8	15.9	21.8 J	5 U	5 U
CONDUCTANCE, UMHOS/CM	1300				413		
DISSOLVED OXYGEN							
DISSOLVED SULFIDES							
FLUORIDE	1.8	0.25	0.29	1.2	0.61	0.12	0.1 U
HARDNESS	110	160	160	150	110	62	80.8
HYDROXIDE ALKALINITY							
NITRATE				0.73			
NITRATE/NITRITE (AS N)	0.05 U	0.91	0.81	0.68	0.5 U	0.08	0.05 U
NITRITE				0.5 U			
PH, UNITS	8.3	7.8	7.8	7.8	7.8	7.9	8
PHOSPHATE							
SULFATE	47.7 J	61.2	61.8	59.5	10.7 J	6.3	8.6
SULFIDE							
SURFACTANTS (MBAS)							
TDS	846	840	732	860	404	140	142
TOTAL ALKALINITY	448	525	449	460	164	63	95.4
TOTAL ORGANIC CARBON	6.2 J	13	10	9.3	2.9 J	3	2.4

Notes:

MG/L	Milligrams per liter
MG/L-CACO3	Milligrams per liter calcium carbonate
UMHOS	Micromhos
UMHOS/CM	Micromhos per centimeter

TABLE E-170: SITE 23 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW530-3	MWOR-5	MWOR-5	MWOR-5	MWOR-5	SHP-S10B-05	SHP-S10B-06	D10B-02
Sample Code	280-S10B-029	280-S13-050	280-S13-051	280-S13-052	280-S13-053	280-S10B-127	280-S10B-128	108-S23-001
Sampling Date	8/9/1995	10/21/1994	2/23/1995	6/28/1995	8/11/1995	8/22/1994	8/22/1994	11/13/1997
Sampling Depth (feet bgs)	-	-	-	-	-	5 - 8.5	4.5 - 8	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1994	FO 1998
Analyte								
ACIDITY	10 U	10 U	10 U	10 U	10 U			
BICARBONATE								135
BICARBONATE ALKALINITY								
BROMIDE								13
CARBONATE								10 U
CARBONATE ALKALINITY								
CHLORIDE	10.4	5010	15.1	16	14.6			2520
COD (TOTAL)	5 U	237 J	8	9.1	7.9			
CONDUCTANCE, UMHOS/CM		14600						
DISSOLVED OXYGEN								
DISSOLVED SULFIDES						10 U		
FLUORIDE	0.41	0.51	0.1 U	0.34	0.32			2 U
HARDNESS	88	2010	1000	112	118	140	135	
HYDROXIDE ALKALINITY								10 U
NITRATE	0.05 U				1.5			0.3 U
NITRATE/NITRITE (AS N)	0.05 U	0.5 U	0.75	1.3	1.4			
NITRITE	0.05 U				0.2			5 U
PH, UNITS	7.9	7.5	7.1	7.1	7			
PHOSPHATE								0.3 U
SULFATE	9.6	254 J	46.2	50.7	51			489
SULFIDE								1 U
SURFACTANTS (MBAS)								
TDS	198	8610	440	442	373			5900
TOTAL ALKALINITY	110	1210	216	231	210			135
TOTAL ORGANIC CARBON	2.2	17.8 J	7	6.1	6.3			1 U

Notes:

MG/L	Milligrams per liter
MG/L-CACO3	Milligrams per liter calcium carbonate
UMHOS	Micromhos
UMHOS/CM	Micromhos per centimeter

TABLE E-170: SITE 23 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	D10B-02	D10B-02	D10B-02	MW530-2	MW530-2	MW530-2	MW530-2	MWOR-5
Sample Code	108-S23-003	108-S23-005	108-S23-007	108-S23-002	108-S23-004	108-S23-006	108-S23-008	108-S13-003
Sampling Date	2/12/1998	5/13/1998	8/7/1998	11/6/1997	2/6/1998	5/13/1998	8/10/1998	11/7/1997
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998	FO 1998
Analyte								
ACIDITY								
BICARBONATE	149	190	145	478	424	373	435	206
BICARBONATE ALKALINITY								
BROMIDE	11.8	7	7.2 J	0.75	0.61	0.2	1.1 J	0.18
CARBONATE	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
CARBONATE ALKALINITY								
CHLORIDE	2540	2790	1580	178	180	58.1	273 J	14.5 J
COD (TOTAL)								
CONDUCTANCE, UMHOS/CM								
DISSOLVED OXYGEN								
DISSOLVED SULFIDES								
FLUORIDE	0.1 U	1 U	0.5 U	1.8	0.86	1.1 J	1.6 J	0.48
HARDNESS								
HYDROXIDE ALKALINITY	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
NITRATE	1 U	2	0.71	0.1 U	0.66 J	0.82	0.5 U	2
NITRATE/NITRITE (AS N)								
NITRITE	10 U	3 U	2.5 U	0.2 U	0.2 UJ	0.1 U	2.5 U	0.17
PH, UNITS								
PHOSPHATE	1 U	0.1 U	0.5 U	2.8	0.92 J	0.67 J	3.3	0.14
SULFATE	417	427 J	312	71.1	48	43.8 J	42.4	44.1 J
SULFIDE	1 U	1 J	1 U	1 U	1 U	1.1 J	1 UJ	1 U
SURFACTANTS (MBAS)								
TDS	4900	5400	3500	920	150	920	1200	290
TOTAL ALKALINITY	149	190	145	478	424	373	435	206
TOTAL ORGANIC CARBON				16 J				7 J

Notes:

MG/L	Milligrams per liter
MG/L-CACO3	Milligrams per liter calcium carbonate
UMHOS	Micromhos
UMHOS/CM	Micromhos per centimeter

TABLE E-170: SITE 23 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MWOR-5	MWOR-5	MWOR-5	D10B-02	D10B-02	M10B-01	M10B-01
Sample Code	108-S13-007	108-S13-011	108-S13-015	D10B-02-A1638	D10B-02-A1137	M10B-01-A1644	M10B-01-A1143
Sampling Date	2/10/1998	5/13/1998	8/7/1998	12/16/2002	6/28/2002	12/16/2002	6/18/2002
Sampling Depth (feet bgs)	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	FO 1998	FO 1998	FO 1998	GWM 2003	GWM 2003	GWM 2003	GWM 2003
Analyte							
ACIDITY							
BICARBONATE	212	187	213				
BICARBONATE ALKALINITY				190	130	590	670
BROMIDE	0.24	0.24	0.5 UJ				
CARBONATE	10 U	10 U	10 U				
CARBONATE ALKALINITY				1 U	1 U	1 U	1 U
CHLORIDE	13.3	13.6	14.1	2500	2500	580	680
COD (TOTAL)							
CONDUCTANCE, UMHOS/CM							
DISSOLVED OXYGEN							
DISSOLVED SULFIDES							
FLUORIDE	0.3	0.39 J	0.5 U				
HARDNESS							
HYDROXIDE ALKALINITY	10 U	10 U	10 U	1 U	1 U	1 U	1 U
NITRATE	1.7	3.2	3.5	0.25 U	0.25 U	0.14	0.64
NITRATE/NITRITE (AS N)							
NITRITE	0.18	0.17	0.5 U	0.25 U	0.25 U	0.05 U	0.05 U
PH, UNITS							
PHOSPHATE	0.14	0.16 J	0.5 U				
SULFATE	37.2	39.4 J	44	500	420	250	370
SULFIDE	1 U	1 J	1 J	0.04 U	0.04 U	0.04 U	0.04 U
SURFACTANTS (MBAS)							
TDS	190	860	370				
TOTAL ALKALINITY	212	187	213	190	130	590	670
TOTAL ORGANIC CARBON							

Notes:

MG/L	Milligrams per liter
MG/L-CACO3	Milligrams per liter calcium carbonate
UMHOS	Micromhos
UMHOS/CM	Micromhos per centimeter

TABLE E-170: SITE 23 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW410-4	MW410-4	MW530-2	MW530-2	MW530-3	MW530-3
Sample Code	MW410-4-A1653	MW410-4-A1152	MW530-2-A1655	MW530-2-A1154	MW530-3-A1656	MW530-3-A1155
Sampling Date	12/16/2002	6/18/2002	12/16/2002	6/18/2002	12/16/2002	6/18/2002
Sampling Depth (feet bgs)	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003	GWM 2003
Analyte						
ACIDITY						
BICARBONATE						
BICARBONATE ALKALINITY	250	170	470	760	290	200
BROMIDE						
CARBONATE						
CARBONATE ALKALINITY	1 U	1 U	1 U	1 U	1 U	1 U
CHLORIDE	35	38	100	86	18	13
COD (TOTAL)						
CONDUCTANCE, UMHOS/CM						
DISSOLVED OXYGEN						
DISSOLVED SULFIDES						
FLUORIDE						
HARDNESS						
HYDROXIDE ALKALINITY	1 U	1 U	1 U	1 U	1 U	1 U
NITRATE	1.6	2.2	0.01 J	0.61	0.05 U	0.05 U
NITRATE/NITRITE (AS N)						
NITRITE	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
PH, UNITS						
PHOSPHATE						
SULFATE	30	32	61	66	11	11
SULFIDE	0.04	0.04 U	0.04	0.04 U	0.04 U	0.04 U
SURFACTANTS (MBAS)						
TDS						
TOTAL ALKALINITY	250	170	470	760	290	200
TOTAL ORGANIC CARBON						

Notes:

MG/L	Milligrams per liter
MG/L-CACO3	Milligrams per liter calcium carbonate
UMHOS	Micromhos
UMHOS/CM	Micromhos per centimeter

TABLE E-170: SITE 23 GENERAL CHEMISTRY IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	MW410-4	MW530-1	MW530-2	MW530-3	MWOR-5
Sample Code	MW410-4 [08/22/90]	MW530-1 [08/23/90]	MW530-2 [08/23/90]	MW530-3 [08/24/90]	MWOR-5 [08/28/90]
Sampling Date	8/22/1990	8/23/1990	8/23/1990	8/24/1990	8/28/1990
Sampling Depth (feet bgs)	-	-	-	-	-
Units	UMHOS	MG/L	MG/L	MG/L	UMHOS
Investigation	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991	PH 1&2A 1991
Analyte					
ACIDITY					
BICARBONATE					
BICARBONATE ALKALINITY		380	680		
BROMIDE					
CARBONATE					
CARBONATE ALKALINITY		30	5 U		
CHLORIDE		73	71	63	
COD (TOTAL)					
CONDUCTANCE, UMHOS/CM	380	1050	1880	900	540
DISSOLVED OXYGEN	4.4	1.2	2.8	3.4	4.6
DISSOLVED SULFIDES					
FLUORIDE					
HARDNESS	250			498	
HYDROXIDE ALKALINITY		5 U	5 U		
NITRATE					
NITRATE/NITRITE (AS N)					
NITRITE					
PH, UNITS	8.4	8.3	6.7	7.6	7.2
PHOSPHATE					
SULFATE		16	195	25	
SULFIDE					
SURFACTANTS (MBAS)		0.1 U	0.1 U	0.1 U	
TDS		970	1370	610	780
TOTAL ALKALINITY		410	680		
TOTAL ORGANIC CARBON	7.8	22.9		28.3	10

Notes:

MG/L	Milligrams per liter
MG/L-CACO3	Milligrams per liter calcium carbonate
UMHOS	Micromhos
UMHOS/CM	Micromhos per centimeter

TABLE E-171: SITE 23 LANDFILL GASES IN AIR

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California
(Page 1 of 1)

Location	S23-DGS-SG03	S23-DGS-SG03
Sample Code	385-S23-019	385-S23-955
Sampling Date	7/27/2001	7/27/2001
Sampling Depth (feet bgs)	1.5 -	4 -
Units*	PPMV	PPMV
Investigation	DGS	DGS
Analyte		
BUTANE, PPMV	1 U	1 U
CARBON DIOXIDE, %	0.312	0.475
CARBON MONOXIDE, %	0.002 U	0.001 U
ETHANE, PPMV	1 U	1 U
HYDROGEN, %	0.05 U	0.02 U
ISOBUTANE, PPMV	1 U	1 U
ISOPENTANE, PPMV	1 U	1 U
METHANE, %	0.002 U	0.001 U
NITROGEN, %	78.39	77.66
NON METHANE ORGANIC COMPOUNDS, PPMV	42	57.4
OXYGEN, %	21.3	21.87
PENTANE, PPMV	2.9	1.4
PROPANE, PPMV	1 U	1 U

Notes:

*	Unless otherwise specified
PPMV	Parts per million by volume

TABLE E-172: SITE 23 VOLATILE ORGANIC COMPOUNDS IN AIR

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	S23-DGS-SG03	S23-DGS-SG03
Sample Code	385-S23-019	385-S23-955
Sampling Date	7/27/2001	7/27/2001
Sampling Depth (feet bgs)	1.5 -	4 -
Units	UG/M3	UG/M3
Investigation	DGS	DGS
Analyte		
1,1,1-TRICHLOROETHANE	34.37 U	17.18 U
1,1,2,2-TETRACHLOROETHANE	43.24 U	21.62 U
1,1,2-TRICHLOROETHANE	34.37 U	17.18 U
1,1-DICHLOROETHANE	25.49 U	12.75 U
1,1-DICHLOROETHENE	24.97 U	12.49 U
1,2-DICHLOROBENZENE	37.87 U	18.93 U
1,2-DICHLOROETHANE	25.49 U	12.75 U
1,3-DICHLOROBENZENE	37.87 U	18.93 U
1,4-DICHLOROBENZENE	37.87 U	18.93 U
BENZENE	103.5	79.16
CHLOROETHANE	16.62 U	8.31 U
CHLOROMETHANE	13.01 U	6.5 U
CIS-1,2-DICHLOROETHENE	24.97 U	12.49 U
ETHYLBENZENE	359.51	540.14
M-XYLENE	1257.26	2045.88
NAPHTHALENE	330.17 UJ	165.08 UJ
O-XYLENE	270.99	513.29
TETRACHLOROETHENE	42.98 U	103.18
TOLUENE	715.48	833.2
TRANS-1,2-DICHLOROETHENE	24.97 UJ	12.49 UJ
TRICHLOROETHENE	33.85 U	16.92 U
VINYL CHLORIDE	16.1 U	8.05 U

