N00236.002042
ALAMEDA POINT
SSIC NO. 5090.3

FIGURES

FINAL OPERABLE UNIT 2B
REMEDIAL INVESTIGATION REPORT
SITES 3, 4, 11, AND 21

DATED 05 AUGUST 2005

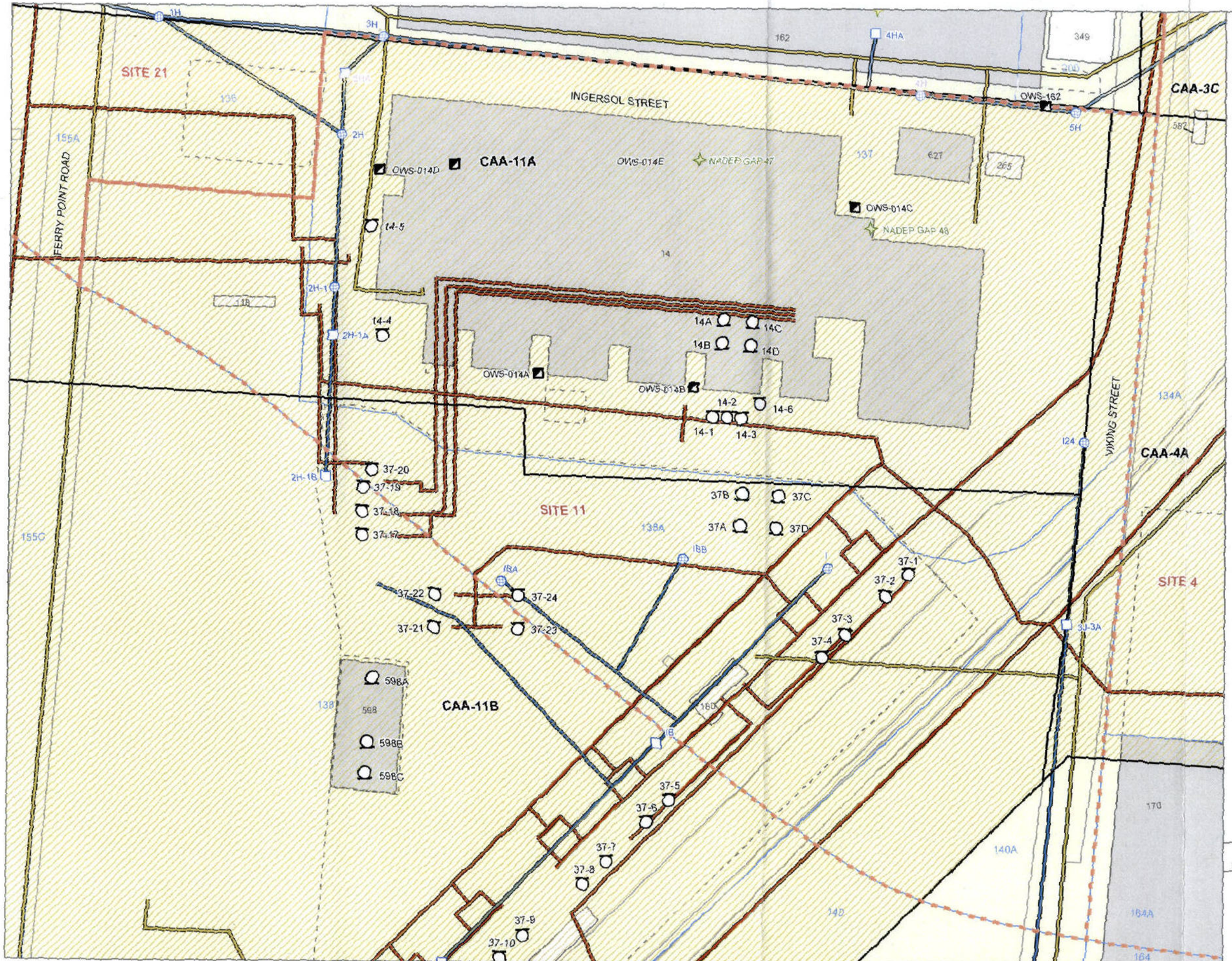

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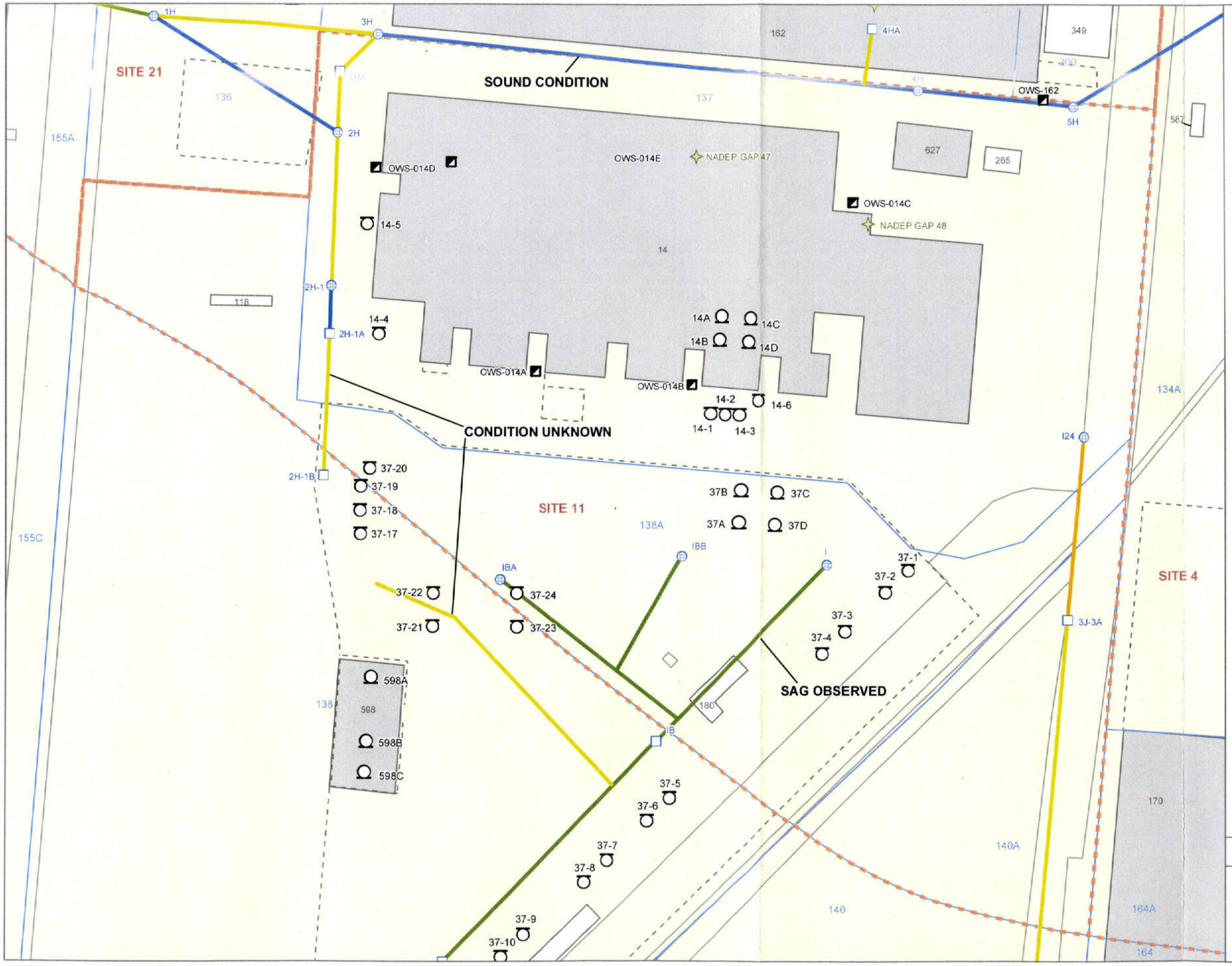
FIGURE 7-1
SITE 11 FEATURES

Operable Unit 2B
Remedial Investigation Report

2005-03-15 U:\almda_sa\do030\OU2B_RI\mxd\fig07-01_s11_features.mxd TtEMI-SA K. Johnson



ABOVEGROUND STORAGE TANK (AST)
- Present
- Removed

UNDERGROUND STORAGE TANK (UST)
- Present
- Removed
- GENERATOR ACCUMULATION POINT (GAP)
- CATCH BASIN
- MANHOLE
- OIL-WATER SEPARATOR (OWS)
- FENCE

STORM SEWER CONDITION
- No Data
- Likely Above Groundwater Table
- Below Groundwater Table
- Likely Below Groundwater Table
- CERCLA SITE BOUNDARY
- # ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL BOUNDARY AND NUMBER
- LAND COVER

BUILDING
- Present
- Removed

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
GAP = Generator accumulation point
NADEP = Naval Aviation Depot Alameda

30 0 30 60 Feet

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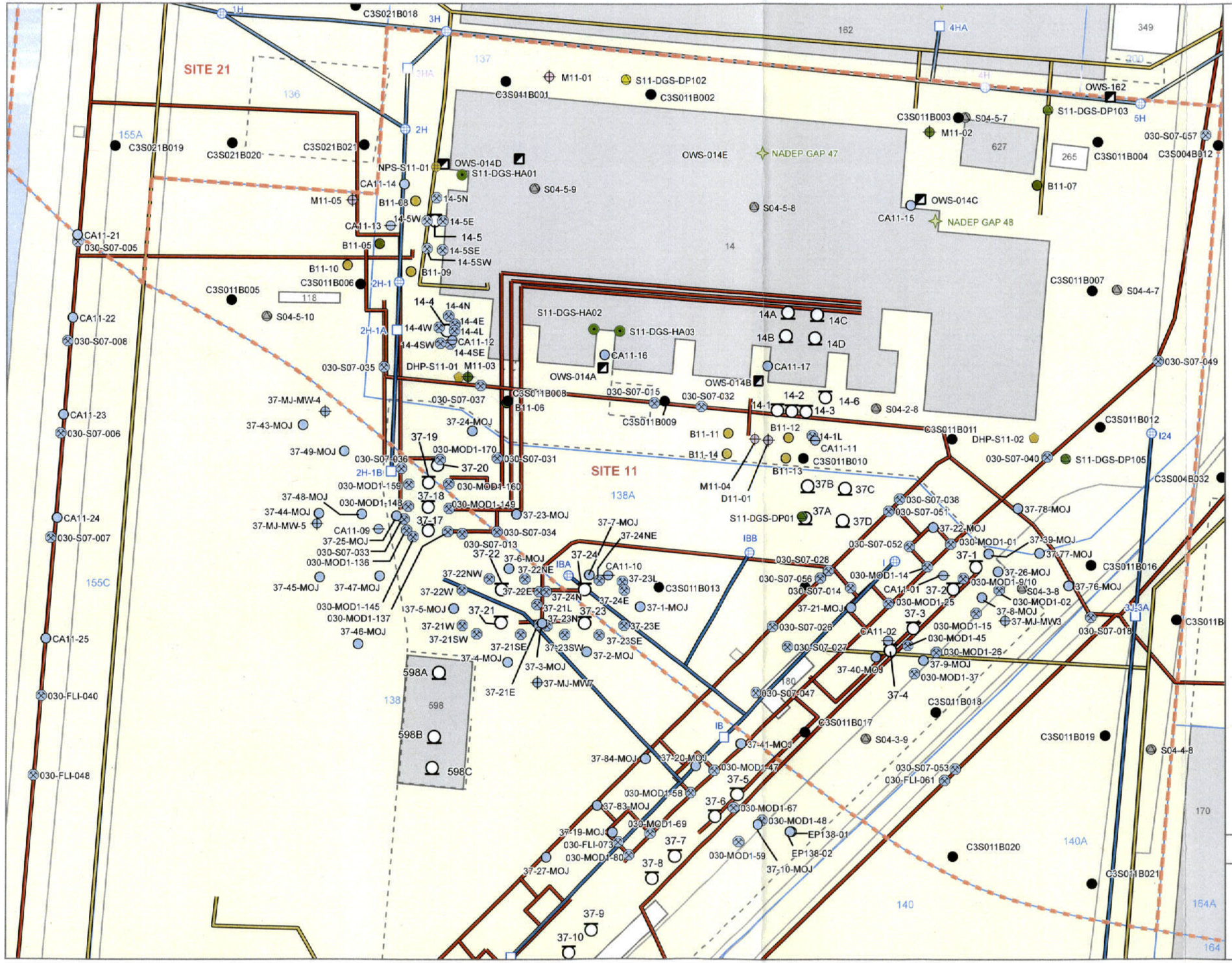
FIGURE 7-2
CONDITION OF STORM SEWERS AT SITE 11

Operable Unit 2B
Remedial Investigation Report

03/18/2005 U:\alameda_sa\do030\OU2B_RI\mxd\fig07-02_s11_sewer_cond.mxd TtEMI-SA K. Johnson



SAMPLING LOCATION
- Direct-Push
- Excavation
- Hand Auger
- Hydro Punch
- Manhole Storm Drain
- Monitoring Well
- Piezometer
- Soil Boring

SAMPLING INVESTIGATION
- Phase 2B & 3, 1991
- Follow-on Investigation, 1994
- Follow-on Investigation, 1998
- Supplemental RI Data Gap Sampling, 2001
- Basewide Groundwater Monitoring, 2002
- Total Petroleum Hydrocarbon Program
- Polynuclear aromatic hydrocarbon investigation of 2003

ABOVEGROUND STORAGE TANK (AST)
- Present
- Removed

UNDERGROUND STORAGE TANK (UST)
- Present
- Removed

- GENERATOR ACCUMULATION POINT (GAP)
- CATCH BASIN
- MANHOLE
- OIL-WATER SEPARATOR (OWS)
- FENCE
- FUEL LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CERCLA SITE BOUNDARY
- ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL BOUNDARY AND NUMBER
- LAND COVER
- WATER

BUILDING
- Present
- Removed

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
GAP = Generator accumulation point
NADEP = Naval Aviation Depot Alameda
RI = Remedial Investigation
TPH= Total Petroleum Hydrocarbon

30 0 30 60 Feet

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FIGURE 7-3
SITE 11 SAMPLING LOCATIONS FOR THE CERCLA AND TPH INVESTIGATIONS

Operable Unit 2B
Remedial Investigation Report

04/29/2005 U:\almda_sa\do030\OU2B_RI\mxd\fig07-03_s11_cercla_investigations.mxd TtEMI-SA T. Munley

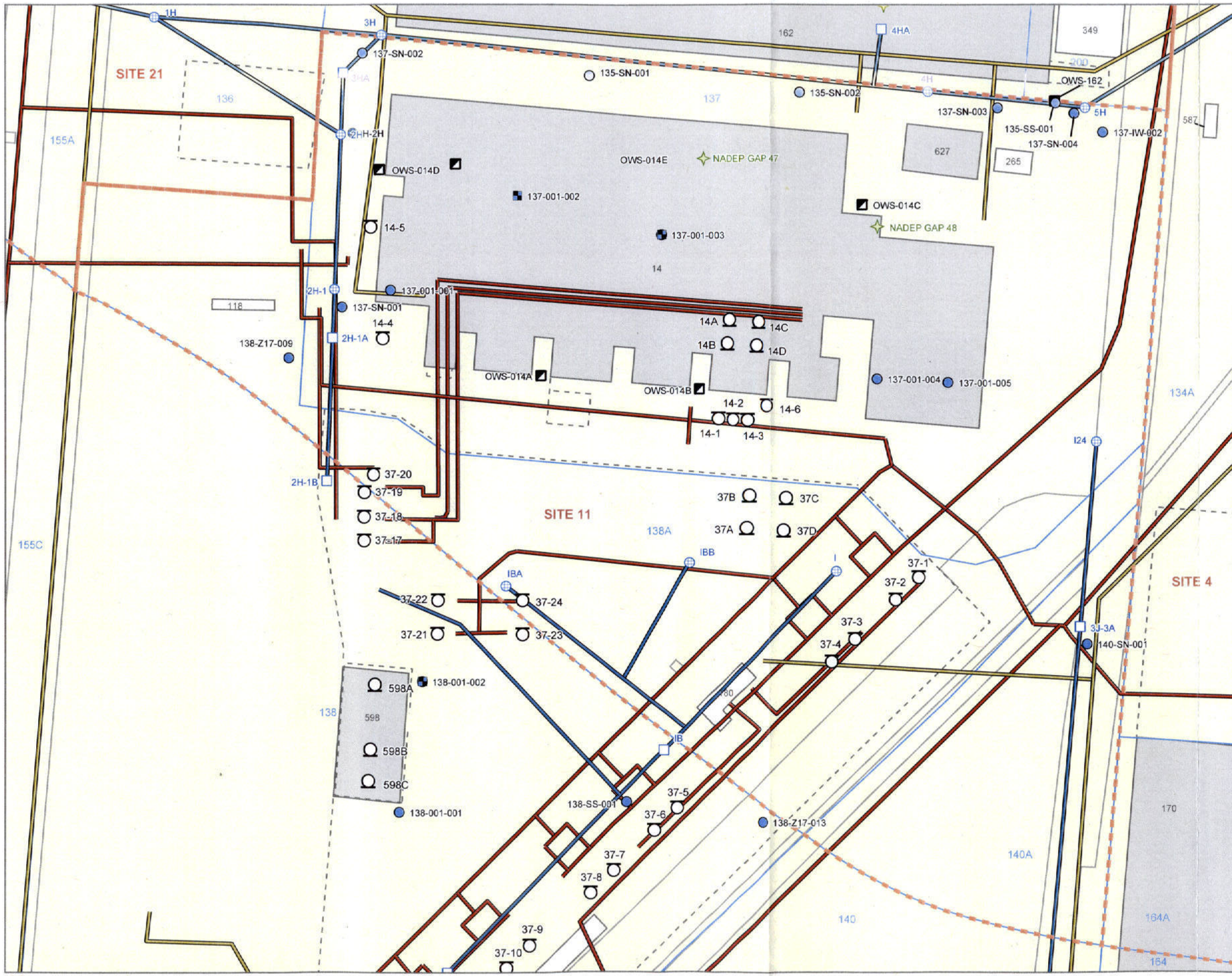

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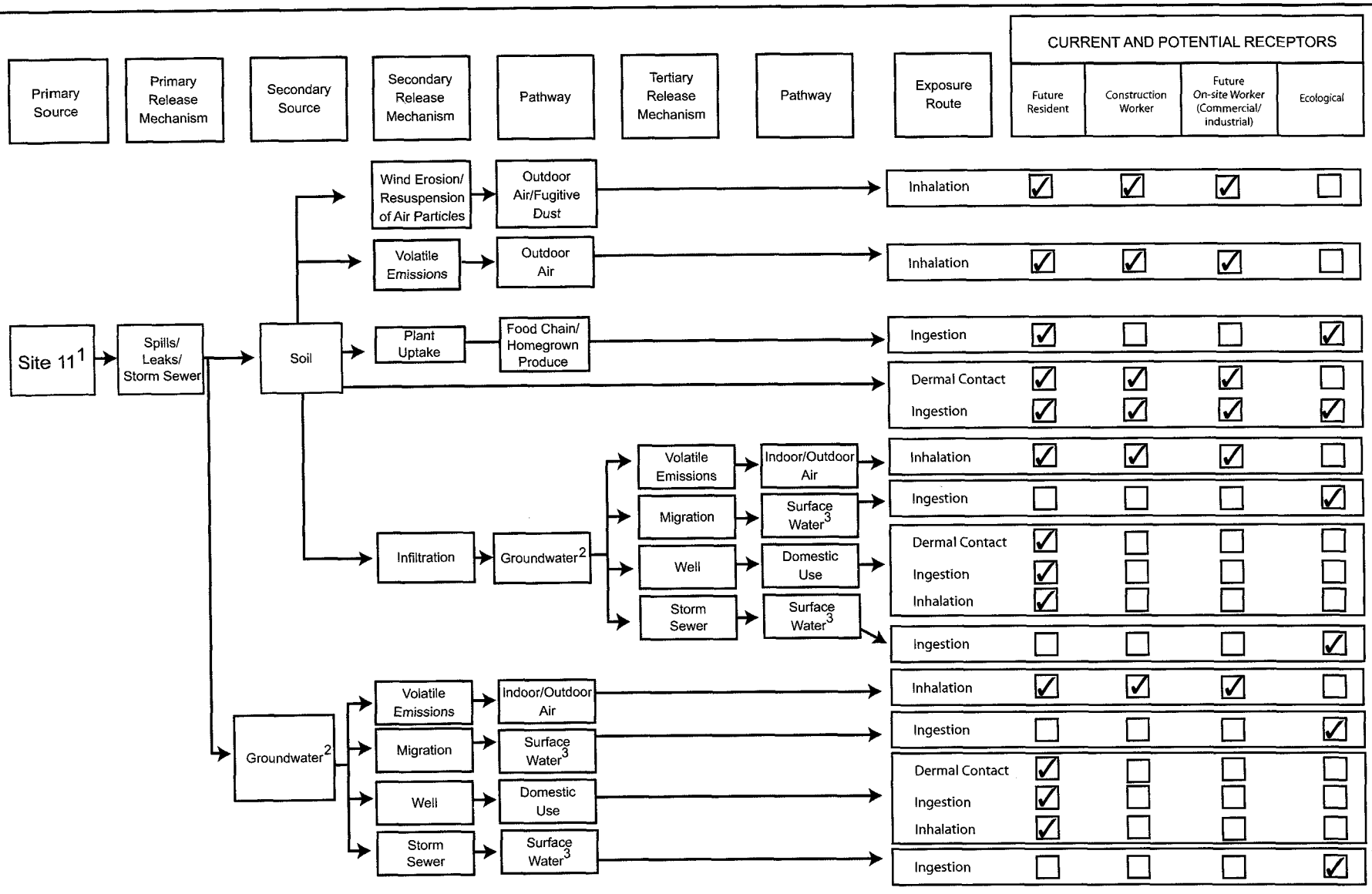
FIGURE 7-4
SITE 11 SAMPLING LOCATIONS FOR THE EBS INVESTIGATIONS