Notes:

UG/M3 Micrograms per cubic meter

TABLE E-173: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SEDIMENT

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

(Page 1 of 2)

Location	NPS-S09-03	NPS-S10B-01	NPS-S10B-02
Sample Code	280-S09-025	280-S10B-094	280-S10B-096
Sampling Date	8/24/1994	7/20/1994	7/20/1994
Sampling Depth (feet bgs)	0 -	-	-
Units	UG/KG	UG/KG	UG/KG
Investigation	FO 1994	FO 1994	FO 1994
Analyte			
1,2,4-TRICHLOROBENZENE	400 U	430 U	2200 U
1,2-DICHLOROBENZENE	400 U	430 U	2200 U
1,3-DICHLOROBENZENE	400 U	430 U	2200 U
1,4-DICHLOROBENZENE	400 U	430 U	2200 U
2,2'-OXYBIS(1-CHLOROPROPANE)	400 U	430 U	2200 U
2,4,5-TRICHLOROPHENOL	960 U	1100 U	5300 U
2,4,6-TRICHLOROPHENOL	400 U	430 U	2200 U
2,4-DICHLOROPHENOL	400 U	430 U	2200 U
2,4-DIMETHYLPHENOL	20 J	430 U	2200 U
2,4-DINITROPHENOL	960 U	1100 U	5300 U
2,4-DINITROTOLUENE	400 U	430 U	2200 U
2,6-DINITROTOLUENE	400 U	430 U	2200 U
2-CHLORONAPHTHALENE	400 U	430 U	2200 U
2-CHLOROPHENOL	400 U	430 U	2200 U
2-METHYLNAPHTHALENE	400 U	430 U	2200 U
2-METHYLPHENOL	400 U	38 J	2200 U
2-NITROANILINE	960 U	1100 U	5300 U
2-NITROPHENOL	400 U	430 U	2200 U
3,3'-DICHLOROBENZIDINE	400 U	430 U	2200 U
3-NITROANILINE	960 U	1100 U	5300 U
4,6-DINITRO-2-METHYLPHENOL	960 U	1100 U	5300 U
4-BROMOPHENYL-PHENYLETHER	400 U	430 U	2200 U
4-CHLORO-3-METHYLPHENOL	400 U	430 U	2200 U
4-CHLOROANILINE	400 U	430 U	2200 U
4-CHLOROPHENYL-PHENYLETHER	400 U	430 U	2200 U
4-METHYLPHENOL	400 U	30 J	2200 U
4-NITROANILINE	960 U	1100 U	5300 U
4-NITROPHENOL	960 U	1100 U	5300 U
ACENAPHTHENE	400 U	25 J	2200 U
ACENAPHTHYLENE	400 U	430 U	290 J
ANTHRACENE	64 J	160 J	390 J
BENZO(A)ANTHRACENE	690	1300	2000 J
BENZO(A)PYRENE	450	1200	2500
BENZO(B)FLUORANTHENE	660	2100	4200
BENZO(G,H,I)PERYLENE	420	550	1400 J
BENZO(K)FLUORANTHENE	240 J	1000	2100 J
BIS(2-CHLOROETHOXY)METHANE	400 U	430 U	2200 U
BIS(2-CHLOROETHYL)ETHER	400 U	430 U	2200 U
BIS(2-ETHYLHEXYL)PHTHALATE	1300 UJ	790 UJ	2200 UJ
BUTYLBENZYLPHTHALATE	400 UJ	430 UJ	2200 UJ
CARBAZOLE	59 J	190 J	2200 U
CHRYSENE	660	1300	2400
DIBENZO(A,H)ANTHRACENE	110 J	30 J	2200 U
DIBENZOFURAN	400 U	430 U	2200 U
DIETHYLPHTHALATE	400 U	430 U	2200 U
DIMETHYLPHTHALATE	400 U	430 U	2200 U
DI-N-BUTYLPHTHALATE	400 UJ	430 UJ	2200 UJ
DI-N-OCTYLPHTHALATE	400 U	430 U	2200 U
FLUORANTHENE	1400	2800	2200
FLUORENE	400 U	63 J	130 J
HEXACHLOROBENZENE	400 U	430 U	2200 U
HEXACHLOROBUTADIENE	400 U	430 U	2200 U

TABLE E-173: SITE 23 SEMIVOLATILE ORGANIC COMPOUNDS IN SEDIMENT

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California
(Page 2 of 2)

Location	NPS-S09-03	NPS-S10B-01	NPS-S10B-02
Sample Code	280-S09-025	280-S10B-094	280-S10B-096
Sampling Date	8/24/1994	7/20/1994	7/20/1994
Sampling Depth (feet bgs)	0 -	-	-
Units	UG/KG	UG/KG	UG/KG
Investigation	FO 1994	FO 1994	FO 1994
Analyte			
HEXACHLOROCYCLOPENTADIENE	400 U	430 U	2200 U
HEXACHLOROETHANE	400 U	430 U	2200 U
INDENO(1,2,3-CD)PYRENE	420	720	1800 J
ISOPHORONE	400 U	430 U	2200 U
NAPHTHALENE	400 U	430 U	2200 U
NITROBENZENE	400 U	430 U	2200 U
N-NITROSO-DI-N-PROPYLAMINE	400 U	430 U	2200 U
N-NITROSODIPHENYLAMINE	400 U	430 U	2200 U
PENTACHLOROPHENOL	960 UJ	1100 UJ	5300 UJ
PHENANTHRENE	390 J	880	780 J
PHENOL	400 U	430 U	2200 U
PYRENE	1000	2200	2500

Notes:
UG/KG Micrograms per kilogram

TABLE E-174: SITE VOLATILE ORGANIC COMPOUNDS IN SEDIMENT

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	NPS-S09-03	NPS-S10B-01	NPS-S10B-02
Sample Code	280-S09-025	280-S10B-094	280-S10B-096
Sampling Date	8/24/1994	7/20/1994	7/20/1994
Sampling Depth (feet bgs)	0 -	-	-
Units	UG/KG	UG/KG	UG/KG
Investigation	FO 1994	FO 1994	FO 1994
Analyte			
1,1,1-TRICHLOROETHANE	12 U	13 U	13 U
1,1,2,2-TETRACHLOROETHANE	12 U	1 J	13 U
1,1,2-TRICHLOROETHANE	12 U	13 U	13 U
1,1-DICHLOROETHANE	12 U	13 U	13 U
1,1-DICHLOROETHENE	12 U	13 U	13 U
1,2-DICHLOROETHANE	12 U	13 U	13 U
1,2-DICHLOROETHENE (TOTAL)	12 U	13 U	13 U
1,2-DICHLOROPROPANE	12 U	13 U	13 U
2-BUTANONE	12 UJ	13 UJ	13 UJ
2-HEXANONE	12 U	14 J	13 U
4-METHYL-2-PENTANONE	12 U	58 J	13 U
ACETONE	31 UJ	13 UJ	34 UJ
BENZENE	12 U	13 U	13 U
BROMODICHLOROMETHANE	12 U	13 U	13 U
BROMOFORM	12 U	13 U	13 U
BROMOMETHANE	12 U	13 U	13 U
CARBON DISULFIDE	12 U	13 UJ	13 UJ
CARBON TETRACHLORIDE	12 U	13 U	13 U
CHLOROBENZENE	12 U	13 U	13 U
CHLOROETHANE	12 UJ	13 U	13 U
CHLOROFORM	12 U	13 U	13 U
CHLOROMETHANE	12 U	13 UJ	13 UJ
CIS-1,3-DICHLOROPROPENE	12 U	13 U	13 U
DIBROMOCHLOROMETHANE	12 U	13 U	13 U
ETHYLBENZENE	12 U	13 U	2 J
METHYLENE CHLORIDE	12 U	13 U	13 U
STYRENE	12 U	13 U	13 U
TETRACHLOROETHENE	12 U	13 U	13 U
TOLUENE	12 U	13 U	43
TRANS-1,3-DICHLOROPROPENE	12 U	13 U	13 U
TRICHLOROETHENE	12 U	13 U	13 U
VINYL CHLORIDE	12 U	13 U	13 U
XYLENE (TOTAL)	12 U	13 U	13 U

Notes:

UG/KG Micrograms per kilogram

TABLE E-175: SITE TOTAL METALS IN SEDIMENT

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California
(Page 1 of 1)

Location	NPS-S09-03	NPS-S10B-01	NPS-S10B-02
Sample Code	280-S09-025	280-S10B-094	280-S10B-096
Sampling Date	8/24/1994	7/20/1994	7/20/1994
Sampling Depth (feet bgs)	0 -	-	-
Units	MG/KG	MG/KG	MG/KG
Investigation	FO 1994	FO 1994	FO 1994
Analyte			
ALUMINUM	3200 J	4170	5180
ANTIMONY	1.1 UJ	0.59 UJ	0.94 J
ARSENIC	3.1	3.6	3.7
BARIUM	23 J	35 J	80.5
BERYLLIUM	0.39 UJ	0.28 U	0.36 J
CADMIUM	1.6	2.6 J	6.4 J
CALCIUM	1880	3180	5050
CHROMIUM	84.9 J	95.1 J	45.1 J
COBALT	3.1 UJ	6.4 UJ	6.6 UJ
COPPER	11.5 UJ	14.3 J	44.3 J
IRON	7650 J	10300	12600
LEAD	22.2 J	39.5 J	70.6 J
MAGNESIUM	2080	3250	4040
MANGANESE	104 J	257	242
MERCURY	0.18 U	0.2 U	0.2 U
MOLYBDENUM	3.3 U	3.6 U	7.4 J
NICKEL	31.7	55.2	53.1
POTASSIUM	597 UJ	594 J	547 J
SELENIUM	0.64 U	0.69 U	0.69 U
SILVER	0.21 U	0.52 UJ	0.23 U
SODIUM	1610	2270	275 J
THALLIUM	0.48 U	0.51 U	0.59 UJ
VANADIUM	16.5	18.1	20
ZINC	138 J	212	575

Notes:

MG/KG Milligrams per kilogram

TABLE E-176: SITE TOTAL PETROLEUM HYDROCARBONS IN SEDIMENT

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	NPS-S09-03	NPS-S10B-01	NPS-S10B-02
Sample Code	280-S09-025	280-S10B-094	280-S10B-096
Sampling Date	8/24/1994	7/20/1994	7/20/1994
Sampling Depth (feet bgs)	0 -	-	-
Units	MG/KG	MG/KG	MG/KG
Investigation	FO 1994	FO 1994	FO 1994
Analyte			
DIESEL RANGE ORGANICS	12 U	130 U	130 U
GASOLINE RANGE ORGANICS	0.82 J	3.8 J	0.66 UJ
JP5 RANGE ORGANICS	12 U	130 U	130 U
MOTOR OIL RANGE ORGANICS	160 J	770 J	5850 J

Notes:

MG/KG Milligrams per kilogram

TABLE E-177: SITE GENERAL CHEMISTRY IN SEDIMENT

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	NPS-S09-03	NPS-S10B-01	NPS-S10B-02
Sample Code	280-S09-025	280-S10B-094	280-S10B-096
Sampling Date	8/24/1994	7/20/1994	7/20/1994
Sampling Depth (feet bgs)	0 -	-	-
Units	UNITS	UNITS	UNITS
Investigation	FO 1994	FO 1994	FO 1994
Analyte			
PH	7.8	7.9	7

SITE 23
TOTAL PETROLEUM HYDROCARBON INVESTIGATIONS

TABLE E-178: SITE 23 VOLATILE ORGANIC COMPOUNDS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

(Page 1 of 1)

Location	CA13-10	CA13-10
Sample Code	030-CAP-202	030-CAP-203
Sampling Date	6/15/2000	6/15/2000
Sampling Depth (feet bgs)	4 - 4.5	6.5 - 7
Units	UG/KG	UG/KG
Investigation	TPH	TPH
Analyte		
1,1,1-TRICHLOROETHANE	11 U	12 U
1,1,2,2-TETRACHLOROETHANE	11 U	12 U
1,1,2-TRICHLOROETHANE	11 U	12 U
1,1-DICHLOROETHANE	11 U	12 U
1,1-DICHLOROETHENE	11 U	12 U
1,2,4-TRIMETHYLBENZENE	11 U	12 U
1,2-DICHLOROBENZENE		
1,2-DICHLOROETHANE	11 U	12 U
1,2-DICHLOROETHENE (TOTAL)		
1,2-DICHLOROPROPANE	11 U	12 U
1,3,5-TRIMETHYLBENZENE	11 U	12 U
1,3-DICHLOROBENZENE		
1,4-DICHLOROBENZENE		
2-BUTANONE		
2-CHLOROETHYLVINYLETHER		
2-HEXANONE		
4-METHYL-2-PENTANONE		
ACETONE		
BENZENE	11 U	12 U
BROMODICHLOROMETHANE	11 U	12 U
BROMOFORM	11 U	12 U
BROMOMETHANE	11 U	12 U
CARBON DISULFIDE		
CARBON TETRACHLORIDE	11 U	12 U
CHLOROBENZENE	11 U	12 U
CHLOROETHANE	11 U	12 U
CHLOROFORM	11 U	12 U
CHLOROMETHANE	11 U	12 U
CIS-1,2-DICHLOROETHENE	11 U	12 U
CIS-1,3-DICHLOROPROPENE	11 U	12 U
DIBROMOCHLOROMETHANE	11 U	12 U
ETHYLBENZENE	11 U	12 U
HEXANE		
M,P-XYLENE	11 U	12 U
METHYLENE CHLORIDE	11 U	12 U
METHYL-T-BUTYL ETHER	11 U	12 U
O-XYLENE	11 U	12 U
STYRENE	11 U	12 U
TETRACHLOROETHENE	11 U	12 U
TOLUENE	11 U	12 U
TRANS-1,2-DICHLOROETHENE	11 U	12 U
TRANS-1,3-DICHLOROPROPENE	11 U	12 U
TRICHLOROETHENE	11 UJ	12 U
TRICHLOROFLUOROMETHANE		
VINYL ACETATE		
VINYL CHLORIDE	11 U	12 U
XYLENE (TOTAL)		