Operable Unit 2B
Remedial Investigation Report

03/16/2005 U:\almda_sa\do030\OU2B_RI\mxd\fig07-04_s11_ebs_investigations.mxd TtEMI-SA T. Munley



1 Building 14, OWSs 14A through E, USTs 14-1 through 14-6, ASTs 37A through D, and USTs 37-1 through 37-4 and associated fuel lines
2 OU-wide plume is not addressed in this section
3 Seaplane Lagoon

✓ Potentially complete pathway, exposure quantified

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FIGURE 7-5
SITE 11 CONCEPTUAL SITE MODEL
Operable Unit 2B
Remedial Investigation Report

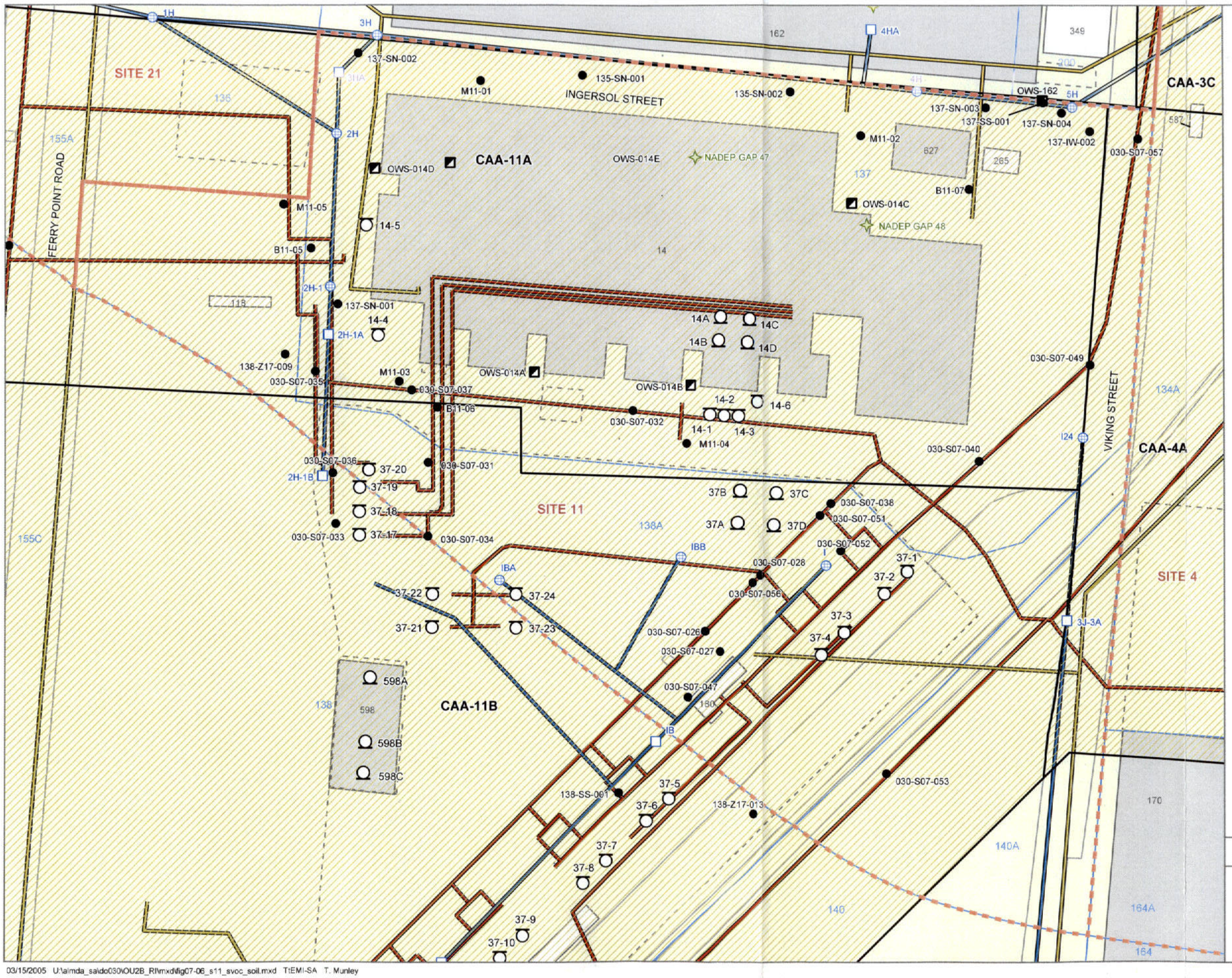

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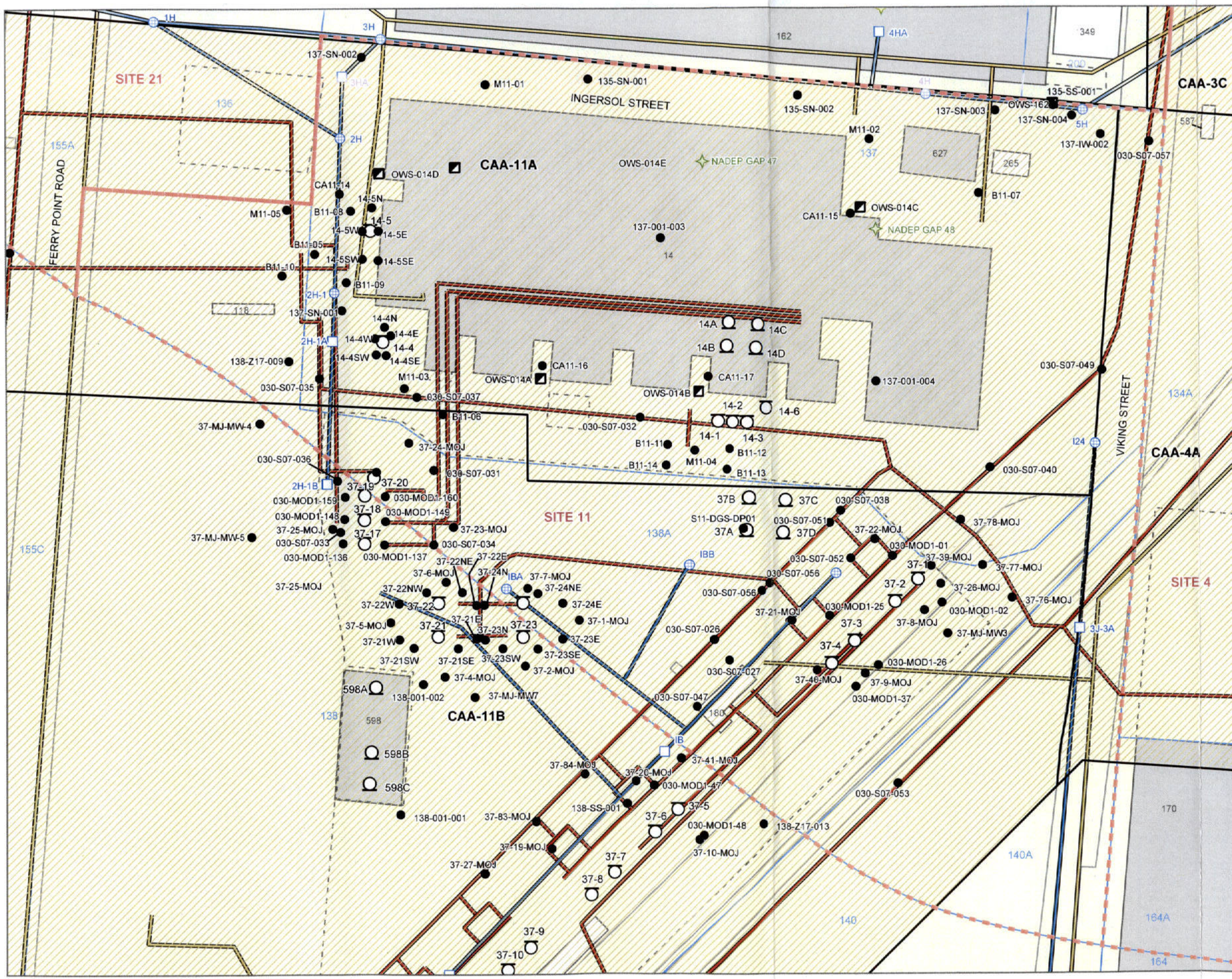
FIGURE 7-6
SITE 11 SAMPLING LOCATIONS FOR SVOCs IN SOIL

Operable Unit 2B
Remedial Investigation Report

03/15/2005 U:\alameda_sa\do030\OU2B_RI\mxd\fig07-06_s11_svoc_soil.mxd TtEMI-SA T. Munley



SAMPLING LOCATION

- Location analyzed for VOCs in soil

ABOVEGROUND STORAGE TANK (AST)

- Present
- Removed

UNDERGROUND STORAGE TANK (UST)

- Present
- Removed
- GENERATOR ACCUMULATION POINT (GAP)
- CATCH BASIN
- MANHOLE
- OIL-WATER SEPARATOR (OWS)
- FENCE
- FUEL LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CORRECTIVE ACTION AREA (CAA)
- CERCLA SITE BOUNDARY
- ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL BOUNDARY AND NUMBER
- LAND COVER

BUILDING

- Present
- Removed

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
GAP = Generator accumulation point
NADEP = Naval Aviation Depot Alameda

30 0 30 60 Feet

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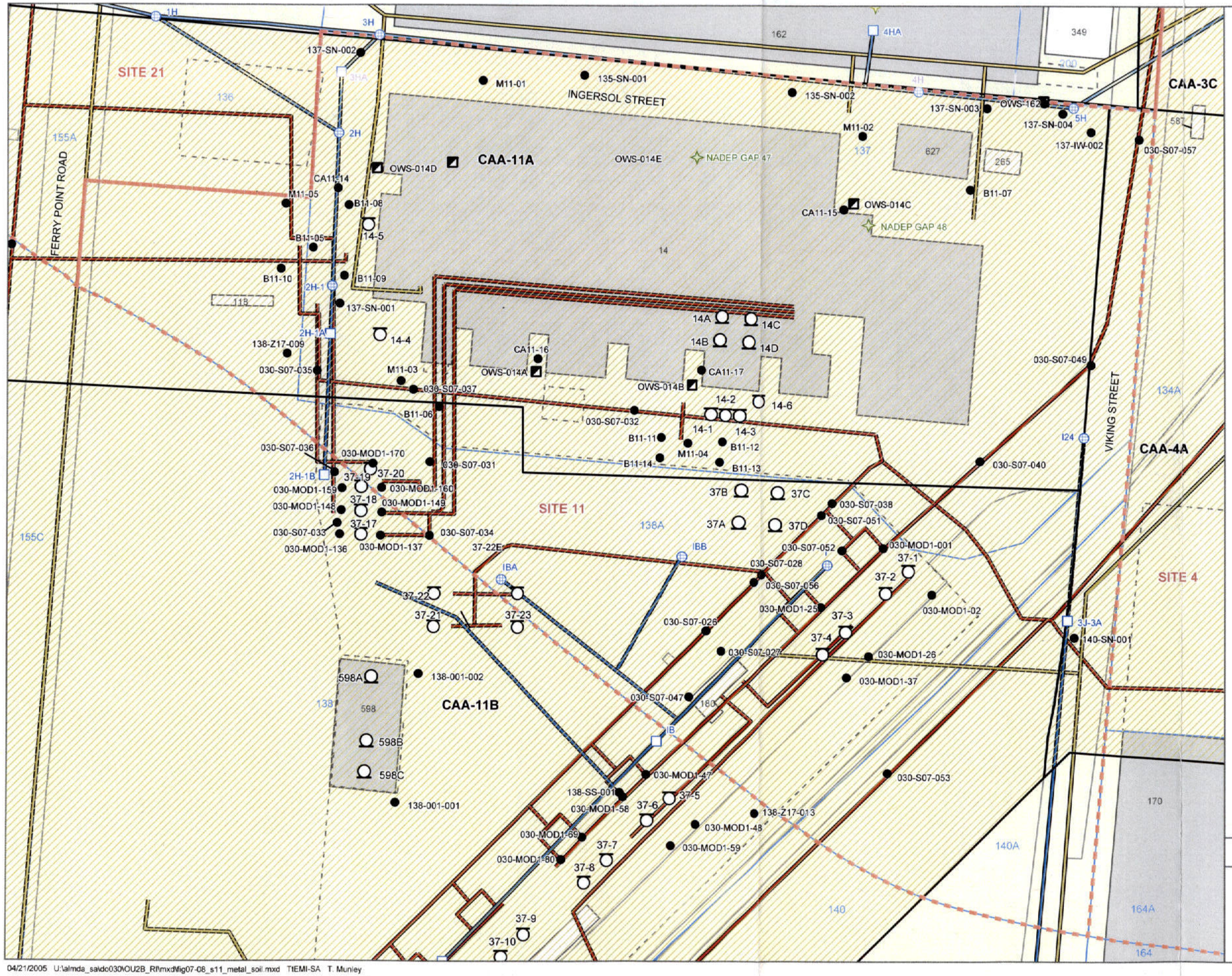
FIGURE 7-7
SITE 11 SAMPLING LOCATIONS FOR VOCs IN SOIL

Operable Unit 2B
Remedial Investigation Report

03/11/2005 U:\almda_sa\do030\OU2B_RI\mxd\fig07-07_s11_voc_soil.mxd TtEMI-SA T. Munley



SAMPLING LOCATION

- Location analyzed for metals in soil

ABOVEGROUND STORAGE TANK (AST)

- Present
- Removed

UNDERGROUND STORAGE TANK (UST)

- Present
- Removed
- GENERATOR ACCUMULATION POINT (GAP)
- CATCH BASIN
- MANHOLE
- OIL-WATER SEPARATOR (OWS)
- FENCE
- FUEL LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CORRECTIVE ACTION AREA (CAA)
- CERCLA SITE BOUNDARY
- ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL BOUNDARY AND NUMBER
- LAND COVER

BUILDING

- Present
- Removed

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
GAP = Generator accumulation point
NADEP = Naval Aviation Depot Alameda

30 0 30 60 Feet

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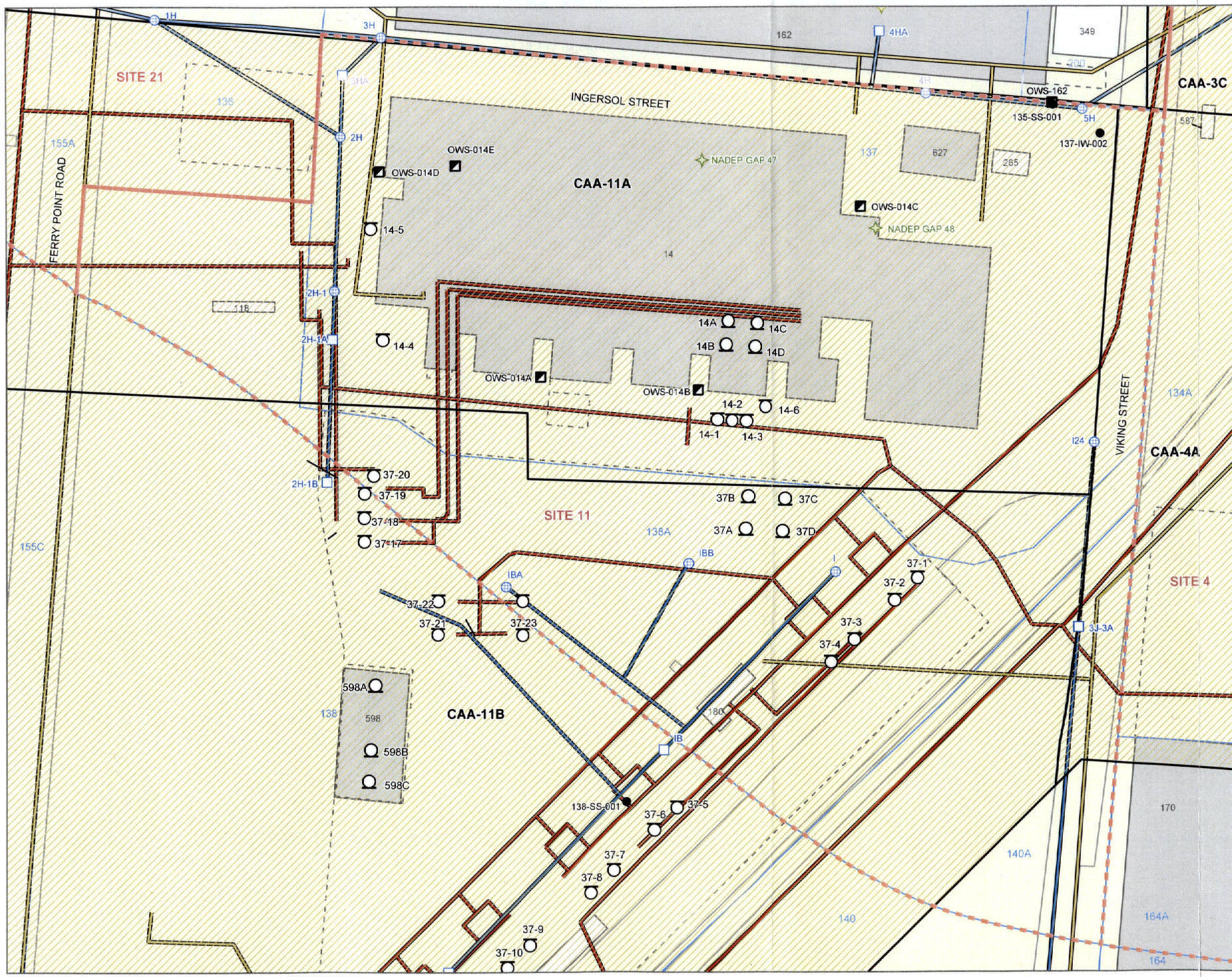
FIGURE 7-8
SITE 11 SAMPLING LOCATIONS FOR METALS IN SOIL

Operable Unit 2B
Remedial Investigation Report

04/21/2005 U:\alameda_sa\dc030\OU2B_RI\mxd\fig07-08_s11_metal_soil.mxd TtEMI-SA T. Munley



SAMPLING LOCATION

- Location analyzed for pesticides in soil

ABOVEGROUND STORAGE TANK (AST)

- Present
- Removed

UNDERGROUND STORAGE TANK (UST)

- Present
- Removed
- GENERATOR ACCUMULATION POINT (GAP)
- CATCH BASIN
- MANHOLE
- OIL-WATER SEPARATOR (OWS)
- FENCE
- FUEL LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CORRECTIVE ACTION AREA (CAA)
- CERCLA SITE BOUNDARY
- ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL BOUNDARY AND NUMBER
- LAND COVER