Notes:

UG/KG Micrograms per kilogram

TABLE E-179: SITE 23 TOTAL METALS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California
(Page 1 of 1)

Location	CA13-10	CA13-10
Sample Code	030-CAP-202	030-CAP-203
Sampling Date	6/15/2000	6/15/2000
Sampling Depth (feet bgs)	4 - 4.5	6.5 - 7
Units	MG/KG	MG/KG
Investigation	TPH	TPH
Analyte		
ALUMINUM		
ANTIMONY		
ARSENIC		
BARIUM		
BERYLLIUM		
CADMIUM		
CALCIUM		
CHROMIUM		
COBALT		
COPPER		
IRON		
LEAD	11 U	12 U
MAGNESIUM		
MANGANESE		
MERCURY		
MOLYBDENUM		
NICKEL		
POTASSIUM		
SELENIUM		
SILVER		
SODIUM		
THALLIUM		
TITANIUM		
VANADIUM		
ZINC		

Notes:
MG/KG Milligrams per kilogram

TABLE E-180: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

(Page 1 of 2)

Location	CA13-10	CA13-10	530-MJ-MW-1	530-MJ-MW-2	530-MJ-MW-3	530-10-MOJ	530-11-MOJ	530-12-MOJ	530-13-MOJ	530-14-MOJ
Sample Code	030-CAP-202	030-CAP-203	530MW1-3.5	530MW2-3.5	530MW3-4.5	530-P10-6.0	530-P11-4.5	530-P12-4.5	530-P13-4.5	530-P14-4.5
Sampling Date	6/15/2000	6/15/2000	11/4/1997	11/4/1997	12/4/1997	8/21/1997	9/17/1997	9/17/1997	9/17/1997	9/17/1997
Sampling Depth (feet bgs)	4 - 4.5	6.5 - 7	3.5 -	3.5 -	4.5 -	6 -	4.5 -	4.5 -	4.5 -	4.5 -
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte										
BENZENE			0.12 U	0.001 U	0.001 U	0.001 U	0.125 U	1 U	0.005 U	0.005 U
DIESEL RANGE ORGANICS	7.7 J	1.2 U	4100	5 U	5 U	5 U	50 U	100 U	1 U	1 U
ETHYLBENZENE			0.12 U	0.001 U	0.001 U	0.001 U	0.125 U	1 U	0.005 U	0.005 U
GASOLINE RANGE ORGANICS	0.58 U	0.61 U	410	2462	0.2 U	0.2 U	800	1200	1 U	1 U
JP5 RANGE ORGANICS			2800	8600	10 U	10 U	5000	10000	1 U	1 U
METHYL-T-BUTYL ETHER			0.62 U	0.005 U	0.005 U	0.05 U	0.2 U	5 U	0.05 U	0.05 U
MOTOR OIL RANGE ORGANICS	54	12 U			32	10 U	500 U	1000 U	10 U	10 U
TOLUENE			0.12 U	0.001 U	0.001 U	0.001 U	0.125 U	1 U	0.005 U	0.005 U
XYLENE (TOTAL)			0.25 U	0.002 U	0.002 U	0.002 U	1.7	1.8	0.005 U	0.005 U

Location	530-1-MOJ	530-15-MOJ	530-16-MOJ	530-17-MOJ	530-22-MOJ	530-2-MOJ	530-25-MOJ	530-3-MOJ	530-4-MOJ	530-5-MOJ
Sample Code	530-P1-5.5	530-P15-4.5	530-P16-4.5	530-P17	530-P22-5.0	530-P2-5.5	530-P25-5.0	530-P3-5.5	530-P4-5.5	530-P5-5.5
Sampling Date	8/20/1997	9/17/1997	9/17/1997	9/17/1997	10/6/1997	8/20/1997	11/11/1997	8/20/1997	8/20/1997	8/20/1997
Sampling Depth (feet bgs)	5.5 -	4.5 -	4.5 -	-	5 -	5.5 -	5 -	5.5 -	5.5 -	5.5 -
Units	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte										
BENZENE	1.2 U	2.5 U	1.25 U	1.25 U	0.12 U	0.01 U	0.25 U	0.5 U	0.25 U	0.25 U
DIESEL RANGE ORGANICS	1200 U	100 U	100 U	100 U	11000	50 U	17000	100 U	5 U	30 U
ETHYLBENZENE	1.2 U	2.5 U	1.25 U	1.25 U	0.12 U	0.01 U	0.25 U	0.5 U	0.25 U	0.25 U
GASOLINE RANGE ORGANICS	4300	2000	1200	2000	1100	40	1300	1700	1300	900
JP5 RANGE ORGANICS	19000	13000	12000	6600	9000	1300	13000	16000	13	6500
METHYL-T-BUTYL ETHER	6.2 U	25 U	12.5 U	12.5 U	0.62 U	0.1 U	1.2 U	5 U	1.2 U	2.5 U
MOTOR OIL RANGE ORGANICS		1000 U	1000 U	1000 U	1000 U	500 U	750	1000 U		300 U
TOLUENE	1.2 U	2.5 U	1.25 U	1.25 U	0.12 U	16	0.25 U	0.5 U	0.25 U	0.25 U
XYLENE (TOTAL)	2.5 U	2.5 U	1.25 U	0.94	0.25 U	0.01 U	0.5 U	0.75	0.5 U	0.7

Notes:

MG/KG Miligrams per kilogram

TABLE E-180: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California
(Page 2 of 2)

Location	530-6-MOJ	530-7-MOJ
Sample Code	530-P6-6.0	530-P7-6.0
Sampling Date	8/21/1997	8/21/1997
Sampling Depth (feet bgs)	6 -	6 -
Units	MG/KG	MG/KG
Investigation	TPH	TPH
Analyte		
BENZENE	0.001 U	0.001 U
DIESEL RANGE ORGANICS	5 U	5 U
ETHYLBENZENE	0.001 U	0.001 U
GASOLINE RANGE ORGANICS	0.2 U	0.44
JP5 RANGE ORGANICS	10 U	10 U
METHYL-T-BUTYL ETHER	0.05 U	0.05 U
MOTOR OIL RANGE ORGANICS		
TOLUENE	0.001 U	0.001 U
XYLENE (TOTAL)	0.002 U	0.002 U

Location	530-8-MOJ	530-9-MOJ
Sample Code	530-P8-5.5	530-P9-6.0
Sampling Date	8/21/1997	8/21/1997
Sampling Depth (feet bgs)	5.5 -	6 -
Units	MG/KG	MG/KG
Investigation	TPH	TPH
Analyte		
BENZENE	0.005 U	0.005 U
DIESEL RANGE ORGANICS	1 U	1 U
ETHYLBENZENE	0.005 U	0.005 U
GASOLINE RANGE ORGANICS	1 U	1 U
JP5 RANGE ORGANICS	1 U	1 U
METHYL-T-BUTYL ETHER	0.05 U	0.05 U
MOTOR OIL RANGE ORGANICS		10 U
TOLUENE	0.005 U	0.005 U
XYLENE (TOTAL)	0.005 U	0.005 U

Notes:
MG/KG Miligrams per kilogram

TABLE E-181: SITE 23 GENERAL CHEMISTRY IN SOIL

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California
(Page 1 of 1)

Location	CA13-10
Sample Code	030-CAP-202
Sampling Date	6/15/2000
Sampling Depth (feet bgs)	4 - 4.5
Units	%MST
Investigation	TPH
Analyte	
CHLORIDE	
CYANIDE	
IGNITABILITY	
NITRATE	
PERCENT MOISTURE	10
PH	
PHOSPHORUS	
SULFATE	
SULFIDE	
TOTAL KJELDAHL NITROGEN	
TOTAL ORGANIC CARBON	

Notes:
%MST Percent moisture

TABLE E-182: SITE 23 METALS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	5-JF	CA13-07	CA13-08	CA13-09	CA13-10	M10B-01	MW530-1
Sample Code	030-CAP-191	030-CAP-200	030-CAP-200A	030-CAP-201	030-CAP-204	030-CAP-198	030-CAP-197
Sampling Date	5/3/2000	4/26/2000	5/2/2000	4/26/2000	6/15/2000	4/25/2000	4/26/2000
Sampling Depth (feet bgs)	-	3 - 8	3 - 8	3 - 8	3 - 8	-	-
Units	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte							
ALUMINUM							
ANTIMONY							
ARSENIC							
BARIUM							
BERYLLIUM							
CADMIUM							
CALCIUM							
CHROMIUM							
COBALT							
COPPER							
IRON							
LEAD	3 UJ	3 U	3 U	3 U	3 U	3 U	3.5
MAGNESIUM							
MANGANESE							
MERCURY							
MOLYBDENUM							
NICKEL							
POTASSIUM							
SELENIUM							
SILVER							
SODIUM							
THALLIUM							
TITANIUM							
VANADIUM							
ZINC							

Notes:

UG/L Micrograms per liter

TABLE E-183: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	530-10-MOJ	530-11-MOJ	530-12-MOJ	530-13-MOJ	530-14-MOJ	530-15-MOJ	530-16-MOJ	530-17-MOJ	530-18-MOJ	530-1-MOJ
Sample Code	530-P10W	530-P11W	530-P12W	530-P13W	530-P14W	530-P15W	530-P16W	530-P17W	530-P18W	530-P1W
Sampling Date	8/21/1997	9/17/1997	9/17/1997	9/17/1997	9/17/1997	9/17/1997	9/17/1997	9/17/1997	9/18/1997	8/20/1997
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte										
BENZENE	0.0005 U	10 U	12.5 U	0.005 U	0.005 U	0.02 U	0.005 U	0.005 U	0.005 U	0.011
DIESEL RANGE ORGANICS	3.8	4.4	71	0.05 U	0.05 U	1.25 U	0.05 U	0.05 U	0.05 U	0.5 U
ETHYLBENZENE	0.0005 U	0.01 U	0.0125 U	0.0005 U	0.0005 U	0.02 U	0.0005 U	0.0005 U	0.0005 U	0.0095
GASOLINE RANGE ORGANICS	0.05 U	3.2	80	0.05 U	0.05 U	230	0.33	0.05 U	0.05 U	4.8
JP5 RANGE ORGANICS	0.5 U	0.5 U	2 U	0.05 U	0.05 U	59	0.43	0.05 U	0.05 U	5.2
METHYL-T-BUTYL ETHER	0.005 U	0.1 U	0.125 U	0.005 U	0.005 U	0.2 U	0.005 U	0.005 U	0.005 U	0.025 U
MOTOR OIL RANGE ORGANICS		2.5 U	10 U	2.5	1	12.5 U	0.25 U	1.5	0.25 U	
TOLUENE	0.0005 U	0.01 U	0.0125 U	0.0005 U	0.0005 U	0.02 U	0.0005 U	0.0005 U	0.0005 U	0.0025 U
XYLENE (TOTAL)	0.001 U	0.01 U	0.02	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.005 U

Location	530-20-MOJ	530-22-MOJ	530-25-MOJ	530-2-MOJ	530-3-MOJ	530-4-MOJ	530-5-MOJ	530-6-MOJ	530-7-MOJ	530-8-MOJ
Sample Code	530-P20W	530-P22W	530-P25W	530-P2W	530-P3W	530-P4W	530-P5W	530-P6W	530-P7W	530-P8W
Sampling Date	9/18/1997	10/6/1997	11/11/1997	8/20/1997	8/20/1997	8/20/1997	8/20/1997	8/21/1997	8/21/1997	8/21/1997
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte										
BENZENE	0.005 U	0.005 U	0.01 U	0.005 U	0.18	0.005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
DIESEL RANGE ORGANICS	0.05 U	1.2	23	0.25 U	2.5 U	0.5 U	0.5 U	0.68	2.6	0.05 U
ETHYLBENZENE	0.0005 U	0.0005 U	0.01 U	0.005 U	0.1 U	0.005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
GASOLINE RANGE ORGANICS	0.05 U	0.05 U	12	3.1	28	8.7	3.8	0.05 U	1.1	0.14
JP5 RANGE ORGANICS	0.05 U	0.5 U	15	6.6	130	52	20	0.5 U	2.3	0.15
METHYL-T-BUTYL ETHER	0.005 U	0.005 U	0.1 U	0.05 U	1 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U
MOTOR OIL RANGE ORGANICS	0.25 U	1.2	1.2 U	1.25 U	12.5 U					0.25 U
TOLUENE	0.0005 U	0.0005 U	0.01 U	0.005 U	0.1 U	0.005 U	0.005 U	0.005 U	0.0005	0.0009
XYLENE (TOTAL)	0.0008	0.001 U	0.02 U	0.005 U	0.1 U	0.01 U	0.001 U	0.001 U	0.0026	0.0005 U

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-183: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	530-9-MOJ	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1
Sample Code	530-P9W	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1
Sampling Date	8/21/1997	12/15/1997	12/15/1997	12/15/1997	12/15/1997	12/15/1997	12/15/1997	12/15/1997	12/15/1997
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte									
BENZENE	0.0005 U	0.0081							
DIESEL RANGE ORGANICS	0.05 U		6						
ETHYLBENZENE	0.0005 U			0.0005 U					
GASOLINE RANGE ORGANICS	0.05 U				0.9				
JP5 RANGE ORGANICS	0.05 U					4.1			
METHYL-T-BUTYL ETHER	0.005 U						0.0025 U		
MOTOR OIL RANGE ORGANICS	0.25 U						0.25 U		
TOLUENE	0.0022							0.0005 U	
XYLENE (TOTAL)	0.0008								0.0005 U

Location	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1
Sample Code	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1
Sampling Date	3/16/1998	3/16/1998	3/16/1998	3/16/1998	3/16/1998	3/16/1998	3/16/1998	3/16/1998	4/7/1999
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte									
BENZENE	0.026								0.0151
DIESEL RANGE ORGANICS		18							
ETHYLBENZENE			0.0005 U						
GASOLINE RANGE ORGANICS				1.6					
JP5 RANGE ORGANICS					13				
METHYL-T-BUTYL ETHER						0.0025 U			
MOTOR OIL RANGE ORGANICS							0.25 U		
TOLUENE								0.0005 U	
XYLENE (TOTAL)								0.0005 U	

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-183: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1
Sample Code	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1
Sampling Date	4/7/1999	4/7/1999	4/7/1999	4/7/1999	4/7/1999	9/29/1998	9/29/1998	9/29/1998	9/29/1998
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte									
BENZENE						0.0073			
DIESEL RANGE ORGANICS							21		
ETHYLBENZENE	0.0005 U							0.0005 U	
GASOLINE RANGE ORGANICS		0.489							1.9
JP5 RANGE ORGANICS									
METHYL-T-BUTYL ETHER			0.0025 U						
MOTOR OIL RANGE ORGANICS									
TOLUENE				0.0005 U					
XYLENE (TOTAL)					0.0005 U				

Location	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2
Sample Code	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-1	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2
Sampling Date	9/29/1998	9/29/1998	9/29/1998	9/29/1998	12/15/1997	12/15/1997	12/15/1997	12/15/1997	12/15/1997
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte									
BENZENE					0.0005 U				
DIESEL RANGE ORGANICS						12			
ETHYLBENZENE							0.0005 U		
GASOLINE RANGE ORGANICS								3.2	
JP5 RANGE ORGANICS	17								11
METHYL-T-BUTYL ETHER		0.0025 U							
MOTOR OIL RANGE ORGANICS			9.7						
TOLUENE			0.0031						
XYLENE (TOTAL)				0.0005 U					

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-183: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2
Sample Code	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2
Sampling Date	12/15/1997	12/15/1997	12/15/1997	12/15/1997	3/16/1998	3/16/1998	3/16/1998	3/16/1998	3/16/1998
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte									
BENZENE					0.0005 U				
DIESEL RANGE ORGANICS						26			
ETHYLBENZENE							0.0005 U		
GASOLINE RANGE ORGANICS								1	
JP5 RANGE ORGANICS									28
METHYL-T-BUTYL ETHER	0.0025 U								
MOTOR OIL RANGE ORGANICS		0.25 U							
TOLUENE			0.0005 U						
XYLENE (TOTAL)				0.0005 U					

Location	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2
Sample Code	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2
Sampling Date	3/16/1998	3/16/1998	3/16/1998	3/16/1998	4/7/1999	4/7/1999	4/7/1999	4/7/1999	4/7/1999
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte									
BENZENE					0.0005 U				
DIESEL RANGE ORGANICS									
ETHYLBENZENE						0.0005 U			
GASOLINE RANGE ORGANICS							1.04		
JP5 RANGE ORGANICS									
METHYL-T-BUTYL ETHER	0.0025 U							0.0025 U	
MOTOR OIL RANGE ORGANICS		0.25 U							
TOLUENE			0.0005 U						0.0005 U
XYLENE (TOTAL)				11					0.0005 U

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-183: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-3
Sample Code	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-2	530-MJ-MW-3
Sampling Date	9/29/1998	9/29/1998	9/29/1998	9/29/1998	9/29/1998	9/29/1998	9/29/1998	9/29/1998	12/15/1997
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte									
BENZENE	0.0005 U								0.0005 U
DIESEL RANGE ORGANICS		11							
ETHYLBENZENE			0.0005 U						
GASOLINE RANGE ORGANICS				2.4					
JP5 RANGE ORGANICS					11				
METHYL-T-BUTYL ETHER					0.0025 U				
MOTOR OIL RANGE ORGANICS						0.25 U			
TOLUENE							0.0005 U		
XYLENE (TOTAL)								0.0005 U	

Location	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3
Sample Code	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3
Sampling Date	12/15/1997	12/15/1997	12/15/1997	12/15/1997	12/15/1997	12/15/1997	12/15/1997	12/15/1997	3/16/1998
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte									
BENZENE									0.0005 U
DIESEL RANGE ORGANICS	0.17								
ETHYLBENZENE		0.0005 U							
GASOLINE RANGE ORGANICS			0.05 U						
JP5 RANGE ORGANICS				0.05 U					
METHYL-T-BUTYL ETHER					0.0025 U				
MOTOR OIL RANGE ORGANICS						0.25 U			
TOLUENE							0.0005 U		
XYLENE (TOTAL)								0.0005 U	

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-183: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3
Sample Code	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3
Sampling Date	3/16/1998	3/16/1998	3/16/1998	3/16/1998	3/16/1998	3/16/1998	3/16/1998	4/7/1999	4/7/1999
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte									
BENZENE								0.0005 U	
DIESEL RANGE ORGANICS	0.068								
ETHYLBENZENE		0.0005 U							0.0005 U
GASOLINE RANGE ORGANICS			0.05 U						
JP5 RANGE ORGANICS				0.05 U					
METHYL-T-BUTYL ETHER									
MOTOR OIL RANGE ORGANICS					0.25 U				
TOLUENE						0.0005 U			
XYLENE (TOTAL)							0.0005 U		

Location	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3
Sample Code	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3
Sampling Date	4/7/1999	4/7/1999	4/7/1999	4/7/1999	9/29/1998	9/29/1998	9/29/1998	9/29/1998	9/29/1998
Sampling Depth (feet bgs)	-	-	-	-	-	-	-	-	-
Units	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L	MG/L
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte									
BENZENE					0.0005 U				
DIESEL RANGE ORGANICS						0.076			
ETHYLBENZENE							0.0005 U		
GASOLINE RANGE ORGANICS	0.05 U						0.05 U		
JP5 RANGE ORGANICS								0.05 U	
METHYL-T-BUTYL ETHER		0.0025 U							0.0025 U
MOTOR OIL RANGE ORGANICS									
TOLUENE			0.0005 U						
XYLENE (TOTAL)				0.0005 U					

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

TABLE E-183: SITE 23 TOTAL PETROLEUM HYDROCARBONS IN GROUNDWATER

Remedial Investigation Report for OU-2A, Alameda Point, Alameda, California

Location	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	5-JF	CA13-07	CA13-08	CA13-09	CA13-10	M10B-01
Sample Code	530-MJ-MW-3	530-MJ-MW-3	530-MJ-MW-3	030-CAP-191	030-CAP-200	030-CAP-200A	030-CAP-201	030-CAP-204	030-CAP-198
Sampling Date	9/29/1998	9/29/1998	9/29/1998	5/3/2000	4/26/2000	5/2/2000	4/26/2000	6/15/2000	4/25/2000
Sampling Depth (feet bgs)	-	-	-	-	3 - 8	3 - 8	3 - 8	3 - 8	-
Units	MG/L	MG/L	MG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Investigation	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH	TPH
Analyte									
BENZENE									
DIESEL RANGE ORGANICS				100 U	100 U	22000 J	100 U	100 U	100 UJ
ETHYLBENZENE									
GASOLINE RANGE ORGANICS				57 UJ	910	800	50 U	56 UJ	50 U
JP5 RANGE ORGANICS					1200	87000 J	100 U		100 UJ
METHYL-T-BUTYL ETHER									
MOTOR OIL RANGE ORGANICS	0.25 U			500 U	500 U	130000 J	500 U	500 U	500 UJ
TOLUENE		0.0005 U							
XYLENE (TOTAL)			0.0005 U						

Location	MW530-1
Sample Code	030-CAP-197
Sampling Date	4/26/2000
Sampling Depth (feet bgs)	-
Units	UG/L
Investigation	TPH
Analyte	
BENZENE	
DIESEL RANGE ORGANICS	160
ETHYLBENZENE	
GASOLINE RANGE ORGANICS	100
JP5 RANGE ORGANICS	120
METHYL-T-BUTYL ETHER	
MOTOR OIL RANGE ORGANICS	1200
TOLUENE	
XYLENE (TOTAL)	

Notes:

UG/L Micrograms per liter

MG/L Milligrams per liter

A-E CERCLA/RCRA/UST STUDIES [illegible]IAL

N00236.002017
ALAMEDA POINT
SSIC NO. 5090.3

Contract Number N68711-03-D-5104

Remedial Investigation Report Sites 9, 13, 19, 22, and 23 Operable Unit 2A (OU-2A)

Alameda Point
Alameda, California

DS.B010.20039

FINAL

Volume III of III
Appendices F through K

April 1, 2005

NAVFAC
Naval Facilities Engineering Command

Department of the Navy
Base Realignment and Closure
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APPENDIX F

TOTAL PETROLEUM HYDROCARBON RISK EVALUATION FOR COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT SITES 9, 13, 19, AND 23

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ACRONYMS AND ABBREVIATIONS

bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and xylenes
Cal/EPA	California Environmental Protection Agency
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CLEAN II	Comprehensive Long-term Environmental Action Navy
cm/sec	Centimeters per second
DTSC	California Environmental Protection Agency Department of Toxic Substances Control
EBS	Environmental baseline survey
EPA	U.S. Environmental Protection Agency Region 9
FWBZ	First water-bearing zone
FS	Feasibility study
IT	International Technology Corporation
LUST	Leaking underground storage tank
LLNL	Lawrence Livermore National Laboratory
MCL	Maximum contaminant level
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
MTBE	Methyl tertiary butyl ether
NA	Not analyzed
NAS	Naval Air Station
Navy	U. S. Department of the Navy
NFA	No further action
OU	Operable Unit
PAH	Polynuclear aromatic hydrocarbons
Parsons	Parsons Engineering Science Inc.
PCE	Tetrachloroethene
PRC	Preliminary remediation criteria
PRG	Preliminary remediation goal
RI	Remedial investigation

RWQCB	San Francisco Bay Regional Water Quality Control Board
SWDIV	Naval Facilities Engineering Command, Southwest Division
SWRCB	State Water Resources Control Board
TCE	Trichlorethene
TPH	Total petroleum hydrocarbons
TPH-associated compounds	BTEX, MTBE, and lead
TPH fractions	TPH-diesel range, -gasoline range, -jet fuel range, and -motor oil range
TTPH	Total total petroleum hydrocarbons
Tetra Tech	Tetra Tech EM Inc.
UST	Underground storage tank

1.0 INTRODUCTION

This total petroleum hydrocarbon (TPH) risk evaluation was conducted in accordance with the preliminary remediation criteria (PRC) and closure strategy for petroleum-contaminated sites, referred to as the TPH strategy (U.S. Department of the Navy [Navy] 2001) at Alameda Point. The TPH strategy was developed using guidance prepared by the San Francisco Bay Regional Water Quality Control Board (RWQCB) for low-risk fuel site closure (RWQCB 1996). The TPH strategy addresses both soil and groundwater and was developed in agreement with the RWQCB, the U.S. Environmental Protection Agency Region 9 (EPA), and the California Environmental Protection Agency Department of Toxic Substance Control (DTSC). RWQCB issued a letter in June 2001 that stated their concurrence with the PRC and TPH strategy presented in the Navy's memorandum (RWQCB 2001).

This TPH risk evaluation was conducted on soil and groundwater conditions at Sites 9, 13, 19, and 23. Site 22 was evaluated in a Corrective Action Plan (CAP) for Corrective Action Area 4C dated January 7, 2004, and will not be discussed further in this Appendix. Soil and groundwater data from Sites 9, 13, 19, and 23 were screened using the steps defined in the TPH strategy to determine whether corrective action is warranted. After the site was evaluated based on the TPH strategy, the results were assessed to determine whether all the RWQCB's criteria for a low-risk fuel site closure were met. If corrective action is recommended for TPH concentrations present in soil and groundwater at Sites 9, 13, 19, and 23, remedial alternatives will be later evaluated in a corrective action plan.

Section 2 of this appendix summarizes the RWQCB's low-risk fuel site closure guidance, development of PRC, and the TPH strategy screening steps. Sections 3 through 6 present the TPH risk evaluation for each site, recommendations for corrective action where applicable, and the low-risk fuel site closure assessment. Section 7 provides a summary of the risk evaluation for these sites. Documents and papers cited in this report are listed in the reference section at the end of this report.

2.0 LOW-RISK FUEL SITE CLOSURE

The corrective action program for petroleum-impacted areas at Alameda Point is overseen by RWQCB in cooperation with EPA and DTSC. The Navy developed a plan for closing fuel sites at Alameda Point that complies with applicable laws and regulations and considers policies and guidelines established by RWQCB and EPA. Because of the nature and source(s) of contamination at Alameda Point, the Navy determined that the most appropriate approach to site closure is to follow guidance issued by RWQCB on the closure of low-risk fuel sites in the San Francisco Bay region (RWQCB 1996).