BUILDING

- Present
- Removed

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
GAP = Generator accumulation point
NADEP = Naval Aviation Depot Alameda

30 0 30 60 Feet

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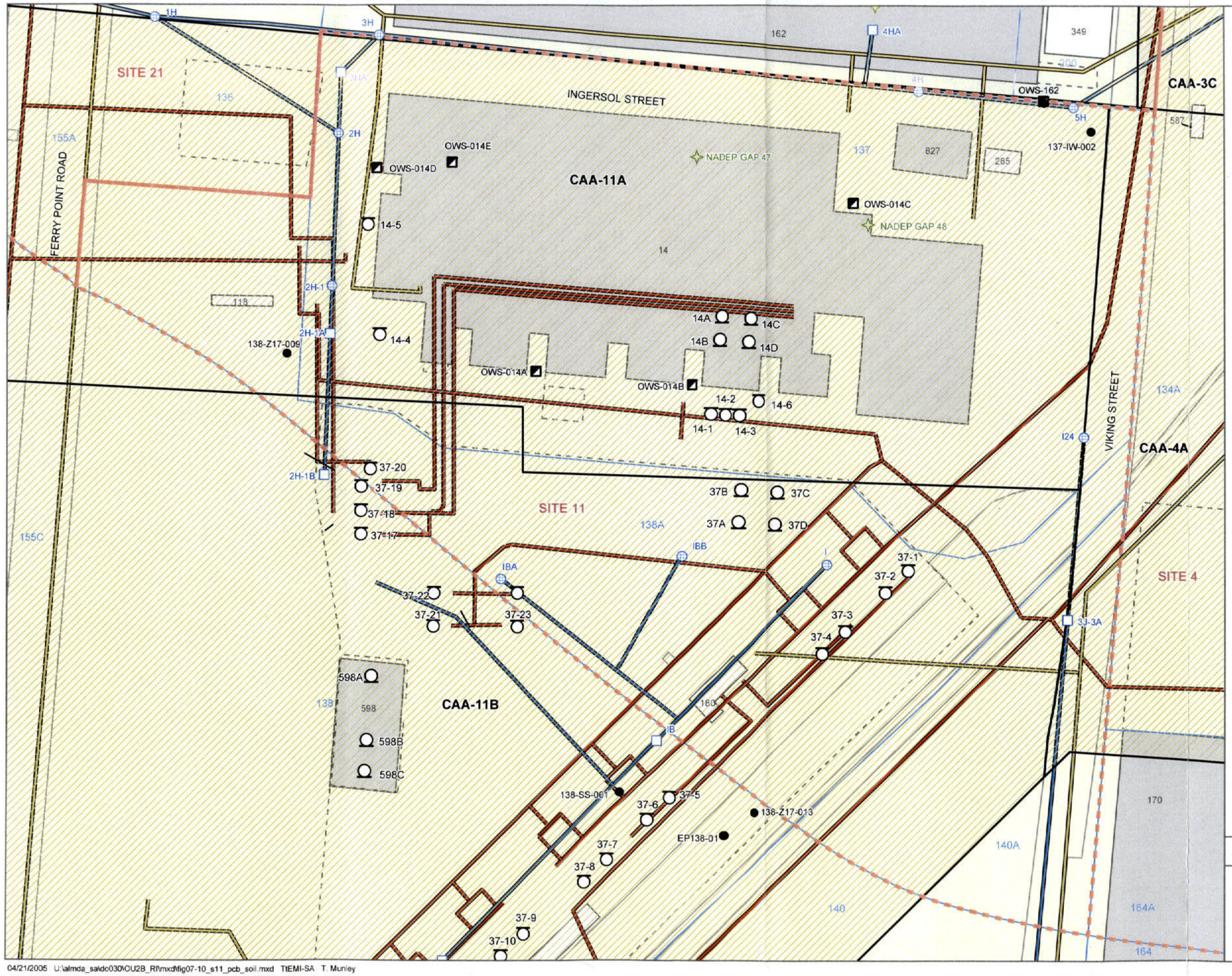
FIGURE 7-9
SITE 11 SAMPLING LOCATIONS FOR PESTICIDES IN SOIL

Operable Unit 2B
Remedial Investigation Report

04/21/2005 U:\almda_sa\do030\OU2B_RI\mxd\fig07-09_s11_pest_soil.mxd TtEMI-SA T. Munley



SAMPLING LOCATION

- Location analyzed for PCBs in soil

ABOVEGROUND STORAGE TANK (AST)

- Present
- Removed

UNDERGROUND STORAGE TANK (UST)

- Present
- Removed
- GENERATOR ACCUMULATION POINT (GAP)
- CATCH BASIN
- MANHOLE
- OIL-WATER SEPARATOR (OWS)
- FENCE
- FUEL LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CORRECTIVE ACTION AREA (CAA)
- CERCLA SITE BOUNDARY
- ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL BOUNDARY AND NUMBER
- LAND COVER

BUILDING

- Present
- Removed

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
GAP = Generator accumulation point
NADEP = Naval Aviation Depot Alameda

30 0 30 60 Feet

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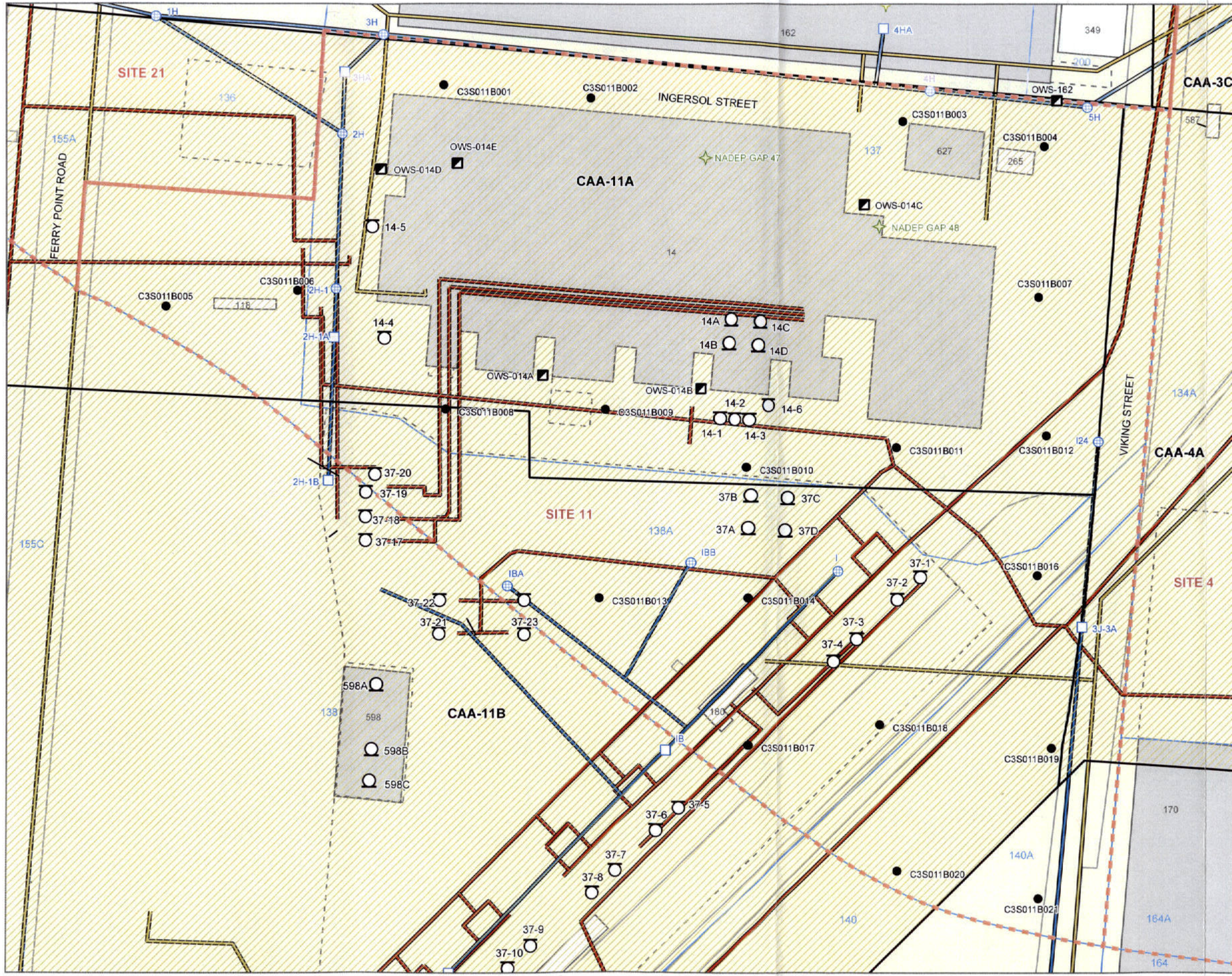
FIGURE 7-10
SITE 11 SAMPLING LOCATIONS FOR PCBs IN SOIL

Operable Unit 2B
Remedial Investigation Report

04/21/2005 U:\almda_sa\dc030\OU2B_RI\mxd\fig07-10_s11_pcb_soil.mxd TtEMI-SA T. Munley



SAMPLING LOCATION

- Location analyzed for PAHs in soil

ABOVEGROUND STORAGE TANK (AST)

- Present
- Removed

UNDERGROUND STORAGE TANK (UST)

- Present
- Removed
- GENERATOR ACCUMULATION POINT (GAP)
- CATCH BASIN
- MANHOLE
- OIL-WATER SEPARATOR (OWS)
- FENCE
- FUEL LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CORRECTIVE ACTION AREA (CAA)
- CERCLA SITE BOUNDARY
- ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL BOUNDARY AND NUMBER
- LAND COVER

BUILDING

- Present
- Removed

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
GAP = Generator accumulation point
NADEP = Naval Aviation Depot Alameda

30 0 30 60 Feet

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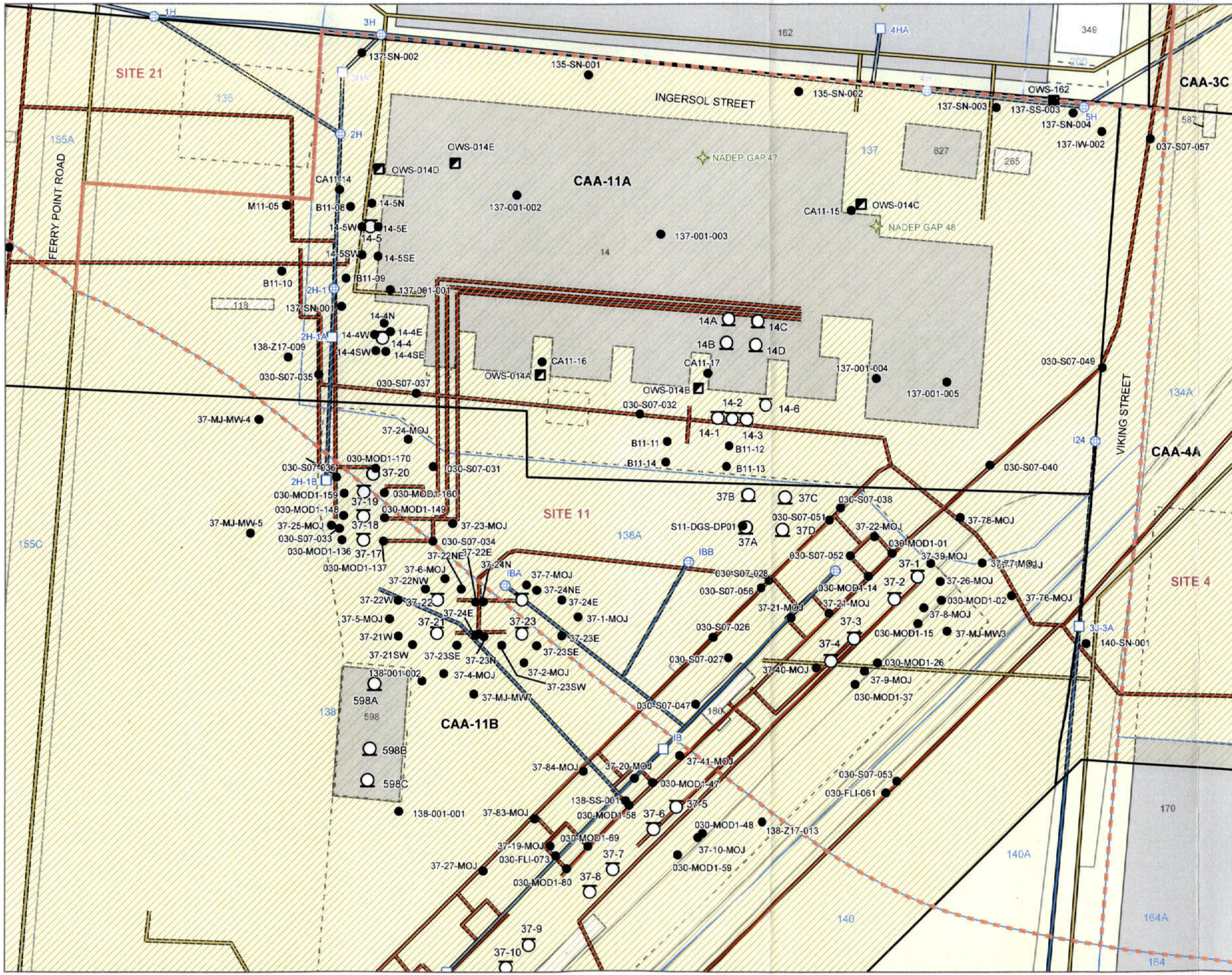
FIGURE 7-11
SITE 11 SAMPLING LOCATIONS FOR PAHs IN SOIL

Operable Unit 2B
Remedial Investigation Report

04/21/2005 U:\almda_sa\do030\OU2B_RI\mxd\fig07-11_s11_pah_soil.mxd TtEMI-SA T. Munley



SAMPLING LOCATION

- Location analyzed for TPH in soil

ABOVEGROUND STORAGE TANK (AST)

- Present
- Removed

UNDERGROUND STORAGE TANK (UST)

- Present
- Removed
- GENERATOR ACCUMULATION POINT (GAP)
- CATCH BASIN
- MANHOLE
- OIL-WATER SEPARATOR (OWS)
- FENCE
- FUEL LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CORRECTIVE ACTION AREA (CAA)
- CERCLA SITE BOUNDARY
- ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL BOUNDARY AND NUMBER
- LAND COVER

BUILDING

- Present
- Removed

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
GAP = Generator accumulation point
NADEP = Naval Aviation Depot Alameda

30 0 30 60 Feet

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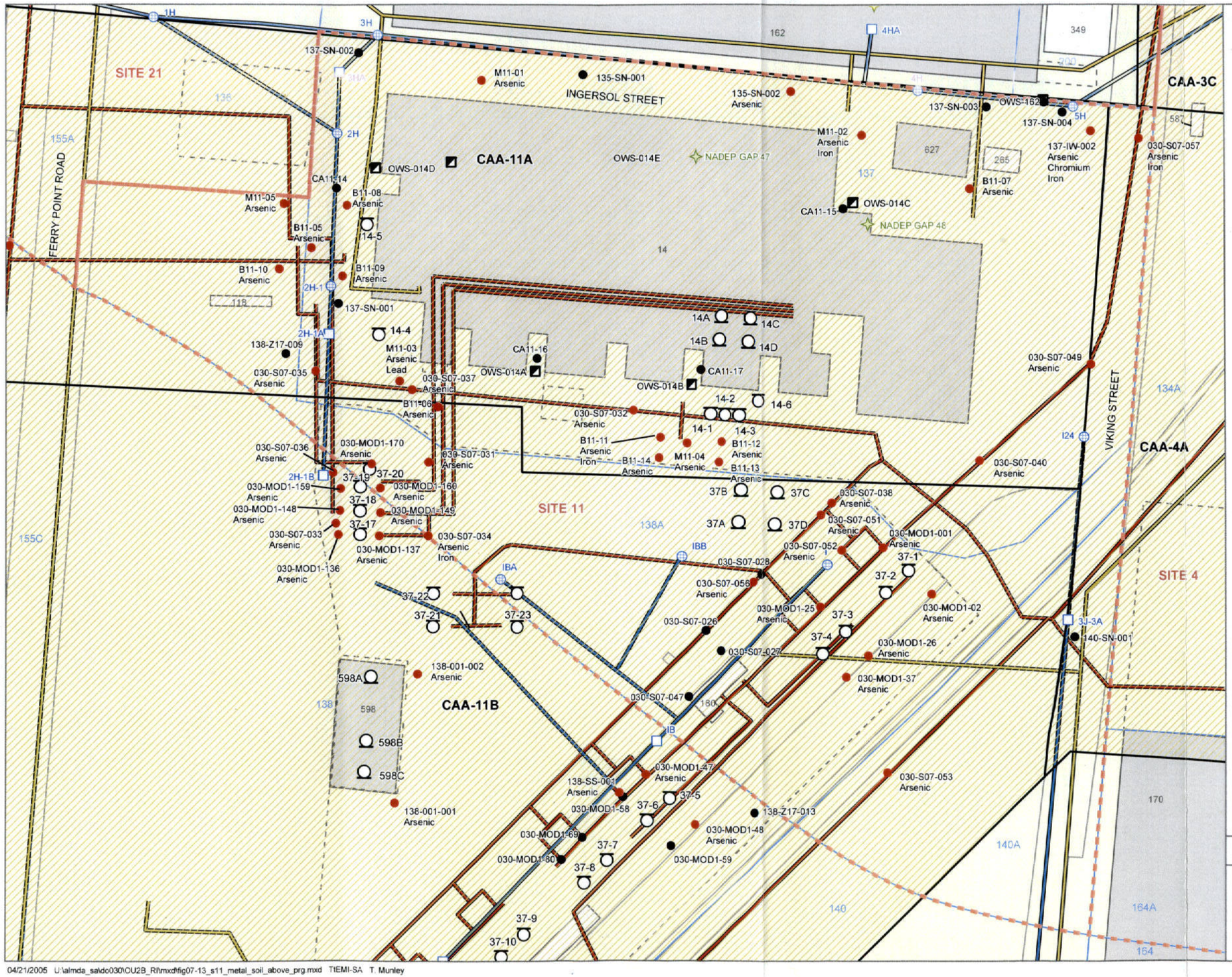
FIGURE 7-12
SITE 11 SAMPLING LOCATIONS FOR TPH IN SOIL

Operable Unit 2B
Remedial Investigation Report

04/21/2005 U:\almda_saldo030\OU2B_RI\mxd\fig07-12_s11_tph_soil.mxd TtEMI-SA T. Munley



SAMPLING LOCATION

- Metals in Site 11 soil exceeding PRGs
- Metals in Site 11 soil not exceeding PRGs

ABOVEGROUND STORAGE TANK (AST)

- Present
- Removed

UNDERGROUND STORAGE TANK (UST)

- Present
- Removed
- GENERATOR ACCUMULATION POINT (GAP)
- CATCH BASIN
- MANHOLE
- OIL-WATER SEPARATOR (OWS)
- FENCE
- FUEL LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CORRECTIVE ACTION AREA (CAA)
- CERCLA SITE BOUNDARY
- ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL BOUNDARY AND NUMBER
- LAND COVER

BUILDING

- Present
- Removed

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
GAP = Generator accumulation point
NADEP = Naval Aviation Depot Alameda

30 0 30 60 Feet

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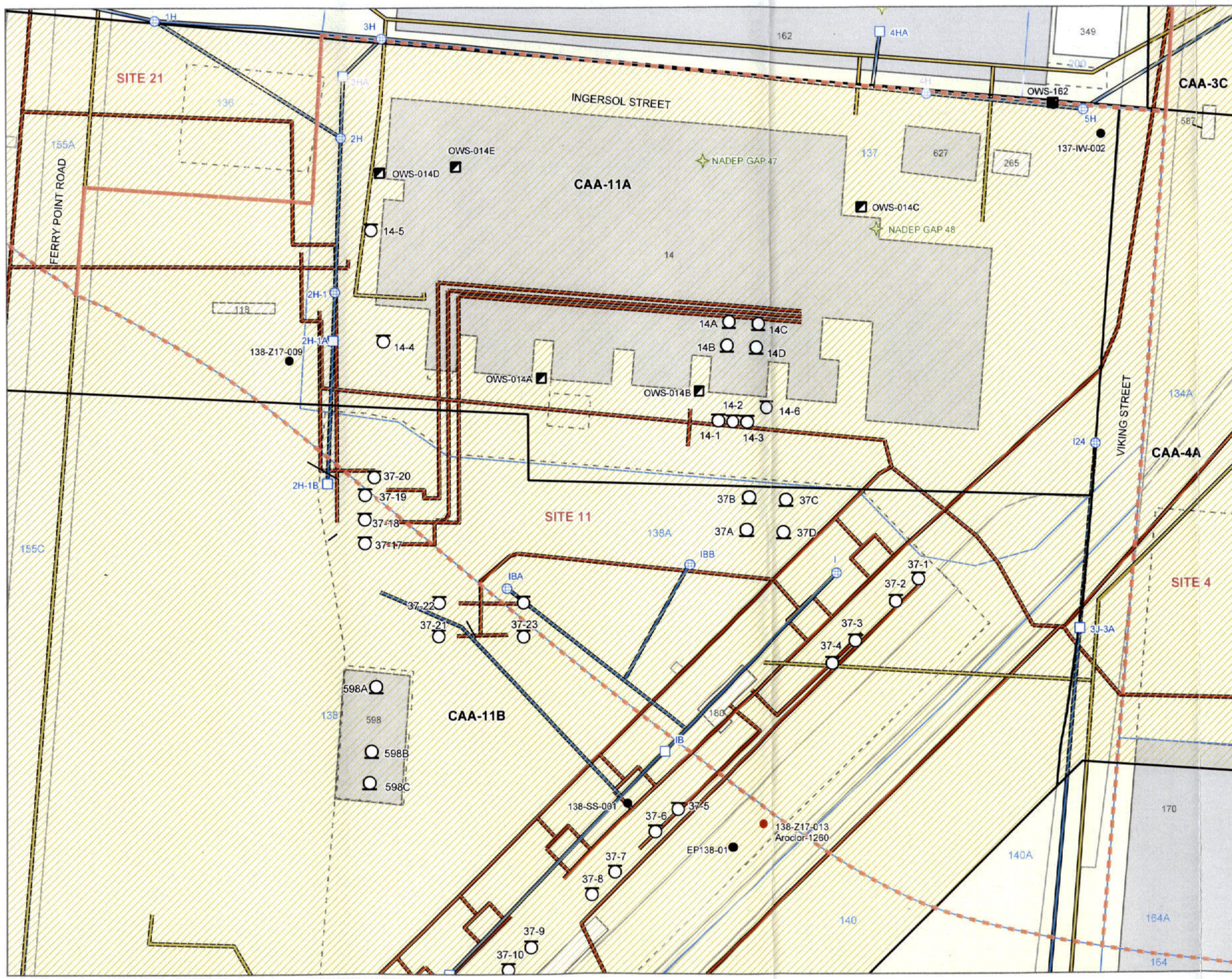
FIGURE 7-13
METALS IN SITE 11 SOIL EXCEEDING PRGs

Operable Unit 2B
Remedial Investigation Report

04/21/2005 U:\almda_sa\dc030\OU2B_RI\mxd\fig07-13_s11_metal_soil_above_prg.mxd TIEMI-SA T. Munley



SAMPLING LOCATION

- Location exceeding PRGs for PCBs in soil
- Location not exceeding PRGs for PCBs in soil

ABOVEGROUND STORAGE TANK (AST)

- Present
- Removed

UNDERGROUND STORAGE TANK (UST)

- Present
- Removed
- GENERATOR ACCUMULATION POINT (GAP)
- CATCH BASIN
- MANHOLE
- OIL-WATER SEPARATOR (OWS)
- FENCE
- FUEL LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CORRECTIVE ACTION AREA (CAA)
- CERCLA SITE BOUNDARY
- # ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL BOUNDARY AND NUMBER
- LAND COVER

BUILDING

- Present
- Removed

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
GAP = Generator accumulation point
NADEP = Naval Aviation Depot Alameda

N

30 0 30 60 Feet

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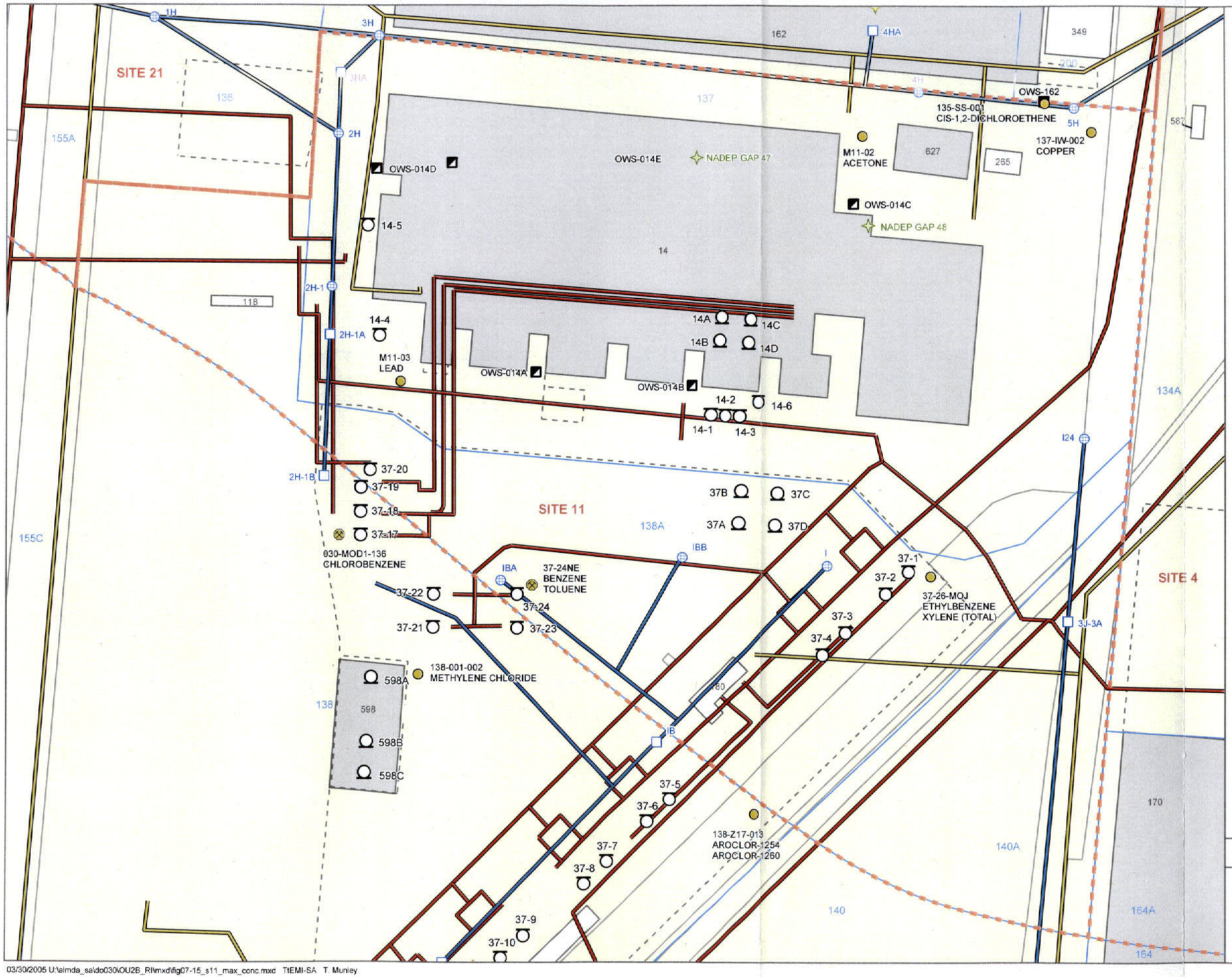
FIGURE 7-14
PCBs IN SITE 11 SOIL EXCEEDING PRGs

Operable Unit 2B
Remedial Investigation Report

04/21/2005 U:\almda_sa\dc030\OU2B_RI\mxd\fig07-14_s11_pcb_soil_above_prg.mxd TtEMI-SA T. Munley



SAMPLING LOCATION

- Excavation
- Soil Boring

ABOVEGROUND STORAGE TANK (AST)

- Present
- Removed

UNDERGROUND STORAGE TANK (UST)

- Present
- Removed
- GENERATOR ACCUMULATION POINT (GAP)
- CATCH BASIN
- MANHOLE
- OIL-WATER SEPARATOR (OWS)
- FENCE
- FUEL LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CERCLA SITE BOUNDARY
- ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL BOUNDARY AND NUMBER
- LAND COVER

BUILDING

- Present
- Removed

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
GAP = Generator accumulation point
NADEP = Naval Aviation Depot Alameda

30 0 30 60 Feet

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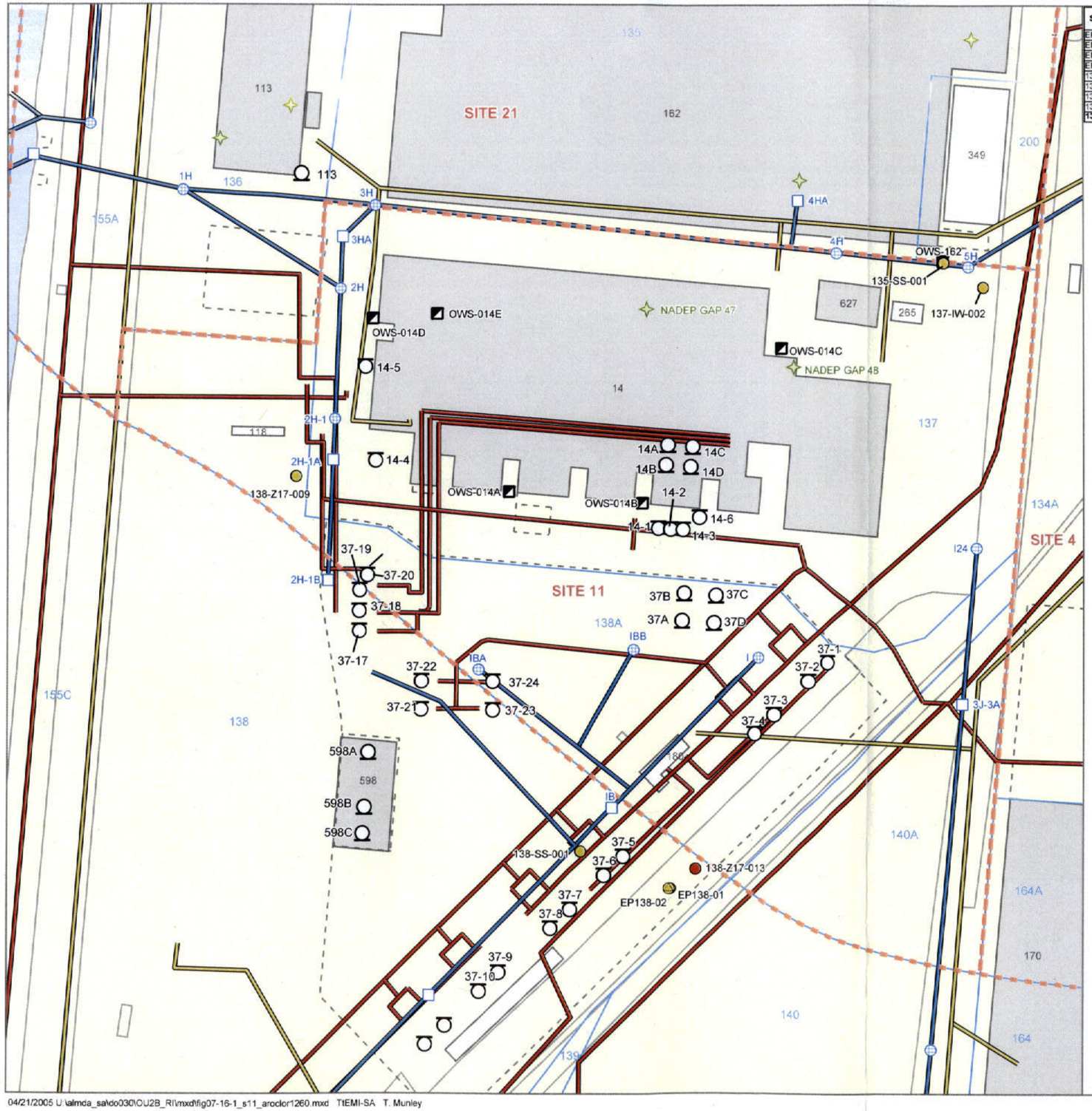
FIGURE 7-15
MAXIMUM CONCENTRATIONS IN SOIL OF CHEMICALS USED AT SITE 11

Operable Unit 2B
Remedial Investigation Report

03/30/2005 U:\almda_sa\do030\OU2B_RI\mxd\fig07-15_s11_max_conc.mxd TtEMI-SA T. Munley



Sample Location	Sample Date	Sample Depth (feet)	Concentration (µg/kg)[1]	Qualifier
EP138-01	5/1/2000	2.0-2.5	24	J
EP138-01	5/1/2000	2.5-3.0	16	UJ
EP138-01	5/1/2000	3.0-3.5	120	J
EP138-02	5/1/2000	2.5-3.0	18	UJ
135-SS-001	2/14/1995	8.0-9.0	45	U
137-IW-002	12/14/1994	8.0-9.0	46	U
138-SS-001	6/21/1995	3.2-4.0	37	U
138-Z17-009	6/16/1995	1.5-2.0	22	U
138-Z17-013	6/15/1995	1.5-2.0	**230**	

SAMPLING LOCATION
Red = Exceeds Screening Level[2]

- Geo-Probe
- Soil Boring

ABOVEGROUND STORAGE TANK (AST)
- Present
- Removed

UNDERGROUND STORAGE TANK (UST)
- Present
- Removed
- GENERATOR ACCUMULATION POINT (GAP)
- CATCH BASIN
- MANHOLE
- OIL-WATER SEPARATOR (OWS)
- FENCE
- FUEL LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CERCLA SITE BOUNDARY
- ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL BOUNDARY AND NUMBER
- LAND COVER

BUILDING
- Present
- Removed

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
E = Compound concentration exceeds the (GC/MS) calibration range.
GAP = Generator accumulation point
J = Estimated
mg/kg = Milligrams per kilogram
NADEP = Naval Aviation Depot Alameda
U = Not detected

[1]Bold denotes "exceeds screening level."
[2]Risk Based screening level is 220 µg/kg.

30 0 30 60 Feet

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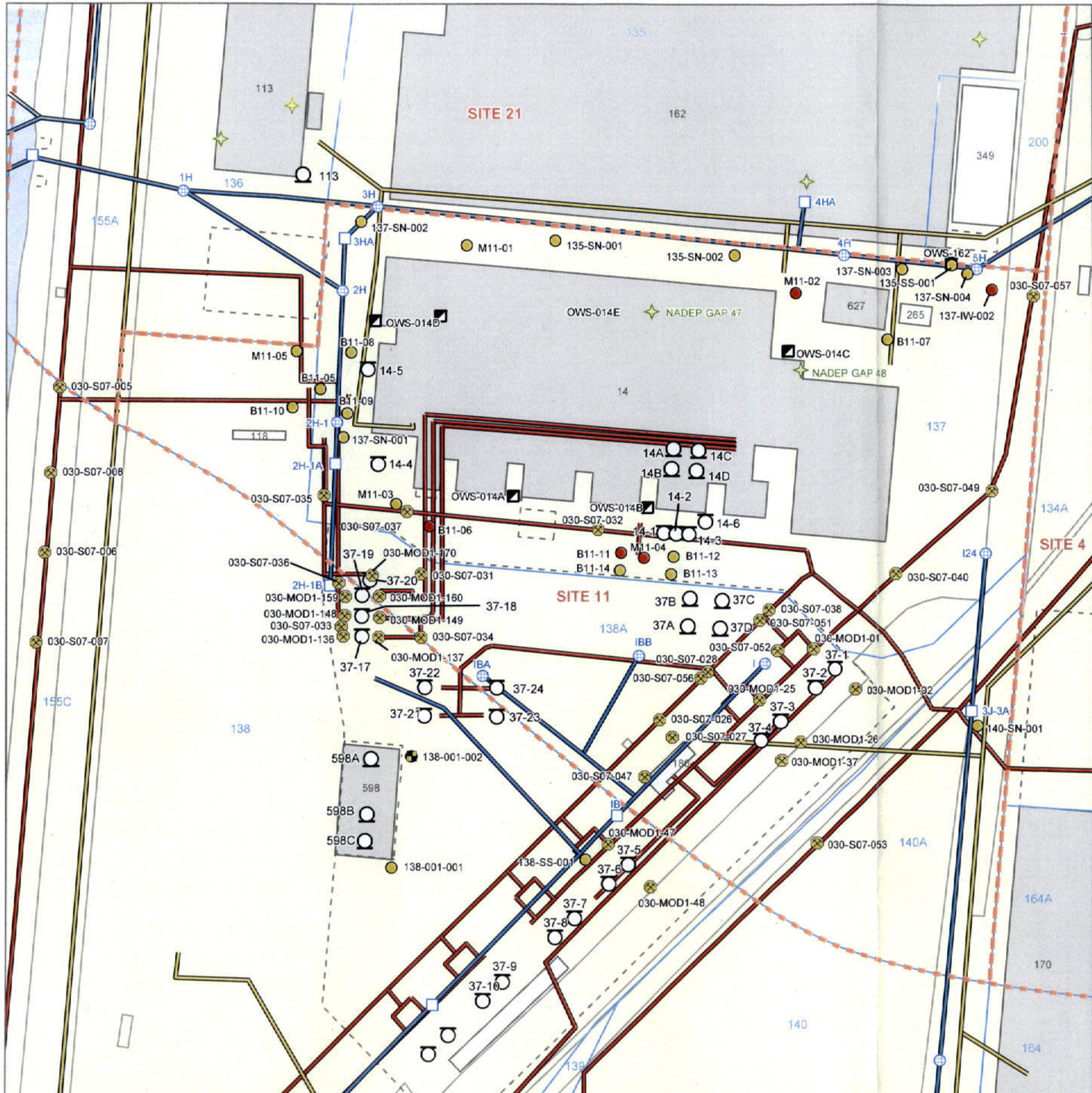
FIGURE 7-16
SITE 11 CONCENTRATIONS OF AROCLOR-1260 IN SOIL

Operable Unit 2B
Remedial Investigation Report

04/21/2005 U:\almda_sa\do030\OU2B_RI\mxd\fig07-16-1_s11_aroclor1260.mxd TtEMI-SA T. Munley



Sample Location	Sample Depth (feet)	Concentration[1] (mg/kg)	Qualifier
030-MOD1-01	0 - 9	7.7	J
030-MOD1-02	0 - 9	10.6	
030-MOD1-136	0 - 6.5	7.4	
030-MOD1-137	0 - 6	12.8	
030-MOD1-148	0 - 6.5	6.7	
030-MOD1-149	0 - 6	10.2	
030-MOD1-159	0 - 6.5	6.7	
030-MOD1-160	0 - 6	16.6	
030-MOD1-170	0 - 5	6.5	
030-MOD1-25	0 - 9	11.6	J
030-MOD1-26	0 - 9	14.1	
030-MOD1-37	0 - 9	9.3	
030-MOD1-47	0 - 10	6	J
030-MOD1-48	0 - 10	5.5	J
030-S07-005	0 - 4.5	20	J
030-S07-006	0 - 4.5	5.7	J
030-S07-007	0 - 4.5	8.3	J
030-S07-008	0 - 4.5	5.1	J
030-S07-026	0 - 4.5	7.2	UJ
030-S07-027	0 - 4.5	10.3	
030-S07-028	0 - 4.5	5.1	UJ
030-S07-031	0 - 5	6	
030-S07-032	0 - 5.5	5.5	
030-S07-033	0 - 6	17.3	
030-S07-034	0 - 5.5	27	
030-S07-035	0 - 5.5	6.2	
030-S07-036	0 - 5	17.6	
030-S07-037	0 - 5.5	5.9	
030-S07-038	0 - 5	15.3	
030-S07-040	0 - 5	5.9	
030-S07-047	0 - 3.5	5.2	UJ
030-S07-049	0 - 4.5	13	
030-S07-051	0 - 6	8.6	
030-S07-052	0 - 3	6.7	
030-S07-053	0 - 4	5.5	
030-S07-056	0 - 5	8.4	
030-S07-057	0 - 6.5	13	
135-SN-001	6 - 7	25	U
135-SN-002	6.5 - 7	19.5	
135-SS-001	8 - 9	39	
137-IW-002	8 - 9	**101**	EJ
137-IW-002	8 - 9	25	U
137-SN-001	6 - 7	25	U
137-SN-002	3.5 - 4.5	25	U
137-SN-003	6 - 7	25	U
137-SN-004	7.5 - 8	25	U
138-001-001	1 - 2	6.4	
138-001-001	1 - 2	8	
138-001-001	4 - 5	23.8	
138-001-001	4 - 5	5.3	
138-001-002	0.5 - 1	5.9	
138-001-002	4 - 4.5	4.5	
138-SS-001	3.2 - 4	11	
140-SN-001	6 - 7	27	
B11-05	0.5 - 1	28	
B11-05	3.5 - 5	4.86	
B11-05	5 - 6	5.25	
B11-05	14 - 15	10.7	
B11-06	0.5 - 1	**83.2**	
B11-06	3.5 - 4.8	5.13	
B11-06	8 - 9.5	12.4	
B11-06	14 - 15.3	12.5	
B11-07	0 - 0.5	13.8	
B11-07	1 - 1.8	14.1	
B11-07	7.5 - 9	9.23	
B11-07	13.5 - 14.5	9.65	
B11-08	0.5 - 1.5	10.4	
B11-08	2.5 - 3.5	6.6	
B11-08	5 - 6	9	
B11-09	0.5 - 1.5	10.1	
B11-09	2.5 - 3.5	15.1	
B11-09	5 - 5.5	5.3	J
B11-10	0 - 1	13.7	
B11-10	2.5 - 3.5	15.4	
B11-10	4 - 5	13.4	
B11-11	0.5 - 1.5	**60.3**	J
B11-11	2.5 - 3.5	11.8	J

SAMPLING LOCATION
Red = Exceeds Screening Level[2]

- Excavation
- Soil Boring
- Surface Location

ABOVEGROUND STORAGE TANK (AST)
- Present
- Removed

UNDERGROUND STORAGE TANK (UST)
- Present
- Removed

- GENERATOR ACCUMULATION POINT (GAP)
- CATCH BASIN
- MANHOLE
- OIL-WATER SEPARATOR (OWS)
- FENCE
- FUEL LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CERCLA SITE BOUNDARY
- ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL BOUNDARY AND NUMBER
- LAND COVER

BUILDING
- Present
- Removed

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
E = Compound concentration exceeds the (GC/MS) calibration range.
GAP = Generator accumulation point
J = Estimated
mg/kg = Milligrams per kilogram
NADEP = Naval Aviation Depot Alameda
U = Not detected

[1]Bold denotes "exceeds screening level."
[2]Screening level based on maximum ambient concentration of 49.1 mg/kg.