The RWQCB's guidance on low-risk fuel site closure was issued to address leaking underground storage tank (LUST) cleanups. While the majority of petroleum-impacted sites at Alameda Point were the result of fuel tank leaks, a few sites were identified based on petroleum contamination from former fuel lines, aircraft maintenance and operation activities, road maintenance, and an oil refinery that preceded the Navy's operations. In these instances, the RWQCB's low-risk fuel site closure guidelines also are applied to evaluate the site for closure. The low-risk guidelines ensure that any petroleum contamination that remains falls within the "low-risk" category and can therefore be passively biodegraded. Otherwise, corrective action will be implemented to ensure any remaining petroleum contamination will be passively biodegraded.

The RWQCB low-risk fuel site closure includes seven criteria that must be met to determine whether the site is a candidate for closure. These criteria include the following:

- The leak and source(s) have been removed.
- The site has been adequately characterized.
- Little or no groundwater impact currently exists, and no contaminants are found at concentrations above applicable water quality objectives.
- No water wells, deeper drinking water aquifers, surface water, or other sensitive receptors are likely to be impacted.
- The site presents no significant risk to human health.
- The site presents no significant risk to the environment.
- The dissolved groundwater plume is not migrating.

To meet RWQCB criteria for low-risk fuel site closure, the soil and groundwater data at each site are evaluated based on the PRC and TPH strategy and then assessed for low-risk closure.

2.1 PRELIMINARY REMEDIATION CRITERIA

Soil and groundwater PRC are screening concentrations that have been determined to be protective of human health or of marine ecological receptors. PRC are selected for each site based on proposed land reuse, groundwater designation, and potentially completed exposure pathways. The PRC are shown on Table F-2-1.

Derivation of the PRC for soil and groundwater, which also includes floating product screening criteria, is presented in the Navy memorandum (Navy 2001). The floating product screening criteria are used to determine whether further investigation is needed to assess possible floating

product at a site. All sites are assessed for floating product regardless of the proposed land reuse and groundwater designation.

For soil, 14,000 milligrams per kilogram (mg/kg) was selected as the total total petroleum hydrocarbon (TTPH) screening level for floating product. The selection of 14,000 mg/kg of TTPH in soil to indicate floating product is considered to be conservative, based on industry-accepted saturation limits (Cohen and Mercer 1993). For groundwater, the water solubility limit (20 milligrams per liter [mg/L]) was chosen as the TTPH screening level for floating product. The selection of 20 mg/L as the groundwater solubility limit for TTPH was based on chemical data used in the San Francisco Airport study (RWQCB 1999b), as presented in the fuel hydrocarbon transport modeling report (Parsons Engineering Source Inc. [Parsons] 2000).

2.1.1 Soil Preliminary Remediation Criteria

Soil PRCs were developed for TPH-associated compounds (benzene, toluene, ethylbenzene, xylenes [BTEX], methyl tertiary butyl ether [MTBE], and lead) and TPH fractions (TPH gasoline-, diesel-, jet fuel-, and motor oil-range). Two sets of PRC have been developed based on potential land reuse. PRC were developed for sites where residential or mixed-reuse (which includes residential reuse) is planned and for sites where no residential or mixed-reuse is planned. Soil PRC are based on data within 4 feet below ground surface (bgs). Soil samples deeper than 4 feet bgs are only evaluated for their potential to impact groundwater.

2.1.2 Groundwater Preliminary Remediation Criteria

Groundwater PRC were developed for TPH-associated compounds and TTPH. TTPH is defined as the sum of all TPH fractions. Four sets of PRC were developed based on potential land reuse, groundwater designation, and potentially completed exposure pathways. PRC were developed for (1) volatilization of constituents from groundwater to indoor air, (2) groundwater designated as a potential drinking water source, (3) potential exposures to marine ecological receptors through the storm drain exposure pathway, and (4) potential exposures to marine ecological receptors through groundwater discharging to surface water. PRC for volatilization of constituents from groundwater to indoor air have been developed for sites where residential or mixed-reuse (which includes residential reuse) is planned and for sites where no residential or mixed-reuse is planned.

2.2 TOTAL PETROLEUM HYDROCARBON STRATEGY

The TPH strategy is a series of steps that assesses the need for implementing soil and groundwater corrective actions, including comparing the data to the PRC. The soil and groundwater screening steps are summarized in the following sections.

2.2.1 Soil Screening

Soil screening steps are summarized in the following text.

Step 1: Remove Surface Staining. If areas with significant surface staining are found during redevelopment or if surface staining is present in unpaved areas, then surface stains will be removed. Common surface stains from sources such as dripping oil pans or motor vehicle parking are not considered significant and will not be removed.

Step 2: Remove Floating Product. If TTPH concentrations in soil at any depth exceed the floating product screening level of 14,000 mg/kg (the saturation concentration), then a floating product investigation will be conducted unless deeper soil samples indicate that only surface contamination exists. If floating product is found, an immediate active corrective action will be implemented.

Step 3: Identify CERCLA Contaminants of Concern. The purpose of this step is to identify whether the site has commingled contamination. If CERCLA contaminants also are present at concentrations that may present a risk to human health or the environment, TPH contamination commingled with CERCLA contaminants of concern may be addressed under the CERCLA program. The selected remediation technique should treat both types of contaminants and will depend on the concentrations of TPH and CERCLA contaminants. Otherwise, remediation for TPH may take place after the remediation for CERCLA contaminants of concern.

Step 4: Screen Data Against Site-Specific PRC. Soil PRC are selected for each site based on proposed land reuse. Concentrations of TPH-associated compounds and TPH fractions in soil 0 to 4 feet bgs are screened against PRC developed for residential and nonresidential reuse (see Table F-2-1). A screening interval of 0 to 4 feet bgs was chosen because the shallow depth to groundwater would limit soil contact at greater depths. Daily contact with shallow soils is more likely than daily contact with deeper soil intervals. Soil samples deeper than 4 feet bgs are evaluated for potential to impact groundwater.

Step 5: Conduct Additional Investigation. If sufficient data do not exist to characterize the site, then an additional investigation will be conducted.

Step 6: Determine Need for Corrective Action. Risk management considerations are used to determine whether a corrective action is warranted. For example, if numerous samples were collected at a site and only a few of those samples contained concentrations that exceed the PRC and concentrations barely exceed the PRC, then a corrective action may not be warranted. If risk management considerations favor a corrective action, then remedial action alternatives will be evaluated in a corrective action plan.

2.2.2 Groundwater Screening

Groundwater screening steps are summarized in the following text.

Step 1: Remove Floating Product. If TTPH concentrations in groundwater exceed the floating product screening level of 20 mg/L (the solubility limit), then a floating product investigation will be conducted. If floating product is found, an immediate corrective action will be implemented.

Step 2: Identify CERCLA Contaminants of Concern. The purpose of this step is to identify whether the site has commingled contamination. If CERCLA contaminants also are present at concentrations that may present a risk to human health or the environment, TPH contamination commingled with CERCLA contaminants of concern may be addressed under the CERCLA program. The selected remediation technique should treat both types of contaminants and will depend on the concentrations of TPH and CERCLA contaminants. Otherwise, remediation for TPH may take place after the remediation for CERCLA contaminants of concern.

Step 3: Conduct Storm Drain Investigation. Storm drains intersected by groundwater plumes at concentrations above PRC developed for potential exposure to marine ecological receptors through the storm drain exposure pathway (see Table F-2-1) will be considered for a storm drain investigation. If contaminated groundwater infiltrates the storm drain, then remedial action alternatives will be evaluated. Remedial action alternatives will be evaluated for treating groundwater located near the storm drain reach and will not include storm drain repairs (unless used as a temporary measure to keep contaminated groundwater from infiltrating the storm drain system until the selected remedial action for groundwater is complete).

Step 4: Screen Data Against Site-Specific PRC. Groundwater PRC are selected for each site based on proposed land reuse groundwater designation and potentially completed exposure pathways (see Tables F-2-1). The risk associated with each exposure scenario (ingestion, inhalation of vapors in indoor air, etc.) should be assessed; therefore, TTPH and TPH-associated compounds are screened against all applicable PRC (not just the most stringent PRC).

Step 5: Conduct Additional Investigation. If sufficient data do not exist to characterize the site, then a groundwater investigation will be conducted.

Step 6: Determine Need for Corrective Action. Risk management considerations are used to determine whether a corrective action is warranted. If a corrective action is warranted, then remedial action technologies will be evaluated in a corrective action plan.

3.0 TOTAL PETROLEUM HYDROCARBON RISK EVALUATION FOR SITE 9

Potential risk to human health and marine ecological receptors from TPH–associated constituents in soil and groundwater at Site 9 is evaluated in this section.

The proposed land reuse and groundwater beneficial use for Site 9 and the site-specific PRC based on proposed land reuse, groundwater designation, and potentially completed exposure pathways are summarized as follows:

- **Proposed Land Reuse and Groundwater Beneficial Use.** Site 9 is designated as part of the Inner Harbor land reuse area (Alameda Redevelopment and Reuse Authority 1996). Land reuse may include residential homes mixed with offices, retail, service commercial, research and development, or light industrial areas. Groundwater at Site 9 is designated as part of the southeastern hydrologic region of Alameda Point and is considered a potential drinking water source (Tetra Tech 2000).

- **Soil PRC.** Residential PRC for TPH fractions and TPH-associated compounds were selected for Site 9 because potential reuse of the area includes residential housing.

- **Groundwater PRC.** Residential PRC for volatilization of constituents to indoor air were selected for Site 9 because potential reuse of the area includes residential housing.

  Groundwater in the southeastern hydrologic region is considered a drinking water source; therefore, the PRC for potential drinking water sources were applied to Site 9. Storm drains associated with Outfall J were located within Site 9; therefore, PRC developed for potential exposures to marine ecological receptors through the storm drain exposure pathway were selected.

  Seaplane Lagoon and Breakwater Beach are the closest shorelines to Site 9 and are located approximately 1,000 feet to the east and south of Site 9, respectively. PRC for potential exposures to marine ecological receptors through groundwater discharging to surface water were developed for a maximum distance of 250 feet from the shoreline. Because Site 9 is located at a distance much greater than 250 feet from the nearest shoreline, PRC for potential exposures to marine ecological receptors through groundwater discharging to surface water were not applicable to Site 9.

To evaluate the potential risk to human health and marine ecological receptors from TPH-associated constituents, analytical results for soil and groundwater samples (see Tables F-3-1 and F-3-2) collected from Site 9 were screened against the previously listed site-specific PRC using the TPH strategy (steps 1 through 6). Soil and groundwater sampling locations for TPH and

TPH-associated constituents are shown on Figure F-3-1 and F-3-2, respectively. Soil and groundwater screening results are presented in the following subsections.

3.1 SOIL SCREENING

Soil screening results are summarized as follows:

Step 1: Remove Surface Staining. Significant surface staining is not present in unpaved areas within Site 9; therefore, a surface stain removal action is not warranted.

Step 2: Remove Floating Product. TTPH concentrations in soil do not exceed the floating product screening level of 14,000 mg/kg at any depth; therefore, a removal action is not warranted for floating free product in soil at Site 9.

Step 3: Identify CERCLA Contaminants of Concern.

Arsenic is the only CERCLA constituent identified in soil at Site 9 as a risk to human health or the environment (see Appendix H).

Step 4: Screen Data Against Site-Specific PRCs. TPH-associated compound concentrations did not exceed the PRC for residential reuse at Site 9 (see Table F-3-1). TPH fraction concentrations did not exceed the PRC for residential reuse at Site 9 (see Table F-3-1).

Step 5: Conduct Additional Investigation. Multiple soil samples were collected at Site 9 to assess possible TPH contamination (see Table F-3-1). Soil has been adequately characterized, and no data gaps were identified during this evaluation relating to the nature and extent of TPH contamination.

Step 6: Determine Need for Corrective Action. Corrective action is not warranted for soil at Site 9 because TPH-associated compound concentrations and TPH fraction concentrations did not exceed PRC.

3.2 GROUNDWATER SCREENING

Groundwater screening results are summarized as follows:

Step 1: Remove Floating Product. TTPH concentrations did not exceed the floating product screening level of 20 mg/L in any of the groundwater samples (see Table F-3-2); therefore, a floating product removal action is not warranted for Site 9.

Step 2: Identify CERCLA Contaminants of Concern. The CERCLA constituents identified in groundwater at Site 9 that could present a risk to human health or the environment are benzene, 1,2-dichloroethene, 2-methylnapthalene, 4-methylphenol, naphthalene, tetrachloroethene (PCE), pentachlorophenol, trichloroethene (TCE), 1,2,3-trichloropropane, vinyl chloride, metals, and polynuclear aromatic hydrocarbons (PAH) (see Appendix H).

Step 3: Conduct Storm Drain Investigation. TTPH and lead exceeded the PRC for potential exposure to marine ecological receptors through the storm drain exposure pathway.

TTPH. TTPH exceeded the PRC of 1.4 mg/L for potential exposure to marine ecological receptors through the storm drain exposure pathway at one location, 154-SN-007, 9 feet bgs at 4.5 mg/L (see Table F-3-2). The location is, however, 60.5 feet from the storm drain, and another sample collected at 9 feet bgs between this location and the storm drain, 154-SN-009, was nondetect for TTPH. There is no risk to marine ecological receptors through the storm drain exposure pathway.

Lead. Lead concentrations were above the PRC of 0.0081 mg/L in samples from four locations for groundwater considered a potential exposure to marine ecological receptors through the storm drain exposure pathway (see Table F-3-2). The sampling locations, D09-01, MW410-1, MW410-2, and SHP-S09-10, are discussed in the following text.

D09-01 was collected from 50 to 60 feet bgs, approximately 19 feet from the nearest storm drain, and contained a lead concentration of 0.009 mg/L in February 1995. Samples from D09-01 contained no detections of lead above the PRC during 1998 and 2002 sampling events. In addition, the water sample collected at D09-01 was collected from 50 to 60 feet bgs and is not likely the same water entering the storm drain. Groundwater at this sample is not considered a risk to marine ecological receptors through storm drain exposure pathways.

MW410-1 was collected from 5 to 15 feet bgs, approximately 1.5 feet from the nearest storm drain, and contained a concentration of 0.088 mg/L in August 1990. Samples in 1994, 1995, and 2002 contained no detection above the PRC at this sampling location.

MW410-2 was collected from 5 to 15 feet bgs, approximately 8 feet from the nearest storm drain, and contained a concentration of 0.09 mg/L in August 1990. Samples in 1994 and 1995 contained no concentration of lead above the PRC at this location.

SHP-S09-10 was collected from 11 feet bgs, approximately 11 feet from the nearest storm drain. Lead was detected at this location in September 1994 at 0.0289 mg/L. No other samples were collected at this location. This sample was collected using Hydropunch techniques and likely contained soil. Because the concentrations are only slightly elevated, the concentrations are attributable to lead in soil.

TPH-associated groundwater concentrations do not present a potential risk to ecological receptors through the storm drain exposure pathway; therefore, corrective action is not warranted for TPH-associated compounds near storm drains associated with Outfall J.

Step 4: Screen Data Against Site-Specific PRC. TTPH concentrations did not exceed the groundwater discharge to surface water body criteria. In addition, TTPH and TPH-associated compounds did not exceed the inhalation criteria; however, several TPH-associated compounds exceeded the site-specific PRC for groundwater designated as a potential drinking water source including benzene, toluene, MTBE and lead (see Table F-3-2).

Benzene. Benzene exceeded the PRC for groundwater designated as a potential drinking water source at four locations ranging in depth from 5 to 17 feet bgs. The sampling locations exceeding the criteria include MW410-2, SHP-S09-07, S09-DGS-DP04, S09-DGS-DP05, 9S-CH1, 9S-CH2, 9S-CH3, 9S-CH-4, P-9-IWSI-01, P-9MWS-01, P-9MWS-03, and P-9MWS-04.

Toluene. Toluene exceeded the PRC for groundwater designated as a potential drinking water source at two locations ranging in depth from 8 to 11 feet bgs. The sampling locations exceeding the criteria include DHP-S09-06 and SHP-S09-10.

MTBE. MTBE exceeded the PRC for groundwater designated as a potential drinking water source at two locations ranging in depth from 5 to 15 feet bgs. The sampling locations exceeding the criteria include MW410-2 and S09-DGS-DP08.

Lead. Lead concentrations were above the PRC in samples from three locations for groundwater considered a potential drinking water source (see Table F-3-2). The sampling locations include MW410-1, MW410-2, and SHP-S09-10 and were discussed above in Step 3.

Step 5: Conduct Additional Investigation. Multiple groundwater samples were collected at Site 9 to assess possible TPH contamination (see Table F-3-2). The groundwater has been adequately characterized.

Step 6: Determine Need for Corrective Action. Corrective action is warranted for groundwater at Site 9 because benzene, toluene, MTBE, and lead concentrations exceed the site-specific PRC in Site 9. The contaminants in groundwater are sporadically located and not associated with TPH-fraction concentrations. The contaminants are commingled with other CERCLA contaminants and should be further evaluated under the CERCLA program.

3.3 CONCLUSIONS AND LOW-RISK CLOSURE ASSESSMENT

Site 9 does not meet all RWQCB criteria for low-risk fuel site closure (see Table F-3-3). The TPH risk evaluation screening results indicate that TPH-associated constituent concentrations exceed site-specific PRCs in groundwater. The results are discussed as follows:

- Benzene concentrations exceeded the PRC for drinking water at thirteen sampling locations; toluene concentrations exceeded the PRC for drinking water at two sampling locations; MTBE concentrations exceeded the PRC for drinking water at two sampling locations, and lead exceeded the PRC for drinking water at three locations.

- Groundwater at Site 9 is designated as a potential drinking water source; therefore, the TPH-associated constituents listed previously may present a risk to human health.

Further action is recommended for TPH-associated constituents commingled with CERCLA contaminants in groundwater at Site 9 under the CERCLA program.

4.0 TOTAL PETROLEUM HYDROCARBON RISK EVALUATION FOR SITE 13

Potential risk to human health and marine ecological receptors from TPH–associated constituents in soil and groundwater at Site 13 is evaluated in this section.

- **Proposed Land Reuse and Groundwater Beneficial Use.** Site 13 is designated as part of the Inner Harbor land reuse area (Alameda Redevelopment and Reuse Authority 1996). Land reuse may include residential homes mixed with offices, retail, service commercial, research and development, or light industrial areas. Groundwater at Site 13 is designated as part of the southeastern hydrologic region of Alameda Point and is considered a potential drinking water source (Tetra Tech 2000).

- **Soil PRC.** Residential PRC for TPH fractions and TPH-associated compounds were selected for Site 13 because potential reuse of the area includes residential housing.

- **Groundwater PRC.** Residential PRC for volatilization of constituents to indoor air were selected for Site 13 because potential reuse of the area includes residential housing.

  Groundwater in the southeastern hydrologic region is considered a drinking water source; therefore, the PRC for potential drinking water sources were applied to Site 13. Storm drains associated with Outfall J were located within Site 13; therefore, PRC developed for potential exposures to marine ecological receptors through the storm drain exposure pathway were selected.

Seaplane Lagoon is the closest shoreline to Site 13 and is located approximately 1,000 feet to the east of Site 13. PRC for potential exposures to marine ecological receptors through groundwater discharging to surface water were developed for a maximum distance of 250 feet from the shoreline. Because Site 13 is located at a distance much greater than 250 feet from the nearest shoreline, PRC for potential exposures to marine ecological receptors through groundwater discharging to surface water were not applicable to Site 13.

To evaluate the potential risk to human health and marine ecological receptors from TPH-associated constituents, analytical results for soil and groundwater samples (see Tables F-4-1 and F-4-2) collected from Site 13 were screened against the previously listed site-specific PRC using the TPH strategy (steps 1 through 6). Soil and groundwater sampling locations for TPH and TPH-associated constitutents are shown on Figure F-4-1 and F-4-2, respectively. Soil and groundwater screening results are presented in the following subsections.

4.1 SOIL SCREENING

Soil screening results are summarized as follows:

Step 1: Remove Surface Staining. Significant surface staining is not present in unpaved areas within Site 13; therefore, a surface stain removal action is not warranted.

Step 2: Remove Floating Product. There are two plumes containing floating product at Site 13. The first plume (Plume 1) is located near the western end of Building 397, and a full-scale pilot study has been conducted to remove floating product using a dual vapor extraction system. The second plume (Plume 2) is located along the eastern end of Site 13. The plumes and sampling locations are discussed in more detail in the following text.

The TPH plume located near the west end of Building 397 is identified as Plume 1 in Figure F-4-1, based on the data gap sampling event at corrective action areas conducted in 2000 (Tetra Tech 2001c). Four groundwater samples were collected within the Plume 1 boundaries during this data gap sampling event. These samples do not exceed the floating product criteria; however, two borings, CA13-03 and CA13-06, drilled during the data gap investigation contained approximately 6 inches of floating product. The borings containing the floating product were not sampled; however, the information was noted in the boring logs.

The second plume, identified as Plume 2 in Figure F-4-1, is located along the eastern end of Site 13. Eight soil sampling locations, ranging in depth from 1 to 9.5 feet bgs, collected within Plume 2 contained TTPH concentrations that exceeded the floating product screening level of 14,000 mg/kg (see Table F-4-1). The sampling locations include B13-29, B13-30, B13-31, B13-41, CA13-17, CA13-20, CA13-21, and CA13-22. The southern end of the plume also is commingled with tarry refinery waste, which has been identified as a CERCLA waste at Site 13;

therefore, the commingled portion of the plume would be remediated under the CERCLA program. After the CERCLA waste is removed, any remaining TPH contamination will be remediated under the TPH program, as necessary.

Step 3: Identify CERCLA Contaminants of Concern. Arsenic, the CERCLA constituent identified in soil at Site 13, could pose a risk to human health or the environment. In addition, a black tarry material observed at the surface in the middle of Site 13, south of Building 397 is being evaluated for cleanup under the CERCLA program. A pilot test, involving a terrain conductivity geophysical evaluation and confirmation trenching, was conducted in July 2003 to evaluate weather the black tarry waste identified in this area is refinery waste and to determine the nature and extent of the material. The terrain conductivity measurements could not be positively correlated with the location of the tarry refinery waste. Five test trenches were excavated to a depth of 4 to 8 feet bgs. The black tarry material was identified in all five trenches. Samples of the material were collected from all five trenches and contained elevated concentrations of lead, benzene, and PAHs.

A black material also has been observed at the surface in the mini storage area, in the southern end of Plume 2. The terrain conductivity measurements also were inconclusive on correlation with the presence of tarry waste. Test pits were not completed in the mini storage area; however, boring logs from the mini storage area where the black tarry material was identified were reviewed and confirmed presence of the material.

Step 4: Screen Data Against Site-Specific PRCs. TPH-associated compound concentrations exceeded the PRC for residential reuse for lead (221 mg/kg) at three sampling locations, including sampling locations B13-29, B13-32, and BOR-16 (see Table F-4-1). In addition, the following TPH-fraction concentrations exceeded PRC for residential reuse at 13 sampling locations: TPH-diesel range at sampling locations CA13-17, CA13-20, CA13-21, EX13-006, and EX13-007; TPH-gasoline range at sampling locations B13-29 and CA13-21; and TPH-motor oil at sampling locations B13-28, B13-29, B13-30, B13-31, B13-44, CA13-11, CA13-15, CA13-16, CA13-17, CA13-20, and CA13-21 (see Table F-4-1). Sampling locations and constituents are discussed in further detail in the following text.

> **Lead.** Lead was detected in 1990 at surface soil sampling location BOR-16 from 0.5 to 1 foot bgs at a concentration of 260 mg/kg. This sample is located adjacent to the road and the lead contamination may be attributed to the motor vehicle traffic.
>
> Lead was detected in 1994 at surface soil sampling location B13-32 from 0.5 to 1.5 feet bgs at a concentration of 431 mg/kg, within the driveway of the mini storage units. Lead was detected in 1994 at surface soil sampling location B13-29 from 1-1.5 feet bgs at a concentration of 378 mg/kg, also within the driveway of the storage units and within the area of the tarry refinery waste.

TPH Fractions. Elevated concentrations of TPH-diesel range above the residential PRC of 1,380 mg/kg were detected in the center of Site 13 at sampling locations EX13-006 and EX13-007 at 1,600 mg/kg, and 5,800 mg/kg, respectively. Tarry refinery waste was previously excavated in this area, and the TPH-diesel range detected in this location is likely attributable to the tarry refinery waste.

Elevated concentrations of TPH-motor oil range above the residential PRC of 1,900 mg/kg were detected in the vicinity of the former recreational vehicle park and within the center of Plume 2 at sampling locations B13-30, B13-31, and B13-44 in the range of 3,200 to 297,320 mg/kg.

Elevated concentrations of TPH-fractions (TPH-motor oil range and TPH-gasoline range) were detected at sampling locations B13-28, B13-29, CA13-11, CA13-15, CA13-16, CA13-17, CA13-20, and CA13-21 within the mini storage area and the location of the tarry refinery waste, in the southern portion of Plume 2. The concentrations were in the range of 7,400 to 69,200 mg/kg for TPH-motor oil and 1,300 mg/kg gasoline (above residential PRC of 1,030 mg/kg).

Step 5: Conduct Additional Investigation. Multiple soil samples were collected at Site 13 to assess possible TPH contamination (see Table F-4-1). Soil has been adequately characterized, and no data gaps were identified during this evaluation relating to the nature and extent of TPH contamination in the area of Plume 1. Tarry refinery waste is present in the soil south of Plume 1 and the extent is being evaluated under the CERCLA program. A portion of Plume 2, however, is commingled with the tarry refinery waste. The extent of commingled contamination is not defined. Further investigation is recommended to evaluate remedial alternatives during the feasibility study or remedial design activities.

Step 6: Determine Need for Corrective Action. Corrective action is warranted for soil at Site 13 because TPH-associated compound concentrations and TPH-fraction concentrations exceed PRC for soil. Currently, the soil within Plume 1 is being treated using a dual-phase vapor extraction system under the TPH program. The southern end of Plume 2 will require corrective action under the CERCLA program because of the presence of the tarry refinery waste. Any remaining TPH contamination will be remediated under the TPH program, as necessary.

4.2 GROUNDWATER SCREENING

Groundwater screening results are summarized as follows:

Step 1: Remove Floating Product. Eleven groundwater samples collected at sampling locations B13-28, B13-29, B13-30, CA13-11, CA13-12, CA13-13, CA13-15, CA13-17, CA13-20, CA13-22, and CA13-24 contained TTPH concentrations that exceeded the floating

product screening level of 20 mg/L (see Table F-4-2); therefore, a floating product removal action is warranted for Site 13.

Sampling location B13-30, in the northern portion of Plume 2, and sampling locations B13-28, B13-29, CA13-11, CA13-12, CA13-13, CA13-15, CA13-17, CA13-20, CA13-22, and CA13-24 are located within the mini storage area and the location of the tarry refinery waste, in the southern portion of Plume 2 (see Figure F-4-2).

Step 2: Identify CERCLA Contaminants of Concern. CERCLA constituents identified in groundwater at Site 13 that could pose a risk to human health or the environment include arsenic, benzene, manganese, pentachlorophenol, thallium, and TCE. In addition, the southern portion of Plume 2 is commingled with the tarry refinery waste.