30 0 30 60 Feet

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Alameda Point
Department of the Navy,BRAC PMO West, San Diego, California

FIGURE 7-17 (1 OF 2)
SITE 11
CONCENTRATIONS OF COPPER IN SOIL

Operable Unit 2B
Remedial Investigation Report

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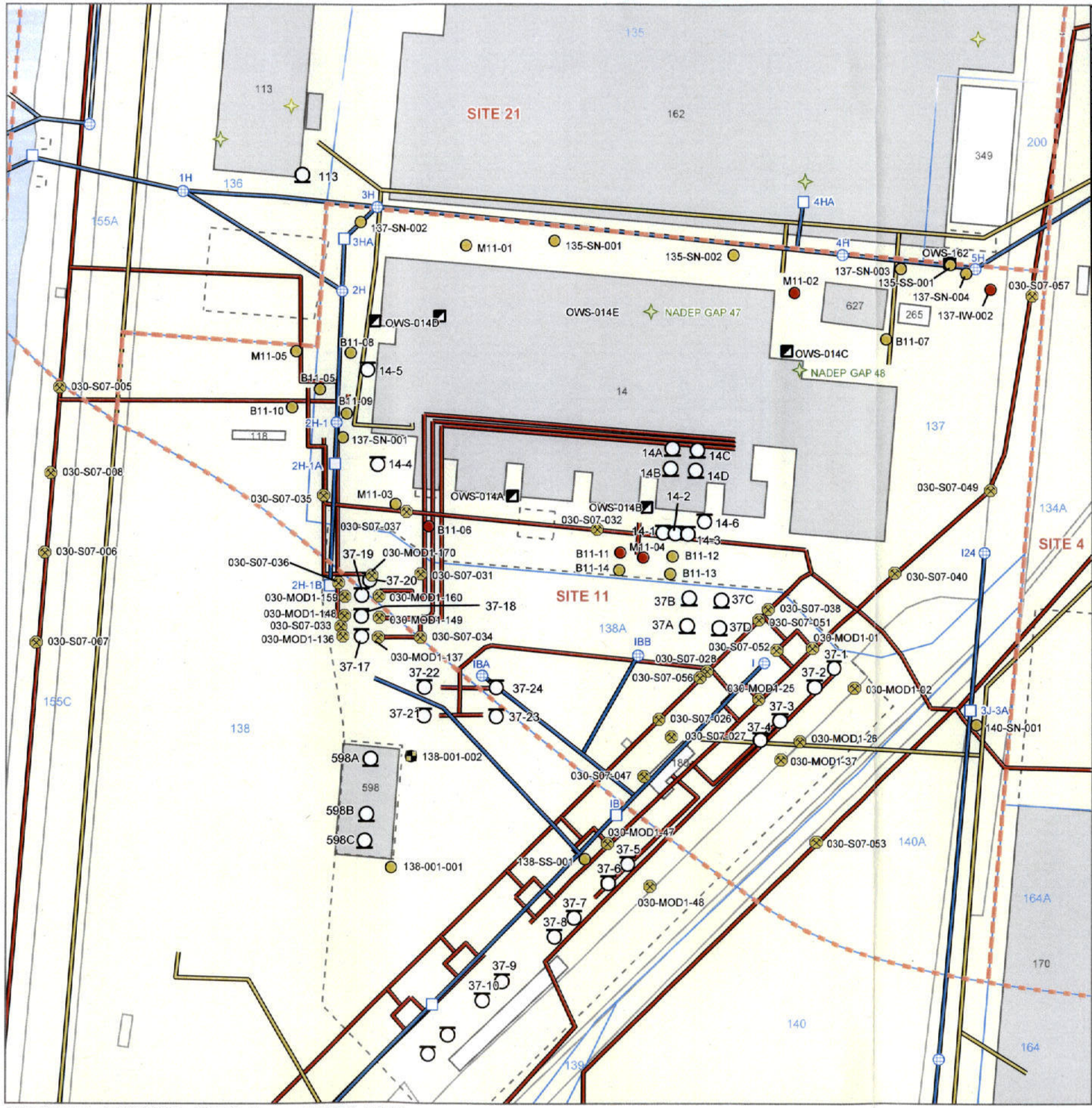

Sample Location	Sample Depth (feet)	Concentration[1] (mg/kg)	Qualifier
B11-11	5 - 6	5.3	J
B11-12	0.5 - 1.5	48.9	J
B11-12	2.5 - 3.5	4.4	UJ
B11-12	5 - 6	4.4	UJ
B11-13	0.5 - 1.5	3	UJ
B11-13	2.5 - 3.5	5	J
B11-13	5 - 6	13.9	J
B11-14	0.5 - 1.5	14	J
B11-14	2.5 - 3.5	4.9	J
B11-14	5 - 6	4.9	J
M11-01	1 - 1.5	37.1	
M11-01	2 - 3.3	4.77	
M11-01	5 - 6.5	5.92	
M11-01	14 - 14.8	10.4	
M11-02	1 - 1.5	13.8	
M11-02	5 - 6.3	15	
M11-02	9.5 - 11	**62.5**	
M11-02	14 - 15	10.6	
M11-03	0.3 - 0.8	31.8	
M11-03	3.5 - 5	4.78	
M11-03	8 - 9.3	6.42	
M11-03	14 - 15	12.1	
M11-04	0.3 - 0.8	**53.9**	
M11-04	3.5 - 5	9.09	
M11-04	9.5 - 11	16.6	
M11-04	14 - 15	13.7	
M11-05	0.5 - 1.5	10.1	
M11-05	2.5 - 3.5	7.1	
M11-05	5 - 6	6.1	

SAMPLING LOCATION
Red = Exceeds Screening Level[2]

- Excavation
- Soil Boring
- Surface Location

ABOVEGROUND STORAGE TANK (AST)
- Present
- Removed

UNDERGROUND STORAGE TANK (UST)
- Present
- Removed
- GENERATOR ACCUMULATION POINT (GAP)
- CATCH BASIN
- MANHOLE
- OIL-WATER SEPARATOR (OWS)
- FENCE
- FUEL LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CERCLA SITE BOUNDARY
- ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL BOUNDARY AND NUMBER
- LAND COVER

BUILDING
- Present
- Removed

Notes:
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
E = Compound concentration exceeds the (GC/MS) calibration range.
GAP = Generator accumulation point
J = Estimated
mg/kg = Milligrams per kilogram
NADEP = Naval Aviation Depot Alameda
U = Not detected

[1]Bold denotes "exceeds screening level."
[2]Screening level based on maximum ambient concentration of 49.1 mg/kg.

30 0 30 60 Feet

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Alameda Point
Department of the Navy,BRAC PMO West, San Diego, California

FIGURE 7-17 (2 OF 2)
SITE 11
CONCENTRATIONS OF COPPER IN SOIL

Operable Unit 2B
Remedial Investigation Report

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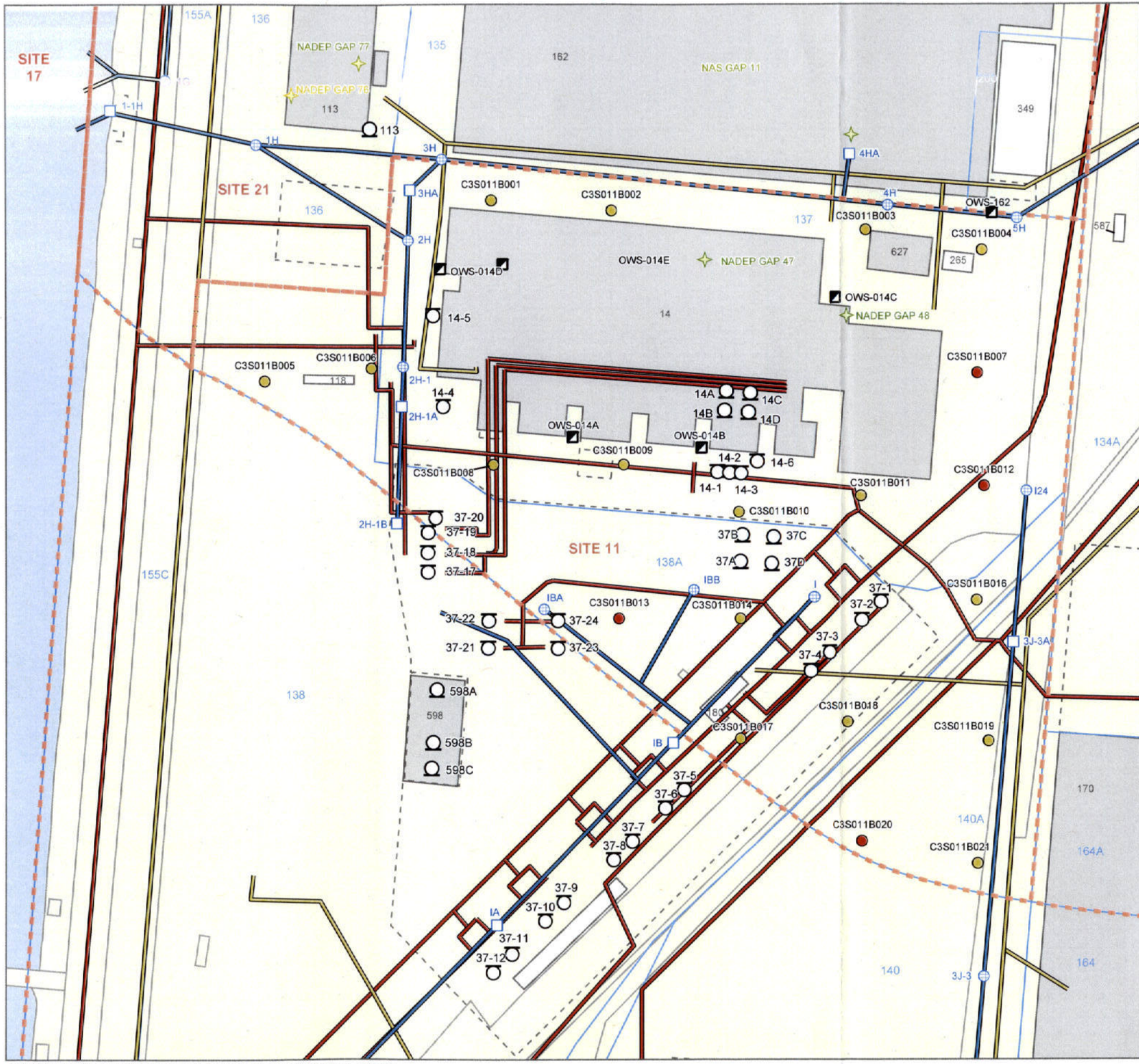

Point Name	Sample Depth (feet)	B(a)P EQ[1] mg/kg
C3S011B001	0 - 0.5	0.004
	0.5 - 2	0.004
	2 - 4	nd
	4 - 8	nd
C3S011B002	0 - 0.5	0.004
	0.5 - 2	0.027
	2 - 4	nd
	4 - 8	nd
C3S011B003	0 - 0.5	0.003
	0.5 - 2	0.026
	2 - 4	0.019
	4 - 8	0.026
C3S011B004	0 - 0.5	0.028
	0.5 - 2	0.017
	2 - 4	nd
	4 - 8	0.003
C3S011B005	0 - 0.5	0.052
	0.5 - 2	0.346
	2 - 4	0.005
	4 - 8	0.027
C3S011B006	0 - 0.5	0.587
	0.5 - 2	0.004
	2 - 4	0.061
	4 - 8	0.002
C3S011B007	0 - 0.5	**1.714**
	0.5 - 2	0.014
	2 - 4	0.011
	4 - 8	0.005
C3S011B008	0 - 0.5	0.004
	0.5 - 2	0.547
	2 - 4	0.001
	4 - 8	0.004
C3S011B009	0 - 0.5	0.007
	0.5 - 2	0.013
	2 - 4	nd
	4 - 8	nd
C3S011B010	0 - 0.5	0.022
	0.5 - 2	0.003
	2 - 4	0.000
	4 - 8	0.002
C3S011B011	0 - 0.5	0.035
	0.5 - 2	0.071
	2 - 4	nd
	4 - 8	0.006
C3S011B012	0 - 0.5	**7.692**
	0.5 - 2	0.013
	2 - 4	nd
	4 - 8	0.008
C3S011B013	0 - 0.5	0.036
	0.5 - 2	0.004
	2 - 4	0.401
	4 - 8	**13.926**
C3S011B014	0 - 0.5	0.051
	0.5 - 2	0.041
	2 - 4	0.000
	4 - 8	0.134
C3S011B016	0 - 0.5	0.134
	0.5 - 2	0.077
	2 - 4	0.002
	4 - 8	0.011
C3S011B017	0 - 0.5	0.107
	0.5 - 2	0.000
	2 - 4	nd
	4 - 8	0.003
C3S011B018	0 - 0.5	0.027
	0.5 - 2	0.005
	2 - 4	0.000
	4 - 8	0.000
C3S011B019	0 - 0.5	0.135
	0.5 - 2	0.036
	2 - 4	0.488
	4 - 8	0.018
C3S011B020	0 - 0.5	0.061
	0.5 - 2	**0.958**
	2 - 4	0.053
	4 - 8	0.006
C3S011B021	0 - 0.5	0.003
	0.5 - 2	0.016
	2 - 4	0.029
	4 - 8	0.023

SAMPLING LOCATION
Red = Exceeds Screening Level[2]

- Soil Boring

ABOVEGROUND STORAGE TANK (AST)

- Present
- Removed

UNDERGROUND STORAGE TANK (UST)

- Present
- Removed
- GENERATOR ACCUMULATION POINT (GAP)
- CATCH BASIN
- MANHOLE
- OIL-WATER SEPARATOR (OWS)
- FENCE
- FUEL LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- CERCLA SITE BOUNDARY
- ENVIRONMENTAL BASELINE SURVEY (EBS) PARCEL BOUNDARY AND NUMBER
- LAND COVER

BUILDING

- Present
- Removed
- WATER

Notes:
B(a)P EQ = Benzo(a)Pyrene Equivalent
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act of 1980
GAP = Generator accumulation point
ND = Not determined, all PAHs were nondetect
NADEP = Naval Aviation Depot Alameda
PAH = Polynuclear aromatic hydrocarbon
PRG = Preliminary Remediation Goal

[1]Bold denotes "exceeds screening level."
[2]Exceeds action level of 0.62 mg/kg.

40 0 40 80 Feet

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Alameda Point
Department of the Navy,BRAC PMO West, San Diego, California

FIGURE 7-18
SITE 11 CONCENTRATIONS OF PAHs (EXPRESSED AS BENZO(a)PYRENE EQUIVALENTS)

Operable Unit 2B
Remedial Investigation Report

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N00236.002042
ALAMEDA POINT
SSIC NO. 5090.3

TABLES

FINAL OPERABLE UNIT 2B
REMEDIAL INVESTIGATION REPORT
SITES 3, 4, 11, AND 21

DATED 05 AUGUST 2005

TABLE 7-1 : SITE 11 SOIL AND SOIL GAS SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed														
				SVOCs	VOCs	PAHs	Pesticides	o-Pest	PCBs	Total Metals	General Chemistry	TPH	Hexavalent Chromium	Cyanide	Herbicides	O&G	Organic Metals	Organic Lead
CERCLA INVESTIGATIONS																		
Phases 2B & 3, 1991																		
B11-05	B11-05-000	6/26/1991	0.5 - 1	X	--	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-05-004	6/26/1991	3.5 - 5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-05-005	6/26/1991	5 - 6	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-05-014	6/26/1991	14 - 15	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
B11-06	B11-06-000	6/25/1991	0.5 - 1	X	--	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-06-004	6/25/1991	3.5 - 4.8	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-06-008	6/25/1991	8 - 9.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-06-014	6/25/1991	14 - 15	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
B11-07	B11-07-000	6/24/1991	0 - 0.5	X	--	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-07-001	6/24/1991	1 - 1.8	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-07-008	6/24/1991	7.5 - 9	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-07-014	6/24/1991	14 - 15	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
M11-01	B11-01-000	6/26/1991	1 - 1.5	X	--	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-01-002	6/26/1991	2 - 3.3	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-01-005	6/26/1991	5 - 6.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-01-014	6/26/1991	14 - 15	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
M11-02	B11-02-000	6/26/1991	1 - 1.5	X	--	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-02-005	6/26/1991	5 - 6.3	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-02-010	6/26/1991	9.5 - 11	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-02-014	6/26/1991	14 - 15	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
M11-03	B11-03-000	6/25/1991	0.3 - 0.8	X	--	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-03-004	6/25/1991	3.5 - 5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-03-008	6/25/1991	8 - 9.3	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-03-014	6/25/1991	14 - 15	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
M11-04	B11-04-000	6/25/1991	0.3 - 0.8	X	--	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-04-004	6/25/1991	3.5 - 5	--	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-04-010	6/25/1991	9.5 - 11	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	B11-04-014	6/25/1991	14 - 15	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
Follow-on Investigation, 1994																		
B11-08	280-S7B11-001	8/16/1994	0.5 - 1.5	--	--	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-002	8/16/1994	2.5 - 3.5	--	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-003	8/16/1994	5 - 6	--	X	--	--	--	--	X	X	X	--	--	--	--	--	--
B11-09	280-S7B11-004	8/16/1994	0.5 - 1.5	--	--	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-005	8/16/1994	2.5 - 3.5	--	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-006	8/16/1994	5 - 5.5	--	X	--	--	--	--	X	X	X	--	--	--	--	--	--
B11-10	280-S7B11-008	8/12/1994	0 - 1	--	--	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-009	8/12/1994	2.5 - 3.5	--	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-010	8/12/1994	4 - 5	--	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-011	8/16/1994	0.5 - 1.5	--	--	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-012	8/16/1994	2.5 - 3.5	--	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-013	8/16/1994	5 - 6	--	X	--	--	--	--	X	X	X	--	--	--	--	--	--
B11-12	280-S7B11-014	8/16/1994	0.5 - 1.5	--	--	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-015	8/16/1994	2.5 - 3.5	--	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-017	8/16/1994	5 - 6	--	X	--	--	--	--	X	X	X	--	--	--	--	--	--
B11-13	280-S7B11-018	8/16/1994	0.5 - 1.5	--	--	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-019	8/16/1994	2.5 - 3.5	--	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-020	8/16/1994	5 - 6	--	X	--	--	--	--	X	X	X	--	--	--	--	--	--