Step 3: Conduct Storm Drain Investigation. TTPH exceeded the PRC of 1.4 mg/L for potential exposure to marine ecological receptors through the storm drain exposure pathway at several sampling locations (see Table F-4-2) within Plume 1 and Plume 2. TTPH groundwater plumes that intersect the storm drain associated with Outfall J were delineated in the TPH storm sewer study addendum report (Tetra Tech 2001a). Three samples, S13-DGS-VE01, S13 DGS-VE02, and S13-DGS-VE03, were collected from within the bedding material of the storm drains during the data gap investigation for Operable Units (OU) 1 and 2 in July 2001 (Tetra Tech 2001b). S13-DGS-VE01, located near Plume 1, contained TPH below the PRC of 1.4 mg/L. S13-DGS-VE02, located within Plume 2, contained 1.9 mg/L, and S13-DGS-VE03, located within Plume 2, contained 3.95 mg/L, within the portion of the storm drain that has been damaged, indicating it is unlikely that there is a completed exposure pathway at this location.

TTPH samples collected at CA13-11 through CA13-17 as well as CA13-20 through CA13-25 exceeded the PRC of 1.4 mg/L. The samples were collected within the southern portion of Plume 2, in the vicinity of the tarry refinery waste from locations that intersect a storm drain with unknown condition. Therefore, contaminants at these locations have the potential to reach marine ecological receptors through the storm drain exposure pathway.

Benzene exceeded the PRC for potential exposure to marine ecological receptors (0.7 mg/L) through the storm drain exposure pathway at two locations (CA13-12 and CA13-17) within the southern portion of Plume 2. Lead also exceeded the PRC for potential exposure to marine ecological receptors (0.0081 mg/L) at CA13-14, CA13-16, and CA13-19 in the southern portion of Plume 2.

Step 4: Screen Data Against Site-Specific PRC. TTPH compound concentrations did not exceed the groundwater discharge to surface water body criteria. Benzene exceeded the site-specific PRC for groundwater designated as a potential drinking water source and volatilization of benzene from groundwater to indoor air in several locations. In addition, lead exceeded the site-specific PRC for groundwater designated as a potential drinking water source

in several sampling locations (see Table F-4-2). A summary of samples exceeding site-specific PRC for benzene and lead is presented in the following text.

Benzene. Benzene was detected at a concentration of 0.4 mg/L at sampling location MW-1 (within Plume 1) in October 1990. Since that sampling event, groundwater samples have been collected and analyzed for benzene at this location in December 1994, February 1995, June 1995, August 1995, April 2000, and June 2001. Because benzene has not been detected above the PRC during any of the more recent sampling events, benzene concentrations in MW-1 currently are consistent with groundwater designated as a potential drinking water source, including volatilization of benzene from groundwater to indoor air.

At sampling location M13-07 (within Plume 2), benzene was detected above the site-specific PRC at a concentration of 0.086 mg/L in November 1994, 0.011 mg/L in February 1995, 0.023 mg/L in June 1995, 0.044 mg/L in August 1995 0.4 mg/L at sampling location MW-1. Benzene was not detected in groundwater samples collected at MW-1 in April 2000 or June 2001; therefore, benzene concentrations in M13-07 currently do not exceed site-specific groundwater PRC for groundwater designated as a potential drinking water source, including volatilization of benzene from groundwater to indoor air.

At sampling location B13-30 (within Plume 2), benzene was detected above the site-specific PRC at a concentration of 0.18 mg/L in December 1994. Benzene was not detected in groundwater sample, CA13-01 (0 to 10 feet bgs), collected adjacent to sampling location B13-30 (5.5 to 6 feet bgs) during the data gap investigation at corrective action areas conducted in 2000. Benzene concentrations at CA13-01 and B13-30 currently do not exceed PRC for groundwater designated as a potential drinking water source, including volatilization of benzene from groundwater to indoor air.

Sampling locations B13-29, CA13-11, CA13-12, CA13-13, CA13-14, CA13-15, CA13-16, CA13-17, CA13-22, CA13-23, CA13-25 in the southern portion of Plume 2 contained benzene concentrations above the PRC. Benzene was detected at location B13-29 at a concentration of 0.0.021 mg/L in December 1994. Benzene was detected at sampling locations CA13-11, CA13-12, CA13-13, CA13-14, CA13-15, CA13-16, CA13-17, CA13-22, CA13-23, CA13-25 at concentrations ranging from of 0.0014 to 1.4 mg/L. These samples indicate a benzene plume exists in this location and exceed the PRC for a potential drinking water source and volatilization of benzene from groundwater to indoor air. This portion of Plume 2 is commingled with the tarry refinery waste.

Lead. Lead was detected above the PRC of 0.015 mg/L for drinking water at B-IMF-09, B-IMF-10 and M-IMF-02, CA13-16, and CA13-20 within the vicinity of the tarry refinery waste in the range of 0.23 to 1.77 mg/L.

Step 5: Conduct Additional Investigation. Multiple groundwater samples were collected at Site 13 to assess possible TPH contamination (see Table F-4-2). Two plumes appear to exist at Site 13: Plume 1, which contains TPH contamination, and Plume 2, which contains elevated concentrations of TPH, benzene, and lead. The plumes have been adequately characterized for this evaluation. Additional data may be necessary for remedial design assessment under a corrective action plan or feasibility study.

Step 6: Determine Need for Corrective Action. Corrective action is warranted for groundwater at Site 13 because TTPH, TPH-fractions, benzene, and lead concentrations exceed the site-specific PRC at Site 13. Plume 1 may be remediated under the TPH program, and Plume 2, which is commingled with tarry refinery waste, will be remediated under the CERCLA program. Upon completion of the remediation under CERCLA, any remaining TPH contamination at Plume 2 will be addressed under the TPH program.

4.3 CONCLUSIONS AND LOW-RISK CLOSURE ASSESSMENT

Site 13 does not meet RWQCB criteria for low-risk fuel site closure (see Table F-4-3). The TPH risk evaluation screening results indicate that TTPH and TPH-associated constituent concentrations exceed site-specific PRCs for in soil and groundwater. The results are discussed as follows:

- TTPH concentrations exceeded the floating product screening level of 14,000 mg/kg in soil samples and the floating product screening level of 20 mg/L in groundwater; therefore, the source of groundwater contamination has not been removed.
- TTPH, benzene, and lead were detected at concentrations above the storm drain exposure pathway for marine ecological receptors; therefore, they present a risk to the environment.
- Benzene and lead concentrations in groundwater exceeded the PRC for drinking water criteria and volatilization to indoor air; therefore, they present a risk to human health. TPH-fractions in soil exceed the PRC for residential reuse, indicating a potential risk to human health.

Further action is recommended for TTPH and TPH-associated constituent concentrations present in soil and groundwater at Site 13 under the CERCLA program for commingled contaminants and the TPH program.

5.0 TOTAL PETROLEUM HYDROCARBON RISK EVALUATION FOR SITE 19

Potential risk to human health and marine ecological receptors from TPH–associated constituents in soil and groundwater at Site 19 is evaluated in this section. The proposed land reuse and groundwater beneficial use for Site 19 and the site-specific PRC based on proposed

land reuse, groundwater designation, and potentially completed exposure pathways are summarized as follows:

- **Proposed Land Reuse and Groundwater Beneficial Use.** Site 19 is designated as part of the Inner Harbor land reuse area (Alameda Redevelopment and Reuse Authority 1996). Land reuse may include residential homes mixed with offices, retail, service commercial, research and development, or light industrial areas. Groundwater at Site 19 is designated as part of the southeastern hydrologic region of Alameda Point and is considered a potential drinking water source (Tetra Tech 2000).

- **Soil PRC.** Residential PRC for TPH fractions and TPH-associated compounds were selected for Site 19 because potential reuse of the area includes residential housing.

- **Groundwater PRC.** Residential PRC for volatilization of constituents to indoor air were selected for Site 19 because potential reuse of the area includes residential housing.

  Groundwater in the southeastern hydrologic region is considered a drinking water source; therefore, the PRC for potential drinking water sources were applied to Site 19. Storm drains associated with Outfall J were located within Site 19; therefore, PRC developed for potential exposures to marine ecological receptors through the storm drain exposure pathway were selected.

  The Seaplane Lagoon is the closest shoreline to Site 19 and is approximately 1,000 feet to the east of Site 19. PRC for potential exposures to marine ecological receptors through groundwater discharging to surface water were developed for a maximum distance of 250 feet from the shoreline. Because the Site 19 is located at a distance much greater than 250 feet from the nearest shoreline, PRC for potential exposures to marine ecological receptors through groundwater discharging to surface water were not applicable to Site 19.

To evaluate the potential risk to human health and marine ecological receptors from TPH-associated constituents, analytical results for soil and groundwater samples (see Tables F-5-1 and F-5-2) collected from Site 19 were screened against the previously listed site-specific PRC using the TPH strategy (steps 1 through 6). Soil and groundwater sampling locations for TPH and TPH-associated constituents are shown on Figures F-5-1 and F-5-2, respectively. Soil and groundwater screening results are presented in the following subsections.

5.1 SOIL SCREENING

Soil screening results are summarized as follows:

Step 1: Remove Surface Staining. Significant surface staining is not present in unpaved areas within Site 19; therefore, a surface stain removal action is not warranted.

Step 2: Remove Floating Product. TTPH concentrations in the soil do not exceed the floating product screening level of 14,000 mg/kg (see Table F-5-1) at any depth in Site 19. Neither floating product investigation nor corrective action is warranted.

Step 3: Identify CERCLA Contaminants of Concern. CERCLA constituents identified in soil at Site 19 that could pose a risk to human health or the environment include arsenic (see Appendix H).

Step 4: Screen Data Against Site-Specific PRCs. With one exception, TPH-associated compound concentrations did not exceed the PRC for residential reuse at Site 19 (see Table F-5-1).

LEAD. Lead was detected at 303 mg/kg at a surface soil. Lead was not detected at 8 of the samples collected at the same location between 7 and 15.5 feet bgs, indicating lead was limited to the surface soil at that location. No other soil samples detected lead at Site 19.

TPH-FRACTIONS. A TPH-fraction concentration exceeded the residential PRC for the motor oil range in one surface soil sampling location, B19-17 (see Table F-5-1). The sample was collected from 1 to 2 feet bgs and contained TPH-motor oil range at a concentration of 4,680 mg/kg. Two samples collected at the same location from 2.5 to 3.5 feet bgs and 5 to 6 feet bgs did not contain detectable concentrations of motor oil range petroleum hydrocarbons. It appears that motor oil was only detected in surface soil at one location and does not indicate significant TPH contamination at depth or at the site.

Step 5: Conduct Additional Investigation. Multiple soil samples were collected at Site 19 to assess possible TPH contamination (see Table F-5-1). Soil has been adequately characterized, and no data gaps relating to the nature and extent of TPH contamination in this evaluation were identified.

Step 6: Determine Need for Corrective Action. Corrective action is not warranted for soil at Site 19 because there were only two surface samples with concentrations that exceeded the PRC, and these do not indicate widespread TPH contamination in the soil. One surface soil sample exceeded the PRC for TPH, and one different surface soil exceeded the PRC for lead.

5.2 GROUNDWATER SCREENING

Groundwater screening results are summarized as follows:

Step 1: Remove Floating Product. TTPH concentrations did not exceed the floating product screening level of 20 mg/L in any of the groundwater samples (see Table F-5-2); therefore, a floating product removal action is not warranted for Site 9.

Step 2: Identify CERCLA Contaminants of Concern. CERCLA constituents identified in groundwater at Site 19 that could pose a risk to human health or the environment include arsenic, manganese, PCE and TCE.

Step 3: Conduct Storm Drain Investigation. TTPH did not exceed the PRC of 1.4 mg/L for potential exposure to marine ecological receptors through the storm drain exposure pathway at any sampling locations (see Table F-5-2). TPH-associated compound concentrations, benzene, toluene, ethylbenzene and MTBE did not exceed the PRC for potential exposure to marine ecological receptors through the storm drain exposure pathway at any of the sampling points (see Table F-5-2). However, lead concentrations exceeded the PRC of 0.0081 mg/L for potential exposure to marine ecological receptors through the storm drain exposure pathway

> **Lead**. Lead was detected above the PRG in 1990 at three sampling locations: MWD13-1, MWD13-3 and MWD13-4 (see Table F-5-2). No elevated concentrations of lead were detected during subsequent sampling events from 1994 to 2001. In addition, the samples were all located 50 to 118 feet from the nearest storm drain; therefore, groundwater at Site 19 does not currently present a risk for potential exposure to marine ecological receptors through the storm drain exposure pathways.

Step 4: Screen Data Against Site-Specific PRC. TTPH compound concentrations did not exceed the PRC for groundwater designated as a potential drinking water source. In addition, TTPH and TPH-associated compounds, including toluene, ethylbenzene, xylene and MTBE, did not exceed the PRC for groundwater designated as a potential drinking water source or groundwater discharging to surface water (see Table F-5-2). However, benzene and lead concentrations exceeded the PRC for groundwater designated as a potential drinking water source.

> **Lead**. Lead concentration in groundwater exceeded the PRC of 0.015 mg/L at three locations, MWD13-1, MWD13-3 and MWD13-4, in 1990; however, lead was not detected at concentrations above the PRC at these locations during subsequent sampling events occurring from 1994 to 2001.
>
> **Benzene**. Benzene in groundwater exceeded the PRC at one sampling location, MWD13-4 (see Table F-5-2). Benzene was detected at 0.002 mg/L in 1994, above the PRG of 0.001 mg/L at this sampling location. Benzene was not detected at concentrations above the PRC at this location during subsequent sampling events occurring from June 2001 to April 2003.