TABLE 7-1 : SITE 11 SOIL AND SOIL GAS SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed														
				SVOCs	VOCs	PAHs	Pesticides	o-Pest	PCBs	Total Metals	General Chemistry	TPH	Hexavalent Chromium	Cyanide	Herbicides	O&G	Organic Metals	Organic Lead
B11-14	280-S7B11-021	8/16/1994	0.5 - 1.5	--	--	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-022	8/16/1994	2.5 - 3.5	--	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-023	8/16/1994	5 - 6	--	X	--	--	--	--	X	X	X	--	--	--	--	--	--
M11-05	280-S7B11-031	8/16/1994	0.5 - 1.5	X	--	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-032	8/16/1994	2.5 - 3.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	280-S7B11-033	8/16/1994	5 - 6	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
Data Gap Sampling, 2001																		
S11-DGS-DP01	385-S11-004	8/1/2001	4.5 - 5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
PAH Study, 2003																		
C3S011B001	C0591979	8/28/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0591980	8/28/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0591981	8/28/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0591982	8/28/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3S011B002	C0591983	8/28/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0591984	8/28/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0591985	8/28/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0591986	8/28/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3S011B003	C0591987	8/28/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0591989	8/28/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0591990	8/28/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0591991	8/28/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3S011B004	C0591992	8/28/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0591993	8/28/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0591994	8/28/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0591995	8/28/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3S011B005	C0591996	8/28/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0591997	8/28/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0591999	8/28/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592000	8/28/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3S011B006	C0592001	8/28/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592002	8/28/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592003	8/28/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592004	8/28/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3S011B007	C0592005	8/28/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592006	8/28/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592007	8/28/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592009	8/28/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3S011B008	C0592010	8/28/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592011	8/28/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592012	8/28/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592013	8/28/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3S011B009	C0592014	8/28/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592015	8/28/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592016	8/28/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592017	8/28/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3S011B010	C0592019	8/28/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592020	8/28/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592021	8/28/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592022	8/28/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3S011B011	C0592023	8/28/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592024	8/28/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592025	8/28/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592026	8/28/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--

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Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed														
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C3SO11B012	C0592027	8/28/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592029	8/28/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592030	8/28/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592031	8/28/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3SO11B013	C0592032	8/28/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592033	8/28/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592034	8/28/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592035	8/28/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3SO11B014	C0592036	8/27/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592037	8/27/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592039	8/27/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592040	8/27/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3SO11B016	C0592045	8/27/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592046	8/27/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592047	8/27/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592049	8/27/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3SO11B017	C0592050	8/27/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592051	8/27/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592052	8/27/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592053	8/27/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3SO11B018	C0592054	8/27/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592055	8/27/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592056	8/27/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592057	8/27/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3SO11B019	C0592059	8/27/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592060	8/27/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592061	8/27/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592062	8/27/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3SO11B020	C0592063	8/27/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592064	8/27/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592065	8/27/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592066	8/27/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
C3SO11B021	C0592067	8/27/2003	0 - 0.5	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592069	8/27/2003	0.5 - 2	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592070	8/27/2003	2 - 4	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
	C0592071	8/27/2003	4 - 8	--	--	X	--	--	--	--	--	--	--	--	--	--	--	--
Environmental Baseline Survey Investigations																		
Environmental Baseline Survey, Phase 2A																		
135-SN-001	135S-001	12/21/1994	6 - 7	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
135-SN-002	135S-002	6/5/1995	6.5 - 7	X	--	--	--	--	--	--	X	--	--	--	--	--	--	--
	135S-002M	6/5/1995	6.5 - 7	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
137-001-001	137-0001M	6/26/1995	2 - 2.5	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--
	137-0006M	6/26/1995	4.5 - 5	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--
137-001-002	137-0002M	6/26/1995	0.5 - 1	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--
137-001-003	137-0003	6/26/1995	0.5 - 1	--	--	--	--	--	--	--	X	X	--	--	--	--	--	--
	137-0003M	6/26/1995	0.5 - 1	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--
	137-0007	6/26/1995	4 - 4.5	--	X	--	--	--	--	--	X	X	--	--	--	--	--	--
	137-0007M	6/26/1995	4 - 4.5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
137-001-004	137-0004M	6/26/1995	3.5 - 4	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--
	137-0008M	6/26/1995	6.5 - 7	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--

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Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed														
				SVOCs	VOCs	PAHs	Pesticides	o-Pest	PCBs	Total Metals	General Chemistry	TPH	Hexavalent Chromium	Cyanide	Herbicides	O&G	Organic Metals	Organic Lead
137-001-005	137-0005M	6/26/1995	3.5 - 4	--	--	--	--	--	--	--	--	X	--	--	--	--	--	--
137-IW-002	137I-002	12/14/1994	8 - 9	X	X	--	X	X	--	X	X	X	--	--	X	X	X	X
	137I-002M	12/14/1994	8 - 9	--	X	--	--	--	--	X	--	--	--	--	--	--	--	--
137-SN-001	137S-001	2/15/1995	6 - 7	X	--	--	--	--	--	--	X	--	--	--	--	--	--	--
	137S-001M	2/15/1995	6 - 7	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
137-SN-002	137S-002	1/23/1995	3.5 - 4.5	X	--	--	--	--	--	--	X	--	--	--	--	--	--	--
	137S-002M	1/23/1995	3.5 - 4.5	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
137-SN-003	137S-003	2/15/1995	6 - 7	X	--	--	--	--	--	--	X	--	--	--	--	--	--	--
	137S-003M	2/15/1995	6 - 7	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
137-SN-004	137S-004	12/21/1994	7.5 - 8	X	--	--	--	--	--	--	X	--	--	--	--	--	--	--
	137S-004M	12/21/1994	7.5 - 8	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
138-001-001	138-0001	6/16/1995	1 - 2	--	--	--	--	--	--	X	X	X	--	--	--	--	--	--
	138-0001M	6/16/1995	1 - 2	--	--	--	--	--	--	X	--	X	--	--	--	--	--	--
	138-0015	6/16/1995	4 - 5	--	X	--	--	--	--	X	X	X	--	--	--	--	--	--
	138-0015M	6/16/1995	4 - 5	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
138-001-002	138-0002M	6/16/1995	0.5 - 1	--	--	--	--	--	--	X	--	X	--	--	--	--	--	--
	138-0016M	6/16/1995	4 - 4.5	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
138-Z17-009	138-0009M	6/16/1995	1.5 - 2	X	--	--	--	--	X	X	--	X	--	--	--	--	--	--
138-Z17-013	138-0013M	6/15/1995	1.5 - 2	X	--	--	--	--	X	X	--	X	--	--	--	--	--	--
140-SN-001	140S-001M	1/24/1995	6 - 7	--	--	--	--	--	--	X	--	X	--	--	--	--	--	--
Environmental Baseline Survey, Storm Sewer Investigation																		
135-SS-001	135M-001	2/14/1995	8 - 9	X	--	--	X	--	--	--	X	--	--	--	--	X	X	X
	135M-001M	2/14/1995	8 - 9	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
138-SS-001	138M-001	6/21/1995	3.2 - 4	X	--	--	X	--	--	--	X	--	--	--	--	X	X	--
	138M-001M	6/21/1995	3.2 - 4	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
TPH Investigations																		
Fuel Line and Underground Storage Tank Investigations																		
030-FLI-040	030-FLI-040	9/18/1998	4.5	--	X	--	--	--	--	--	X	X	--	--	--	--	--	--
030-FLI-048	030-FLI-048	9/19/1998	4	--	X	--	--	--	--	--	X	X	--	--	--	--	--	--
030-FLI-061	030-FLI-061	9/22/1998	4.5	--	X	--	--	--	--	--	X	X	--	--	--	--	--	--
030-FLI-073	030-FLI-073	9/29/1998	5	--	X	--	--	--	--	--	X	X	--	--	--	--	--	--
030-MOD1-01	030-MOD1-01	11/20/1998	9	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-MOD1-02	030-MOD1-02	11/20/1998	9	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-MOD1-136	030-MOD1-136	11/24/1998	6.5	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-MOD1-137	030-MOD1-137	11/24/1998	6	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-MOD1-14	030-MOD1-14	11/16/1998	11	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
030-MOD1-148	030-MOD1-148	11/24/1998	6.5	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-MOD1-149	030-MOD1-149	11/24/1998	6	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-MOD1-15	030-MOD1-15	11/16/1998	11	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
030-MOD1-159	030-MOD1-159	11/24/1998	6.5	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-MOD1-160	030-MOD1-160	11/24/1998	6	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-MOD1-170	030-MOD1-170	11/24/1998	5	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-MOD1-25	030-MOD1-25	11/20/1998	9	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-MOD1-26	030-MOD1-26	11/20/1998	9	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-MOD1-37	030-MOD1-37	11/20/1998	9	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-MOD1-47	030-MOD1-47	11/16/1998	10	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-MOD1-48	030-MOD1-48	11/16/1998	10	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-MOD1-58	030-MOD1-58	11/20/1998	8.5	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-MOD1-59	030-MOD1-59	11/20/1998	9	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--

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030-MOD1-69	030-MOD1-69	11/16/1998	11	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-MOD1-80	030-MOD1-80	11/16/1998	11	--	X	--	--	--	--	X	--	X	--	--	--	--	--	--
030-S07-005	030-S07-005	9/17/1998	4.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-006	030-S07-006	9/17/1998	4.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-007	030-S07-007	9/18/1998	4.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-008	030-S07-008	9/19/1998	4.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-026	030-S07-026	9/29/1998	4.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-027	030-S07-027	9/29/1998	4.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-028	030-S07-028	9/29/1998	4.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-031	030-S07-031	10/1/1998	5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-032	030-S07-032	10/1/1998	5.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-033	030-S07-033	10/1/1998	6	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-034	030-S07-034	10/1/1998	5.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-035	030-S07-035	10/3/1998	5.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-036	030-S07-036	10/5/1998	5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-037	030-S07-037	10/6/1998	5.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-038	030-S07-038	10/7/1998	5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-040	030-S07-040	10/7/1998	5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-047	030-S07-047	10/9/1998	3.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-049	030-S07-049	10/10/1998	4.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-051	030-S07-051	10/10/1998	6	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-052	030-S07-052	10/10/1998	3	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-053	030-S07-053	10/11/1998	4	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-056	030-S07-056	10/21/1998	5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
030-S07-057	030-S07-057	10/21/1998	6.5	X	X	--	--	--	--	X	X	X	--	--	--	--	--	--
14-4E	14-4E	11/22/1994	4	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
14-4N	14-4N	11/22/1994	4	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
14-4SE	14-4SE	3/8/1995	4	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
14-4SW	14-4SW	3/8/1995	4	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
14-4W	14-4W	11/22/1994	4	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
14-5E	14-5E	12/8/1994	4	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
14-5N	14-5N	12/8/1994	4	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
14-5SE	14-5SE	6/20/1995	4	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
14-5SW	14-5SW	6/20/1995	4	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
14-5W	14-5W	12/8/1994	4	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-10-MOJ	37-P10	8/18/1997	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-19-MOJ	37-P19	8/18/1997	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-1-MOJ	37-P1	8/21/1997	5.5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-20-MOJ	37-P20	8/19/1997	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-21E	37-21E	6/29/1995	7	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-21-MOJ	37-P21	8/19/1997	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-21SE	37-21SE	6/29/1995	7	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-21SW	37-21SW	6/29/1995	7	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-21W	37-21W	6/29/1995	7	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-22E	37-22E	6/29/1995	7	--	X	X	--	--	--	--	--	X	--	--	--	--	--	--
37-22-MOJ	37-P22	8/19/1997	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-22NE	37-22-NE	6/29/1995	7	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-22NW	37-22NW	6/29/1995	7	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-22W	37-22W	6/29/1995	7	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-23E	37-23E	7/13/1995	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--

TABLE 7-1 : SITE 11 SOIL AND SOIL GAS SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed														
				SVOCs	VOCs	PAHs	Pesticides	o-Pest	PCBs	Total Metals	General Chemistry	TPH	Hexavalent Chromium	Cyanide	Herbicides	O&G	Organic Metals	Organic Lead
37-23-MOJ	37-P23	8/27/1997	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-23N	37-23N	7/13/1995	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-23SE	37-23SE	7/13/1995	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-23SW	37-23SW	7/13/1995	6	--	X	X	--	--	--	--	--	X	--	--	--	--	--	--
37-24E	37-24E	7/13/1995	6	--	X	X	--	--	--	--	--	X	--	--	--	--	--	--
37-24-MOJ	37-P24	8/19/1997	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-24N	37-24N	7/13/1995	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-24NE	37-24NE	7/13/1995	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-25-MOJ	37-P25	8/19/1997	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-26-MOJ	37-P26	8/22/1997	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-27-MOJ	37-P27	8/21/1997	6.5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-2-MOJ	37-P2	8/21/1997	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-39-MOJ	37-P39	8/29/1997	5.5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-3-MOJ	37-P3	8/21/1997	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-40-MOJ	37-P40	9/4/1997	5.5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-41-MOJ	37-P41	9/4/1997	5.5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-4-MOJ	37-P4	8/21/1997	5.5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-5-MOJ	37-P5	8/22/1997	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-6-MOJ	37-P6	8/19/1997	5.5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-76-MOJ	37-P76	10/2/1997	5.5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-77-MOJ	37-P77	10/3/1997	5.5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-78-MOJ	37-P78	10/3/1997	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-7-MOJ	37-P7	8/21/1997	6.5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-83-MOJ	37-P83	10/3/1997	5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-84-MOJ	37-P84	10/3/1997	5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-8-MOJ	37-P8	8/18/1997	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-9-MOJ	37-P9	8/18/1997	6	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-MJ-MW3	37-MJ-MW-3	10/29/1997	5.5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-MJ-MW-4	37-MJ-MW-4	10/29/1997	5.5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-MJ-MW-5	37-MJ-MW-5	10/29/1997	5.5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
37-MJ-MW7	37-MJ-MW-7	11/3/1997	5.5	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
TPH Data Gap Investigation, 2000																		
CA11-14	030-CAP-141	4/28/2000	3 - 4	--	--	--	--	--	--	X	X	--	--	--	--	--	--	--
	030-CAP-141	4/28/2000	3 - 4	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
CA11-14	030-CAP-142	4/28/2000	6 - 7	--	--	--	--	--	--	X	X	--	--	--	--	--	--	--
	030-CAP-142	4/28/2000	6 - 7	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
CA11-15	030-CAP-143	4/28/2000	3 - 4	--	--	--	--	--	--	X	X	--	--	--	--	--	--	--
	030-CAP-143	4/28/2000	3 - 4	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
	030-CAP-144	4/28/2000	7 - 8	--	--	--	--	--	--	X	X	--	--	--	--	--	--	--
	030-CAP-144	4/28/2000	7 - 8	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
CA11-16	030-CAP-145	5/2/2000	2 - 3	--	--	--	--	--	--	X	X	--	--	--	--	--	--	--
	030-CAP-145	5/2/2000	2 - 3	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
	030-CAP-146	5/2/2000	6 - 7	--	--	--	--	--	--	X	X	--	--	--	--	--	--	--
	030-CAP-146	5/2/2000	6 - 7	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
	030-CAP-368	5/2/2000	3 - 4	--	--	--	--	--	--	X	X	--	--	--	--	--	--	--
	030-CAP-368	5/2/2000	3 - 4	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--

TABLE 7-1 : SITE 11 SOIL AND SOIL GAS SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed														
				SVOCs	VOCs	PAHs	Pesticides	o-Pest	PCBs	Total Metals	General Chemistry	TPH	Hexavalent Chromium	Cyanide	Herbicides	O&G	Organic Metals	Organic Lead
CA11-17	030-CAP-149	5/2/2000	3 - 4	--	--	--	--	--	--	X	X	--	--	--	--	--	--	--
	030-CAP-149	5/2/2000	3 - 4	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
	030-CAP-150	5/2/2000	6 - 7	--	--	--	--	--	--	X	X	--	--	--	--	--	--	--
	030-CAP-150	5/2/2000	6 - 7	--	X	--	--	--	--	--	--	X	--	--	--	--	--	--
EP138-01	030-CAP-156	5/1/2000	2 - 2.5	--	--	--	--	--	X	--	X	--	--	--	--	--	--	--
	030-CAP-157	5/1/2000	2.5 - 3	--	--	--	--	--	X	--	X	--	--	--	--	--	--	--
	030-CAP-370A	5/1/2000	3 - 3.5	--	--	--	--	--	X	--	X	--	--	--	--	--	--	--
EP138-02	030-CAP-370	5/1/2000	2.5 - 3	--	--	--	--	--	X	--	X	--	--	--	--	--	--	--

Notes:

--	Not analyzed
bgs	Below ground surface
ft	Foot
General chemistry	Any combination of the following: percent moisture, pH, reactivity and/or TOC.
o-Pest	Organic pesticide
O & G	Oil and Grease
PAH	Polynuclear aromatic hydrocarbon
PCB	Polychlorinated hydrocarbon
SVOC	Semivolatile organic compound
TPH	Total petroleum hydrocarbon
VOC	Volatile organic compound
CMPL	Complete

TABLE 7-2: SITE 11 GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed								
				SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases
CERCLA INVESTIGATIONS												
Phases 2B & 3 Investigation, 1991												
M11-01	M11-01	8/22/1991	4 - 9.5	X	X	--	--	X	--	X	X	--
M11-02	M11-02	8/22/1991	4 - 9.5	X	X	--	--	X	--	X	X	--
M11-03	M11-03	8/22/1991	4 - 9.5	X	X	--	--	X	--	X	X	--
M11-04	M11-04	8/22/1991	5 - 12	X	X	--	--	X	--	X	X	--
Follow-on Investigation, 1994												
D11-01	280-S7B11-157	3/8/1995	50 - 60	--	X	--	--	X	--	X	X	--
	280-S7B11-158	6/22/1995	50 - 60	--	X	--	--	X	--	X	X	--
	280-S7B11-159	9/19/1995	50 - 60	--	X	--	--	X	--	X	X	--
DHP-S11-01	280-S7B11-086	8/3/1994	24	--	X	--	--	X	--	X	X	--
DHP-S11-02	280-S7B11-087	8/3/1994	24.8	--	X	--	--	X	--	X	X	--
M11-01	280-S7B11-055	10/26/1994	4 - 9.5	X	X	X	--	X	--	X	X	--
	280-S7B11-056	2/14/1995	4 - 9.5	X	X	X	--	X	--	X	X	--
	280-S7B11-057	6/16/1995	4 - 9.5	X	X	X	--	X	--	X	X	--
	280-S7B11-058	8/23/1995	4 - 9.5	X	X	X	--	X	--	X	X	--
M11-02	280-S7B11-059	10/26/1994	4 - 9.5	X	X	X	--	X	--	X	X	--
	280-S7B11-060	2/14/1995	4 - 9.5	X	X	X	--	X	--	X	X	--
	280-S7B11-061	6/19/1995	4 - 9.5	X	X	X	--	X	--	X	X	--
	280-S7B11-063	8/25/1995	4 - 9.5	X	X	X	--	X	--	X	X	--
M11-03	280-S7B11-064	11/1/1994	4 - 9.5	X	X	X	--	X	--	X	X	--
	280-S7B11-065	2/15/1995	4 - 9.5	X	X	X	--	X	--	X	X	--
	280-S7B11-066	6/19/1995	4 - 9.5	X	X	X	--	X	--	X	X	--
	280-S7B11-066T	6/20/1995	4 - 9.5	--	--	--	X	--	--	--	--	--
	280-S7B11-067	8/28/1995	4 - 9.5	X	X	X	--	X	--	X	X	--
M11-04	280-S7B11-068	11/4/1994	5 - 12	X	X	X	--	X	--	X	X	--
	280-S7B11-069	2/15/1995	5 - 12	X	X	X	--	X	--	X	X	--
	280-S7B11-070	6/19/1995	5 - 12	X	X	X	--	X	--	X	X	--
	280-S7B11-071	8/25/1995	5 - 12	X	X	X	--	X	--	X	X	--
M11-05	280-S7B11-072	10/26/1994	4 - 14	X	X	X	--	X	--	X	X	--
	280-S7B11-074	2/15/1995	4 - 14	X	X	X	--	X	--	X	X	--
	280-S7B11-075	6/19/1995	4 - 14	X	X	X	--	X	--	X	X	--
	280-S7B11-076	8/28/1995	4 - 14	X	X	X	--	X	--	X	X	--
Follow-on Investigation, 1998												
M11-01	108-S11-003	11/5/1997	4 - 9.5	--	X	--	--	X	--	X	--	--
	108-S11-006	2/6/1998	4 - 9.5	--	X	--	--	X	--	X	--	--
	108-S11-011	5/12/1998	4 - 9.5	--	X	--	--	X	--	X	--	--
	108-S11-016	8/7/1998	4 - 9.5	--	X*	--	--	X	--	X	--	--
M11-02	108-S11-004	11/5/1997	4 - 9.5	--	X	--	--	X	--	X	--	--
	108-S11-007	2/9/1998	4 - 9.5	--	X	--	--	X	--	X	--	--
	108-S11-012	5/12/1998	4 - 9.5	--	X	--	--	X	--	X	--	--
	108-S11-017	8/7/1998	4 - 9.5	--	X	--	--	X	--	X	--	--
M11-05	108-S11-001	11/5/1997	4 - 14	--	X	--	--	X	--	X	--	--
	108-S11-008	2/6/1998	4 - 14	--	X	--	--	X	--	X	--	--
	108-S11-013	5/12/1998	4 - 14	--	X	--	--	X	--	X	--	--
	108-S11-018	8/7/1998	4 - 14	--	X	--	--	X	--	X	--	--

TABLE 7-2: SITE 11 GROUNDWATER SAMPLING SUMMARY

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Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed								
				SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases
S04-2-8	122-S04-198	3/9/1998	20 - 25	--	X	--	--	--	--	--	--	--
	122-S04-198	3/10/1998	20 - 25	--	X	--	--	--	--	--	--	--
	122-S04-200	3/10/1998	30 - 35	--	X	--	--	--	--	--	--	--
	122-S04-207	3/9/1998	25 - 30	--	X	--	--	--	--	--	--	--
	122-S04-207	3/11/1998	25 - 30	--	X	--	--	--	--	--	--	--
S04-3-8	122-S04-161	2/19/1998	20 - 25	--	X	--	--	--	--	--	--	--
	122-S04-163	2/19/1998	25 - 30	--	X	--	--	--	--	--	--	--
	122-S04-164	2/19/1998	30 - 35	--	X	--	--	--	--	--	--	--
	122-S04-164	2/19/1998	30 - 35	--	X	--	--	--	--	--	--	--
	122-S04-167	2/20/1998	40 - 45	--	X	--	--	--	--	--	--	--
	122-S04-187	3/4/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--
	122-S04-189	3/5/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--
	122-S04-190	3/5/1998	15.5 - 20	--	X	--	--	--	--	--	--	--
S04-3-9	122-S04-203	3/11/1998	20 - 25	--	X	--	--	--	--	--	--	--
	122-S04-205	3/11/1998	25 - 30	--	X	--	--	--	--	--	--	--
	122-S04-206	3/11/1998	30 - 35	--	X	--	--	--	--	--	--	--
S04-4-7	122-S04-137	2/13/1998	20 - 25	--	X	--	--	--	--	--	--	--
	122-S04-137	2/13/1998	20 - 25	--	X	--	--	--	--	--	--	--
	122-S04-138	2/13/1998	25 - 30	--	X	--	--	--	--	--	--	--
	122-S04-140	2/13/1998	30 - 35	--	X	--	--	--	--	--	--	--
	122-S04-185	3/4/1998	11.5 - 13.5	--	X	--	--	--	--	--	--	--
	122-S04-186	3/4/1998	15.5 - 20	--	X	--	--	--	--	--	--	--
	122-S04-188	3/4/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--
S04-4-8	122-S04-165	2/19/1998	20 - 25	--	X	--	--	--	--	--	--	--
	122-S04-193	3/10/1998	15.5 - 20	--	X	--	--	--	--	--	--	--
	122-S04-194	3/10/1998	25 - 30	--	X	--	--	--	--	--	--	--
	122-S04-196	3/10/1998	30 - 35	--	X	--	--	--	--	--	--	--
S04-5-7	122-S04-166	2/20/1998	20 - 25	--	X	--	--	--	--	--	--	--
	122-S04-211	3/11/1998	15.5 - 20	--	X	--	--	--	--	--	--	--
	122-S04-216	3/17/1998	13.5 - 15.5	--	X	--	--	--	--	--	--	--
S04-5-8	122-S04-218	3/23/1998	15.5 - 20	--	X	--	--	--	--	--	--	--
S04-5-9	122-S04-219	3/23/1998	15.5 - 20	--	X	--	--	--	--	--	--	--
S04-5-10	122-S04-249	4/2/1998	25 - 30	--	X	--	--	--	--	--	--	--
Supplemental Data Gap Sampling, 2001												
D11-01	385-S11-012	7/3/2001	50 - 60	X	X	--	--	--	X	--	X	--
M11-01	385-S11-006	7/2/2001	4 - 9.5	X	X	--	--	--	X	--	X	--
M11-02	385-S11-007	7/2/2001	4 - 9.5	X	X	--	--	--	X	--	X	--
M11-03	385-S11-008	7/3/2001	4 - 9.5	X	X	--	--	--	X	--	X	--
M11-04	385-S11-009	7/3/2001	5 - 12	X	X	--	--	--	X	--	X	--
M11-05	385-S11-010	7/3/2001	4 - 14	X	X	--	--	--	X	--	X	--
S11-DGS-DP01	385-S11-005	8/1/2001	5 - 7	--	X	--	--	--	--	--	X	--
S11-DGS-DP102	385-S11-110	8/27/2001	10 - 12	X	--	--	--	--	--	X	--	X
	385-S11-110A	8/27/2001	10	--	X	--	--	--	--	--	--	--
	385-S11-111	8/27/2001	25 - 27	X	--	--	--	--	--	X	--	X
	385-S11-111A	8/27/2001	25	--	X	--	--	--	--	--	--	--
	385-S11-112	8/27/2001	50 - 52	X	--	--	--	--	--	X	--	X
	385-S11-112A	8/27/2001	50	--	X	--	--	--	--	--	--	--

TABLE 7-2: SITE 11 GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed								
				SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases
S11-DGS-DP103	385-S11-102	9/18/2001	10 - 12	X	X	--	--	--	--	X	--	X
	385-S11-106	9/18/2001	25 - 27	X	X	--	--	--	--	X	--	X
	385-S11-109	9/18/2001	50 - 52	X	X	--	--	--	--	X	--	X
S11-DGS-DP105	385-S11-125	8/24/2001	10	X	--	--	--	--	--	X	--	X
	385-S11-125A	8/24/2001	10	--	X	--	--	--	--	--	--	--
	385-S11-126	8/24/2001	25	X	--	--	--	--	--	X	--	X
	385-S11-126A	8/24/2001	25	--	X	--	--	--	--	--	--	--
	385-S11-127	8/24/2001	50	X	--	--	--	--	--	X	--	X
	385-S11-127A	8/24/2001	50	--	X	--	--	--	--	--	--	--
S11-DGS-HA01	385-S11-001	7/25/2001	9 - 14	--	X	--	--	--	--	--	X	--
	385-S11-001A	7/25/2001	9 - 14	--	X	--	--	--	--	--	X	--
S11-DGS-HA02	385-S11-002	7/26/2001	8 - 9.5	--	X	--	--	--	--	--	X	--
S11-DGS-HA03	385-S11-003	7/26/2001	8 - 9.5	--	X	--	--	--	--	--	X	--
Basewide Groundwater Monitoring, 2002												
D11-01	D11-01-A1084	7/8/2002	50 - 60	--	X	--	--	X	--	X	X	X
	D11-01-A1585	12/10/2002	50 - 60	--	X	--	--	X	--	X	X	X
M11-01	M11-01-A1094	6/21/2002	4 - 9.5	--	X	--	--	X	--	X	X	X
	M11-01-A1308	9/6/2002	4 - 9.5	--	X	--	--	--	--	--	X	--
	M11-01-A1595	12/9/2002	4 - 9.5	--	X	--	--	X	--	X	X	X
M11-04	M11-04-A1095	6/20/2002	5 - 12	--	X	--	--	X	--	X	X	--
	M11-04-A1309	9/6/2002	5 - 12	--	X	--	--	--	--	--	X	--
	M11-04-A1596	12/9/2002	5 - 12	--	X	--	--	X	--	X	X	--
M11-05	M11-05-A1096	6/20/2002	4 - 14	--	X	--	--	X	--	X	X	X
	M11-05-A1310	9/9/2002	4 - 14	--	X	--	--	--	--	--	X	--
	M11-05-A1597	12/9/2002	4 - 14	--	X	--	--	X	--	X	X	X
TPH Investigations												
Fuel Line and Underground Storage Tank Investigations												
030-MOD1-9/10	030-MOD1-10	11/20/1998	9 - 9.5	--	X	--	X	--	--	--	X	--
	030-MOD1-9	11/20/1998	9 - 9.5	--	X	--	X	--	--	--	X	--
030-MOD1-45	030-MOD1-45	11/20/1998	9 - 9.5	--	X	--	X	--	--	--	X	--
030-MOD1-67	030-MOD1-67	11/20/1998	9	--	X	--	X	--	--	--	X	--
030-MOD1-145	030-MOD1-145	11/24/1998	7	--	X	--	X	--	--	--	X	--
030-S07-013	030-S07-013A	9/30/1998	7.5 - 8	X	X	--	--	--	--	--	X	--
	030-S07-013B	10/1/1998	7.5 - 8	--	--	--	X	--	--	--	--	--
030-S07-014	030-S07-014	9/30/1998	8 - 9	X	X	--	X	--	--	--	X	--
030-S07-015	030-S07-015	10/6/1998	5.5 - 6	X	X	--	X	--	--	--	X	--
030-S07-018	030-S07-018	10/14/1998	6.5 - 7	X	X	--	X	--	--	--	X	--
14-1L	14-1L	11/17/1994		--	X	--	--	--	--	--	X	--
14-4L	14-4L	11/22/1994		--	X	--	--	--	--	--	X	--
37-1-MOJ	37-P1	8/21/1997		--	X	--	--	--	--	--	X	--
37-2-MOJ	37-P2	8/22/1997		--	--	--	--	--	--	--	X	--
37-3-MOJ	37-P3	8/21/1997		--	X	--	--	--	--	--	X	--
37-4-MOJ	37-P4	8/21/1997		--	X	--	--	--	--	--	X	--
37-5-MOJ	37-P5	8/22/1997		--	X	--	--	--	--	--	X	--
37-6-MOJ	37-P6	8/19/1997		--	X	--	--	--	--	--	X	--
37-7-MOJ	37-P7	8/21/1997		--	X	--	--	--	--	--	X	--
37-8-MOJ	37-P8	8/18/1997		--	X	--	--	--	--	--	X	--

TABLE 7-2: SITE 11 GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed								
				SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases
37-9-MOJ	37-P9	8/18/1997		--	X	--	--	--	--	--	X	--
37-10-MOJ	37-P10	8/18/1997		--	X	--	--	--	--	--	X	--
37-19-MOJ	37-P19	8/18/1997		--	X	--	--	--	--	--	X	--
37-20-MOJ	37-P20	8/19/1997		--	X	--	--	--	--	--	X	--
37-21L	37-21L	6/29/1995		--	X	--	--	--	X	--	X	--
37-21-MOJ	37-P21	8/19/1997		--	X	--	--	--	--	--	X	--
37-22-MOJ	37-P22	8/19/1997		--	X	--	--	--	--	--	X	--
37-23L	37-23L	7/13/1995		--	X	--	--	--	--	--	X	--
37-23-MOJ	37-P23	8/26/1997		--	X	--	--	--	--	--	X	--
37-24-MOJ	37-P24	8/19/1997		--	X	--	--	--	--	--	X	--
37-25-MOJ	37-P25	8/19/1997		--	X	--	--	--	--	--	X	--
37-26-MOJ	37-P26	8/22/1997		--	X	--	--	--	--	--	X	--
37-27-MOJ	37-P27	8/21/1997		--	--	--	--	--	--	--	X	--
37-39-MOJ	37-P39	8/29/1997		--	X	--	--	--	--	--	X	--
37-40-MOJ	37-P40	9/4/1997		--	X	--	--	--	--	--	X	--
37-41-MOJ	37-P41	9/4/1997		--	X	--	--	--	--	--	X	--
37-43-MOJ	37-P43	9/19/1997		--	X	--	--	--	--	--	X	--
37-44-MOJ	37-P44	9/19/1997		--	X	--	--	--	--	--	X	--
37-45-MOJ	37-P45	9/19/1997		--	X	--	--	--	--	--	X	--
37-46-MOJ	37-P46	9/19/1997		--	X	--	--	--	--	--	X	--
37-47-MOJ	37-P47	9/19/1997		--	X	--	--	--	--	--	X	--
37-48-MOJ	37-P48	9/19/1997		--	X	--	--	--	--	--	X	--
37-49-MOJ	37-P49	9/19/1997		--	X	--	--	--	--	--	X	--
37-76-MOJ	37-P76	10/3/1997		--	X	--	--	--	--	--	X	--
37-77-MOJ	37-P77	10/3/1997		--	X	--	--	--	--	--	X	--
37-78-MOJ	37-P78	10/3/1997		--	X	--	--	--	--	--	X	--
37-83-MOJ	37-P83	10/3/1997		--	X	--	--	--	--	--	X	--
37-84-MOJ	37-P84	10/3/1997		--	X	--	--	--	--	--	X	--
37-MJ-MW3	37-MJ-MW-3	12/12/1997		--	X	--	--	--	--	--	X	--
	37-MJ-MW-3	3/16/1998		--	X	--	--	--	--	--	X	--
37-MJ-MW-4	37-MJ-MW-4	12/12/1997		--	X	--	--	--	--	--	X	--
	37-MJ-MW-4	3/16/1998		--	X	--	--	--	--	--	X	--
	37-MJ-MW-4	11/24/1998		--	X	--	--	--	--	--	X	--
	37-MJ-MW-4	4/6/1999		--	X	--	--	--	--	--	X	--
37-MJ-MW-5	37-MJ-MW-5	12/12/1997		--	X	--	--	--	--	--	X	--
	37-MJ-MW-5	3/16/1998		--	X	--	--	--	--	--	X	--
	37-MJ-MW-5	11/24/1998		--	X	--	--	--	--	--	X	--
	37-MJ-MW-5	4/6/1999		--	X	--	--	--	--	--	X	--
37-MJ-MW7	37-MJ-MW-7	12/12/1997		--	X	--	--	--	--	--	X	--
	37-MJ-MW-7	3/16/1998		--	X	--	--	--	--	--	X	--
CA11-01	030-CAP-127	5/2/2000	10	--	X	--	--	X	--	X	X	X
CA11-02	030-CAP-128	5/2/2000	10	--	X	--	--	X	--	X	X	X
CA11-09	030-CAP-138	5/2/2000	10	--	X	--	--	X	--	X	X	X
CA11-10	030-CAP-136	5/2/2000	10	--	X	--	--	X	--	X	X	X
CA11-11	030-CAP-137	5/3/2000	10	--	X	--	--	X	--	X	X	X
CA11-12	030-CAP-135	5/3/2000	10	--	X	--	--	X	--	X	X	X
CA11-13	030-CAP-139	5/3/2000	10	--	X	--	--	X	--	X	X	X

TABLE 7-2: SITE 11 GROUNDWATER SAMPLING SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Sample Location	Sample Identification	Date Sampled	Sample Depth (ft bgs)	Analyses Performed								
				SVOCs	VOCs	Pesticides	Total Metals	Dissolved Metals	PAHs	General Chemistry	TPH	Dissolved Gases
CA11-14	030-CAP-151	4/28/2000	3 - 8	--	--	--	--	X	--	--	--	--
	030-CAP-151	4/28/2000	3 - 8	--	X	--	--	--	--	--	X	--
CA11-15	030-CAP-152	4/28/2000	3 - 8	--	--	--	--	X	--	--	--	--
	030-CAP-152	4/28/2000	3 - 8	--	X	--	--	--	--	--	X	--
CA11-16	030-CAP-153	5/2/2000	3 - 8	--	--	--	--	X	--	--	--	--
	030-CAP-153	5/2/2000	3 - 8	--	X	--	--	--	--	--	X	--
CA11-17	030-CAP-155	5/2/2000	3 - 8	--	--	--	--	X	--	--	--	--
	030-CAP-155	5/2/2000	3 - 8	--	X	--	--	--	--	--	X	--
CA11-21	030-CAP-167	4/28/2000	3 - 8	--	--	--	--	X	--	--	--	--
	030-CAP-167	4/28/2000	3 - 8	--	X	--	--	--	--	--	X	--
CA11-22	030-CAP-168	4/28/2000	3 - 8	--	--	--	--	X	--	--	--	--
	030-CAP-168	4/28/2000	3 - 8	--	X	--	--	--	--	--	X	--
CA11-23	030-CAP-169	4/28/2000	3 - 8	--	--	--	--	X	--	--	--	--
	030-CAP-169	4/28/2000	3 - 8	--	X	--	--	--	--	--	X	--
CA11-24	030-CAP-170	4/28/2000	3 - 8	--	--	--	--	X	--	--	--	--
	030-CAP-170	4/28/2000	3 - 8	--	X	--	--	--	--	--	X	--
CA11-25	030-CAP-171	4/28/2000	3 - 8	--	--	--	--	X	--	--	--	--
	030-CAP-171	4/28/2000	3 - 8	--	X	--	--	--	--	--	X	--

Notes:

--	Mot analyzed	PAH	Polynuclear aromatic hydrocarbon
bgs	Below ground surface	PCB	Polychlorinated hydrocarbon
ft	Foot	SVOC	Semivolatile organic compound
General chemistry	Any combination of the following: percent moisture, pH, reactivity and/or TOC.	TPH	Total petroleum hydrocarbon
o-Pest	Organic pesticide	VOC	Volatile organic compound
O & G	Oil and Grease	CMPL	Complete