Step 5: Conduct Additional Investigation. Multiple groundwater samples were collected at Site 19 to assess possible TPH contamination (see Table F-5-2). Groundwater has been adequately characterized, and no data gaps were identified during this investigation.

Step 6: Determine Need for Corrective Action. Corrective action is not warranted for groundwater at Site 19 because recent data indicate that TPH-fractions and TPH-associated compound concentrations did not exceed any of the site-specific PRC in groundwater.

5.3 CONCLUSIONS AND LOW-RISK CLOSURE ASSESSMENT

Site 19 meets the following RWQCB criteria for low-risk fuel site closure (see Table F-5-3):

- The TPH risk evaluation screening results indicate that only one soil sample exceeded the site-specific PRCs for motor oil and only one soil sample exceeded the PRC for lead at isolated surface soil locations, and corrective action is not warranted.
- Groundwater at Site 19 is designated as a potential drinking water source. No current groundwater data exceed the PRC.

No further action is necessary under the TPH program for TPH-fraction or TPH-associated constituents at Site 19.

6.0 TOTAL PETROLEUM HYDROCARBON RISK EVALUATION FOR SITE 23

Potential risk to human health and marine ecological receptors from TPH–associated constituents in soil and groundwater at Site 23 is evaluated in this section.

- **Proposed Land Reuse and Groundwater Beneficial Use.** Site 23 is designated as part of the Inner Harbor land reuse area (Alameda Redevelopment and Reuse Authority 1996). Land reuse may include residential homes mixed with offices, retail, service commercial, research and development, or light industrial areas. Groundwater at Site 23 is designated as part of the southeastern hydrologic region of Alameda Point and is considered a potential drinking water source (Tetra Tech 2000).
- **Soil PRC.** Residential PRC for TPH fractions and TPH-associated compounds were selected for Site 23 because potential reuse of the area includes residential housing.
- **Groundwater PRC.** Residential PRC for volatilization of constituents to indoor air were selected for Site 23 because potential reuse of the area includes residential housing.

Groundwater in the southeastern hydrologic region is considered a drinking water source; therefore, the PRC for potential drinking water sources were applied to Site 23. Storm drains associated with Outfall J and Outfall P were located within Site 23; therefore, PRC developed for potential exposures to marine ecological receptors through the storm drain exposure pathway were selected.

The Sea Plane Lagoon is the closest shoreline to Site 23 and is located approximately 1,200 feet to the northeast of Site 23. The San Francisco Bay is located approximately 1,000 feet south of Site 23. PRCs for potential exposures to marine ecological receptors through groundwater discharging to surface water were developed for a maximum distance of 250 feet from the shoreline. Because the Site 23 is located at a distance much greater than 250 feet from the nearest shoreline, PRC for potential exposures to marine ecological receptors through groundwater discharging to surface water were not applicable to Site 23.

To evaluate the potential risk to human health and marine ecological receptors from TPH-associated constituents, analytical results for soil and groundwater samples (see Tables F-6-1 and F-6-2) collected from Site 23 were screened against the previously listed site-specific PRC using the TPH strategy (steps 1 through 6). Soil and groundwater sampling locations for TPH and TPH-associated constituents are shown on Figure F-6-1 and F-6-2. Soil and groundwater screening results are presented in the following subsections.

6.1 SOIL SCREENING

Soil screening results are summarized as follows:

Step 1: Remove Surface Staining. Site 23 is predominantly paved.

Step 2: Remove Floating Product. Nine samples, ranging in depth from 1 to 5.5 feet bgs, collected at sampling locations 211-001-008, 211-SS-001, 211-SS-003, 211-SS-004, 530-1-MOJ, 530-3-MOJ, 530-15-MOJ, 530-22-MOJ, and 530-25-MOJ, contained TTPH concentrations that exceeded the floating product screening level of 14,000 mg/kg (see Table F-6-1).

Sampling Locations 211-001-008, 211-SS-004 and 530-25-MOJ. TTPH was detected in 1995 at a concentration of 17,540 mg/kg at sampling location 211-001-008 from 0 to 0.5 feet bgs. In addition, sample 211-SS-004 was collected in 1995 from 3.5 to 4 feet bgs, almost directly underneath 211-001-008, and TTPH was detected at a concentration of 72,000 mg/kg. In 1997, a nearby sample was collected at sampling location 530-25-MOJ at 5 feet bgs, and TTPH was detected at a concentration of 32,050 mg/kg.

Sampling Location 211-SS-001. TTPH was detected in 1995 at sampling location 211-SS-001 from 2.5 to 3 feet bgs at a concentration of 14,700 mg/kg.

Sampling Location 211-SS-003. TTPH was detected in 1995 at sampling location 211-SS-003 from 2.5 to 3 feet bgs at a concentration of 28,000 mg/kg.

Sampling Locations 530-1-MOJ, 530-3-MOJ, 530-15-MOJ, and 530-22-MOJ. TTPH was detected in 1997 at sampling locations 530-1-MOJ, 530-3-MOJ, 530-15-MOJ, and 530-22-MOJ at concentrations ranging from 17,700 to 23,300 mg/kg. These samples were collected at depths ranging from 5 to 5.5 feet bgs.

Step 3: Identify CERCLA Contaminants of Concern. Arsenic, a CERCLA constituent identified in soil at Site 23, could pose a risk to human health or the environment.

Step 4: Screen Data Against Site-Specific PRCs. TPH-fraction concentrations exceeded PRC for residential reuse at the following 13 sampling locations: TPH-diesel range at sampling locations 211-001-001, 211-001-002, 21-001-005, 211-001-008, 211-002-011, 211-IWCO-001, 211-SS-001 through 211-SS-004, and 530-MJ-MW-1; TPH-gasoline range at sampling locations 211-IWCO-001, 211-SS-001 through 211-SS-004, 530-17-MOJ, and 530-MJ-MW-2; and jet fuel at sampling locations 530-17-MOJ, 530-MJ-MW-1, and 530-MJ-MW-2 (see Table F-6-1). TPH-associated compound concentrations did not exceed the PRC for residential reuse at any sampling locations (see Table F-6-1). Sampling locations and constituents are discussed in further detail in the following text.

TPH-Diesel. Concentrations of TPH-diesel range (from 1,500 to 35,000 mg/kg) were detected above the residential PRC (1,380 mg/kg) in the western side of Site 23 at sampling locations 211-001-001, 211-001-002, 21-001-005, 211-001-008, 211-002-011, 211-IWCO-001, and 211-SS-001 through 211-SS-004 in 1995 as well as at sampling location 530-MJ-MW-1 in 1997.

TPH-Gasoline. Concentrations of TPH-gasoline range (from 1,180 to 37,000 mg/kg) were detected above the residential PRC (1,030 mg/kg) at sampling locations 211-IWCO-001 and 211-SS-001 through 211-SS-004 in 1995 and at locations 530-17-MOJ and 530-MJ-MW-2 in 1997.

TPH-Jet Fuel. Concentrations of jet fuel (from 2,800 to 8,600 mg/kg) were detected above the residential PRC (1,380 mg/kg) at sampling locations 530-17-MOJ, 530-MJ-MW-1, and 530-MJ-MW-2 in 1997.

Step 5: Conduct Additional Investigation. Multiple soil samples were collected at Site 23 to assess possible TPH contamination (see Table F-6-1). Soil has been adequately characterized.

Step 6: Determine Need for Corrective Action. Corrective action is warranted for floating product and TPH-fractions in soil at Site 23. In addition, TPH-fractions were detected in soil samples deeper than the screening criteria of 4 feet bgs, also indicating a potential impact to groundwater. The Navy has been conducting floating product removals at Site 23 as part of a pilot-scale dual vapor extraction system at Corrective Action Area 13 (west of Building 530 in the former defueling area). Based on the October 29, 2003, technical memorandum, 26,852 pounds of free product has been removed from this location (Navy 2003).

6.2 GROUNDWATER SCREENING

Groundwater screening results are summarized as follows:

Step 1: Remove Floating Product. Fourteen groundwater samples collected at nine sampling locations, 530-3-MOJ through 530-5-MOJ, 530-12-MOJ, 530-15-MOJ, 530-25-MOJ, 530-MJ-MW-1, 530-MJ-MW-2, and CA13-08, contained TTPH concentrations that exceeded the floating product screening level of 20 mg/L (see Table F-6-2). Concentrations detected at these locations exceeded the floating product screening level at concentrations ranging from 23.8 to 1,360,000 mg/L.

Step 2: Identify CERCLA Contaminants of Concern. CERCLA constituents identified in groundwater at Site 23 that could pose a risk to human health or the environment include arsenic, 1,2,4-trimethylbenzene, various PAHs, and thallium.

Step 3: Conduct Storm Drain Investigation. TTPH exceeded the PRC of 1.4 mg/L for potential exposure to marine ecological receptors through the storm drain exposure pathway at multiple sampling locations (see Table F-6-2). A TTPH groundwater plume that intersects the storm drain associated with Outfall J was delineated in the TPH storm sewer study addendum report (Tetra Tech 2001a). Based on recommendations presented in the TPH storm sewer study addendum report, Tetra Tech collected two samples along the storm drains located downgradient of the TTPH plume during the data gap investigation for OU 1 and 2 in July 2001 (Tetra Tech 2001b). The first sample, S23-DGS-VE01, collected near a storm drain manhole at storm line location FJ, contained 2.93 mg/L of TTPH (above the PRC of 1.4 mg/L). The second sample, S09-DGS-VE02, collected west of the manhole, did not contain detectable concentrations of TTPH. TTPH groundwater concentrations present a potential risk to ecological receptors through the storm drain exposure pathway.

Lead was the only TPH-associated constituent that exceeded the PRC for potential exposure to marine ecological receptors (0.0081 mg/L) through the storm drain exposure pathway at several sampling locations; however, all of the samples were collected at greater than 20 feet bgs or were greater than 50 feet from the storm drain (see Tables F-6-2). In addition, BTEX and MTBE did not exceed the PRC in sample S23-DGS-VE01 or S23-DGS-VE02 (lead was not analyzed in these samples).

Step 4: Screen Data Against Site-Specific PRC. TTPH compound concentrations were not evaluated for groundwater discharge to surface water body criteria because Site 23 is greater than 250 feet from the shoreline. Benzene exceeded the site-specific PRC for groundwater designated as a potential drinking water source. Benzene also exceeded the PRC at several locations for indoor air inhalation risk from volatilization of benzene from groundwater to indoor air. Xylenes also exceeded the site-specific PRC for groundwater designated as a potential drinking water source at one sampling location. In addition, lead exceeded the site-specific PRC for groundwater designated as a potential drinking water source at several sampling locations (see Table F-6-2).

Benzene. Benzene was detected at concentrations above the site-specific PRC (0.001 mg/L for potential drinking water source and 0.00991 mg/L for volatilization from groundwater to indoor air) at locations 211-002-011, 211-002-015, 530-1-MOJ, 530-3MOJ, 530-MJ-MW1, CA13-07, CA13-08, DHP-S10B-01, and MW530-1. Concentrations ranged from 0.001 to 0.18 mg/L from 1990 to 2000.

Xylenes. Xylenes were detected above the site-specific PRC (1.75 mg/L) for groundwater designated as a potential drinking water source at location 530-MJ-MW-2 at a concentration of 11 mg/L in 1998.

Lead. Lead was detected above the site-specific PRC (0.015 mg/L) for groundwater designated as a potential drinking water source at locations DHP-S10B-03 (1994), MW410-4 (1990), MW530-1 (1990), MW530-2 (1998) and MWOR-5 (1990) at concentrations ranging from 0.055 to 0.36 mg/L.

Step 5: Conduct Additional Investigation. Multiple groundwater samples were collected at Site 23 to assess possible TPH contamination (see Table F-6-2). Additional design study samples also have been collected to support the Navy's pilot study west of Building 530.

Step 6: Determine Need for Corrective Action. Corrective action is warranted for groundwater at Site 23 because TTPH and TPH-associated constituents exceed the site-specific PRC and because floating product is present in groundwater. The Navy has been conducting full-scale pilot studies at this site to remove TTPH free product and TPH-associated constituents using dual-vapor extraction (Navy 2003).

6.3 CONCLUSIONS AND LOW-RISK CLOSURE ASSESSMENT

Site 23 does not meet RWQCB criteria for low-risk fuel site closure (see Table F-6-3). The TPH risk evaluation screening results indicate that TTPH, TPH-fractions, and TPH-associated constituent concentrations exceed site-specific PRCs for soil and groundwater. The results are discussed as follows:

- Groundwater has been impacted at Site 23. The TTPH concentration exceeded the floating product screening level of 14,000 mg/kg in soil and the floating product screening level of 20 mg/L in groundwater, indicating a continuing source to the groundwater contamination.

- TPH-fractions in soil exceed the PRC for residential reuse, indicating a potential risk to human health.

- TTPH and TPH-associated constituents may be a threat for marine ecological receptors through the storm drain exposure pathway.

- TPH-associated constituents exceeded the PRC for groundwater considered as a drinking water source and volatilization of constituents to indoor air, indicating a risk to human health.

Further action is recommended for TTPH and TPH-associated constituent concentrations present in soil and groundwater at Site 23.

7.0 LOW-RISK FUEL SITE CLOSURE ASSESSMENT SUMMARY

The low-risk site closure assessment is presented in Table F-3-3 for Site 9, Table F-4-3 for Site 13, Table F-5-3 for Site 19, and Table F-6-3 for Site 23. The assessment indicates that the RWQCB criteria for low-risk fuel site closure have been met for Site 19 and have not been met for Sites 9, 13, and Site 23.

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