TABLE 7-3: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES

Phases 2B and 3 Investigation, 1991

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Volatile Organic Compounds (µg/kg)											
1,1,1-TRICHLOROETHANE	21	0	0	--	--	--	5.2	31	0	0	1,200,000
1,1,2,2-TETRACHLOROETHANE	21	0	0	--	--	--	5.2	31	0	0	410
1,1,2-TRICHLOROETHANE	21	0	0	--	--	--	5.2	31	0	0	730
1,1-DICHLOROETHANE	21	0	0	--	--	--	5.2	31	0	0	2,800
1,1-DICHLOROETHENE	21	0	0	--	--	--	5.2	31	0	0	120,000
1,2-DICHLOROETHANE	21	0	0	--	--	--	5.2	31	0	0	280
1,2-DICHLOROPROPANE	21	0	0	--	--	--	5.2	31	0	0	340
2-BUTANONE	21	0	0	--	--	--	10	61	--	--	NA
2-HEXANONE	21	0	0	--	--	--	10	61	--	--	NA
4-METHYL-2-PENTANONE	21	0	0	--	--	--	10	61	--	--	NA
ACETONE	21	3	14	300	130	490	11	160	0	0	1,600,000
BENZENE	21	0	0	--	--	--	5.2	31	0	0	600
BROMODICHLOROMETHANE	21	0	0	--	--	--	5.2	31	0	0	820
BROMOFORM	21	0	0	--	--	--	5.2	31	0	0	62,000
BROMOMETHANE	21	0	0	--	--	--	5.2	31	0	0	3,900
CARBON DISULFIDE	21	0	0	--	--	--	5.2	31	0	0	360,000
CARBON TETRACHLORIDE	21	0	0	--	--	--	5.2	31	0	0	250
CHLOROBENZENE	21	0	0	--	--	--	5.2	31	0	0	150,000
CHLOROETHANE	21	0	0	--	--	--	5.2	31	0	0	3,000
CHLOROFORM	21	0	0	--	--	--	5.2	31	0	0	940
CHLOROMETHANE	21	0	0	--	--	--	5.2	31	0	0	1,200
CIS-1,3-DICHLOROPROPENE	21	0	0	--	--	--	5.2	31	0	0	780
DIBROMOCHLOROMETHANE	21	0	0	--	--	--	5.2	31	0	0	1,100
ETHYLBENZENE	21	0	0	--	--	--	5.2	31	0	0	8,900
ETHYLENE DIBROMIDE	21	0	0	--	--	--	0.314	0.526	--	--	NA
METHYLENE CHLORIDE	21	0	0	--	--	--	5.3	31	0	0	9,100
STYRENE	21	0	0	--	--	--	5.2	31	0	0	1,700,000
TETRACHLOROETHENE	21	0	0	--	--	--	5.2	31	0	0	1,500
TOLUENE	21	0	0	--	--	--	5.2	31	0	0	520,000
TRANS-1,2-DICHLOROETHENE	21	0	0	--	--	--	5.2	31	0	0	69,000
TRANS-1,3-DICHLOROPROPENE	21	0	0	--	--	--	5.2	31	0	0	780

TABLE 7-3: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

Phases 2B and 3 Investigation, 1991

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Volatile Organic Compounds (µg/kg)											
TRICHLOROETHENE	21	0	0	--	--	--	5.2	31	0	0	53
VINYL ACETATE	21	0	0	--	--	--	5.2	31	0	0	430,000
VINYL CHLORIDE	21	0	0	--	--	--	5.2	31	0	0	79
XYLENE (TOTAL)	21	0	0	--	--	--	5.2	31	0	0	270,000
Semivolatile Organic Compounds (µg/kg)											
1,2,4-TRICHLOROBENZENE	27	0	0	--	--	--	100	1,200	0	0	650,000
1,2-DICHLOROBENZENE	27	0	0	--	--	--	81	810	0	0	370,000
1,3-DICHLOROBENZENE	27	0	0	--	--	--	81	810	0	0	16,000
1,4-DICHLOROBENZENE	27	0	0	--	--	--	81	810	0	0	3,400
2,2'-OXYBIS(1-CHLOROPROPANE)	27	0	0	--	--	--	81	810	--	--	NA
2,4,5-TRICHLOROPHENOL	27	0	0	--	--	--	310	3,500	0	0	6,100,000
2,4,6-TRICHLOROPHENOL	27	0	0	--	--	--	310	3,500	0	0	6,900
2,4-DICHLOROPHENOL	27	0	0	--	--	--	150	1,600	0	0	180,000
2,4-DIMETHYLPHENOL	27	0	0	--	--	--	520	5,800	0	0	1,200,000
2,4-DINITROPHENOL	27	0	0	--	--	--	1,500	15,000	0	0	120,000
2,4-DINITROTOLUENE	27	0	0	--	--	--	150	1,600	0	0	120,000
2,6-DINITROTOLUENE	27	0	0	--	--	--	150	1,600	0	0	61,000
2-CHLORONAPHTHALENE	27	0	0	--	--	--	81	810	--	--	NA
2-CHLOROPHENOL	27	0	0	--	--	--	150	1,600	0	0	63,000
2-METHYLPHENOL	27	0	0	--	--	--	150	3,500	--	--	NA
2-NITROANILINE	27	0	0	--	--	--	170	1,700	0	0	1,700
2-NITROPHENOL	27	0	0	--	--	--	150	1,600	--	--	NA
3,3'-DICHLOROBENZIDINE	27	0	0	--	--	--	520	**5,800**	0	1	1,100
3-NITROANILINE	27	0	0	--	--	--	310	3,500	--	--	NA
4,6-DINITRO-2-METHYLPHENOL	27	0	0	--	--	--	1,000	12,000	--	--	NA
4-BROMOPHENYL-PHENYLETHER	27	0	0	--	--	--	150	1,600	--	--	NA
4-CHLORO-3-METHYLPHENOL	27	0	0	--	--	--	150	1,600	--	--	NA
4-CHLOROANILINE	27	0	0	--	--	--	310	3,500	0	0	240,000
4-CHLOROPHENYL-PHENYLETHER	27	0	0	--	--	--	100	1,200	--	--	NA
4-METHYLPHENOL	27	0	0	--	--	--	150	3,500	0	0	310,000

TABLE 7-3: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

Phases 2B and 3 Investigation, 1991

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Semivolatile Organic Compounds (µg/kg)											
4-NITROANILINE	27	0	0	--	--	--	170	1,700	--	--	NA
4-NITROPHENOL	27	0	0	--	--	--	520	5,800	--	--	NA
BENZOIC ACID	27	0	0	--	--	--	350	3,500	0	0	100,000,000
BENZYL ALCOHOL	27	0	0	--	--	--	150	3,500	0	0	18,000,000
BIS(2-CHLOROETHOXY)METHANE	27	0	0	--	--	--	81	810	--	--	NA
BIS(2-CHLOROETHYL)ETHER	27	0	0	--	--	--	81	**810**	0	1	210
BIS(2-ETHYLHEXYL)PHTHALATE	27	1	4	13,000	13,000 J	13,000 J	100	1,200	0	0	35,000
BUTYLBENZYLPHTHALATE	27	0	0	--	--	--	100	1,200	0	0	12,000,000
DI-N-BUTYLPHTHALATE	27	0	0	--	--	--	81	810	--	--	NA
DI-N-OCTYLPHTHALATE	27	0	0	--	--	--	150	1,600	--	--	NA
DIBENZOFURAN	27	0	0	--	--	--	120	1,400	0	0	290,000
DIETHYLPHTHALATE	27	0	0	--	--	--	81	810	0	0	49,000,000
DIMETHYLPHTHALATE	27	0	0	--	--	--	81	810	0	0	100,000,000
HEXACHLOROBENZENE	27	0	0	--	--	--	100	**1,200**	0	1	300
HEXACHLOROBUTADIENE	27	0	0	--	--	--	150	1,600	0	0	6,200
HEXACHLOROCYCLOPENTADIENE	27	0	0	--	--	--	1,000	12,000	0	0	370,000
HEXACHLOROETHANE	27	0	0	--	--	--	100	1,200	0	0	35,000
ISOPHORONE	27	0	0	--	--	--	81	810	0	0	510,000
N-NITROSO-DI-N-PROPYLAMINE	27	0	0	--	--	--	**100**	**1,200**	0	27	69
N-NITROSODIPHENYLAMINE	27	0	0	--	--	--	81	810	0	0	99,000
NITROBENZENE	27	0	0	--	--	--	81	810	0	0	20,000
PENTACHLOROPHENOL	27	0	0	--	--	--	520	**5,800**	0	1	3,000
PHENOL	27	0	0	--	--	--	150	1,600	0	0	37,000,000
Metals (mg/kg)											
ALUMINUM	28	28	100	7,610	3,150	18,300	0	0	0	0	76,000
ANTIMONY	28	2	7	2.6	2.6	2.6	2.5	4.1	0	0	31.0
ARSENIC	28	28	100	**3.0**	**0.651**	**8.91**	0	0	28	0	0.39
BARIUM	28	28	100	37.6	15	118	0	0	0	0	5,400
BERYLLIUM	28	28	100	0.92	0.206	2.34	0	0	0	0	150
CADMIUM	28	8	29	1.9	0.698	4.32	0.299	0.429	0	0	37.0

TABLE 7-3: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

Phases 2B and 3 Investigation, 1991

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Metals (mg/kg)											
CALCIUM	28	28	100	3,410	971	12,900	0	0	--	--	NA
CHROMIUM	28	28	100	33.6	8.03	73.5	0	0	0	0	210
COBALT	28	28	100	9.4	4.03	36.1	0	0	0	0	900
COPPER	28	28	100	18.5	4.77	83.2	0	0	0	0	3,100
IRON	28	28	100	13,600	6,530	**32,500**	0	0	1	0	23,000
LEAD	28	28	100	29.4	0.775J	**242**	0	0	1	0	150
MAGNESIUM	28	28	100	4,070	1,870	11,000	0	0	--	--	NA
MANGANESE	28	28	100	192	60.6	417	0	0	0	0	1,800
MERCURY	28	6	21	0.54	0.122	1.34	0.077	0.296	0	0	23.0
NICKEL	28	28	100	38.2	6.75	89	0	0	0	0	1,600
POTASSIUM	28	28	100	913	288	3,650	0	0	--	--	NA
SELENIUM	28	3	11	0.60	0.28	1.13	0.192	0.298	0	0	390
SILVER	28	4	14	0.78	0.651	0.87	0.489	0.701	0	0	390
SODIUM	28	28	100	853	80.3	4,420	0	0	--	--	NA
THALLIUM	28	0	0	--	--	--	0.247	0.449	0	0	5.2
VANADIUM	28	28	100	28.4	15.3	63.6	0	0	0	0	550
ZINC	28	28	100	43.8	16.1	196	0	0	0	0	23,000

TABLE 7-3: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES

Phases 2B and 3 Investigation, 1991

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

NOTES:

Bold denotes values exceeding the PRG

--	Not detected
J	Estimated value
mg/kg	Milligrams per kilogram
NA	No PRG available
PRG	Preliminary Remediation Goal, U.S. Environmental Protection Agency, Region 9 or Cal-modified (2002)
µg/kg	Micrograms per kilogram

TABLE 7-4: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Phases 2B and 3 Investigation, 1991

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Volatile Organic Compounds (µg/L)												
1,1,1-TRICHLOROETHANE	4	0	0	--	--	--	1	2	0	0	3,200	200
1,1,2,2-TETRACHLOROETHANE	4	0	0	--	--	--	**1**	**2**	0	4	0.06	1
1,1,2-TRICHLOROETHANE	4	0	0	--	--	--	**1**	**2**	0	4	0.2	5
1,1-DICHLOROETHANE	4	2	50	**3**	1.2	**4.8**	1	2	1	0	2	5
1,1-DICHLOROETHENE	4	0	0	--	--	--	1	2	0	0	340	6
1,2-DICHLOROETHANE	4	0	0	--	--	--	**1**	**2**	0	4	0.1	0.5
1,2-DICHLOROETHENE (TOTAL)	4	1	25	7	6.9	6.9	1	2	0	0	61	NA
1,2-DICHLOROPROPANE	4	0	0	--	--	--	**1**	**2**	0	4	0.2	5
2-BUTANONE	4	0	0	--	--	--	2	4	--	--	NA	NA
2-HEXANONE	4	0	0	--	--	--	2	4	--	--	NA	NA
4-METHYL-2-PENTANONE	4	0	0	--	--	--	2	4	--	--	NA	NA
ACETONE	4	1	25	76	76	76	2	2.4	0	0	610	NA
BENZENE	4	0	0	--	--	--	**1**	**2**	0	4	0.3	1
BROMODICHLOROMETHANE	4	0	0	--	--	--	**1**	**2**	0	4	0.2	80
BROMOFORM	4	0	0	--	--	--	1	2	0	0	9	80
BROMOMETHANE	4	0	0	--	--	--	1	2	0	0	9	NA
CARBON DISULFIDE	4	0	0	--	--	--	1	2	0	0	1,000	NA
CARBON TETRACHLORIDE	4	0	0	--	--	--	**1**	**2**	0	4	0.2	0.5
CHLOROBENZENE	4	0	0	--	--	--	1	2	0	0	110	70
CHLOROETHANE	4	0	0	--	--	--	1	2	0	0	5	NA
CHLOROFORM	4	0	0	--	--	--	**1**	**2**	0	4	0.5	80
CHLOROMETHANE	4	0	0	--	--	--	1	**2**	0	1	2	NA
CIS-1,3-DICHLOROPROPENE	4	0	0	--	--	--	**1**	**2**	0	4	0.4	0.5
DIBROMOCHLOROMETHANE	4	0	0	--	--	--	**1**	**2**	0	4	0.1	80
ETHYLBENZENE	4	0	0	--	--	--	1	2	0	0	3	300
ETHYLENE DIBROMIDE	4	0	0	--	--	--	0.02	0.02	--	--	NA	0.05
METHYLENE CHLORIDE	4	0	0	--	--	--	1	2	0	0	4	NA
STYRENE	4	0	0	--	--	--	1	2	0	0	1,600	100
TETRACHLOROETHENE	4	0	0	--	--	--	**1**	**2**	0	4	0.7	5
TOLUENE	4	0	0	--	--	--	1	2	0	0	720	150
TRANS-1,3-DICHLOROPROPENE	4	0	0	--	--	--	**1**	**2**	0	4	0.4	0.5

TABLE 7-4: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Phases 2B and 3 Investigation, 1991

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Volatile Organic Compounds (µg/L)												
TRICHLOROETHENE	4	1	25	**2**	**1.6**	**1.6**	**1**	**2**	1	3	0.03	5
VINYL ACETATE	4	0	0	--	--	--	1	2	0	0	410	NA
VINYL CHLORIDE	4	1	25	**3**	**3.3**	**3.3**	**1**	**2**	1	3	0.02	0.5
XYLENE (TOTAL)	4	0	0	--	--	--	1	2	0	0	210	1,800
Semivolatile Organic Compounds (µg/L)												
1,2,4-TRICHLOROBENZENE	4	0	0	--	--	--	1	1	0	0	190	5
1,2-DICHLOROBENZENE	4	0	0	--	--	--	1	1	0	0	370	600
1,3-DICHLOROBENZENE	4	0	0	--	--	--	1	1	0	0	6	NA
1,4-DICHLOROBENZENE	4	0	0	--	--	--	**1**	**1**	0	4	0.5	5
2,2'-OXYBIS(1-CHLOROPROPANE)	4	0	0	--	--	--	1	1	--	--	NA	NA
2,4,5-TRICHLOROPHENOL	4	0	0	--	--	--	3	3	0	0	3,600	50
2,4,6-TRICHLOROPHENOL	4	0	0	--	--	--	**3**	**3**	0	4	1	NA
2,4-DICHLOROPHENOL	4	0	0	--	--	--	2	2	0	0	110	NA
2,4-DIMETHYLPHENOL	4	0	0	--	--	--	2	2	0	0	730	NA
2,4-DINITROPHENOL	4	0	0	--	--	--	30	30	0	0	73	NA
2,4-DINITROTOLUENE	4	0	0	--	--	--	2	2	0	0	73	NA
2,6-DINITROTOLUENE	4	0	0	--	--	--	2	2	0	0	36	NA
2-CHLORONAPHTHALENE	4	0	0	--	--	--	1	1	--	--	NA	NA
2-CHLOROPHENOL	4	0	0	--	--	--	2	2	0	0	30	NA
2-METHYLNAPHTHALENE	4	0	0	--	--	--	2	2	--	--	NA	NA
2-METHYLPHENOL	4	0	0	--	--	--	2	2	0	0	1,800	NA
2-NITROANILINE	4	0	0	--	--	--	**3**	**3**	0	4	1	NA
2-NITROPHENOL	4	0	0	--	--	--	2	2	--	--	NA	NA
3,3'-DICHLOROBENZIDINE	4	0	0	--	--	--	**3**	**3**	0	4	0.2	NA
3-NITROANILINE	4	0	0	--	--	--	2	2	--	--	NA	NA
4,6-DINITRO-2-METHYLPHENOL	4	0	0	--	--	--	20	20	--	--	NA	NA
4-BROMOPHENYL-PHENYLETHER	4	0	0	--	--	--	2	2	--	--	NA	NA
4-CHLORO-3-METHYLPHENOL	4	0	0	--	--	--	2	2	--	--	NA	NA
4-CHLOROANILINE	4	0	0	--	--	--	3	3	0	0	150	NA
4-CHLOROPHENYL-PHENYLETHER	4	0	0	--	--	--	1.5	1.5	--	--	NA	NA

TABLE 7-4: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Phases 2B and 3 Investigation, 1991

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Semivolatile Organic Compounds (µg/L)												
4-METHYLPHENOL	4	0	0	--	--	--	2	2	0	0	180	NA
4-NITROANILINE	4	0	0	--	--	--	3	3	--	--	NA	NA
4-NITROPHENOL	4	0	0	--	--	--	10	10	--	--	NA	NA
ACENAPHTHENE	4	0	0	--	--	--	1	1	0	0	370	NA
ACENAPHTHYLENE	4	0	0	--	--	--	1	1	--	--	NA	NA
ANTHRACENE	4	0	0	--	--	--	1	1	0	0	1,800	NA
BENZO(A)ANTHRACENE	4	0	0	--	--	--	**1**	**1**	0	4	0.09	0.1
BENZO(A)PYRENE	4	0	0	--	--	--	**2**	**2**	0	4	0.009	0.2
BENZO(B)FLUORANTHENE	4	0	0	--	--	--	**1.5**	**1.5**	0	4	0.09	NA
BENZO(G,H,I)PERYLENE	4	0	0	--	--	--	2.5	2.5	--	--	NA	NA
BENZO(K)FLUORANTHENE	4	0	0	--	--	--	**1.5**	**1.5**	0	4	0.06	NA
BENZOIC ACID	4	0	0	--	--	--	5	5	0	0	150,000	NA
BENZYL ALCOHOL	4	0	0	--	--	--	2	2	0	0	11,000	NA
BIS(2-CHLOROETHOXY)METHANE	4	0	0	--	--	--	1	1	--	--	NA	NA
BIS(2-CHLOROETHYL)ETHER	4	0	0	--	--	--	**1**	**1**	0	4	0.01	NA
BIS(2-ETHYLHEXYL)PHTHALATE	4	0	0	--	--	--	1	1	0	0	5	NA
BUTYLBENZYLPHTHALATE	4	0	0	--	--	--	1.5	1.5	0	0	7,300	NA
CHRYSENE	4	0	0	--	--	--	**1**	**1**	0	4	0.6	NA
DI-N-BUTYLPHTHALATE	4	0	0	--	--	--	1	1	--	--	NA	NA
DI-N-OCTYLPHTHALATE	4	0	0	--	--	--	2	2	--	--	NA	NA
DIBENZO(A,H)ANTHRACENE	4	0	0	--	--	--	**2.5**	**2.5**	0	4	0.009	NA
DIBENZOFURAN	4	0	0	--	--	--	2	2	0	0	24	NA
DIETHYLPHTHALATE	4	0	0	--	--	--	1	1	0	0	29,000	NA
DIMETHYLPHTHALATE	4	0	0	--	--	--	1	1	0	0	360,000	NA
FLUORANTHENE	4	0	0	--	--	--	1	1	0	0	1,500	NA
FLUORENE	4	0	0	--	--	--	1	1	0	0	240	NA
HEXACHLOROBENZENE	4	0	0	--	--	--	**1**	**1**	0	4	0.04	1
HEXACHLOROBUTADIENE	4	0	0	--	--	--	**2**	**2**	0	4	0.9	NA
HEXACHLOROCYCLOPENTADIENE	4	0	0	--	--	--	2	2	0	0	220	NA
HEXACHLOROETHANE	4	0	0	--	--	--	1	1	0	0	5	NA
INDENO(1,2,3-CD)PYRENE	4	0	0	--	--	--	**2.5**	**2.5**	0	4	0.09	NA

TABLE 7-4: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Phases 2B and 3 Investigation, 1991

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Semivolatile Organic Compounds (µg/L)												
ISOPHORONE	4	0	0	--	--	--	1	1	0	0	71	NA
N-NITROSO-DI-N-PROPYLAMINE	4	0	0	--	--	--	**1**	**1**	0	4	0.01	NA
N-NITROSODIPHENYLAMINE	4	0	0	--	--	--	1	1	0	0	14	NA
NAPHTHALENE	4	0	0	--	--	--	1	1	0	0	6	NA
NITROBENZENE	4	0	0	--	--	--	1	1	0	0	3	NA
PENTACHLOROPHENOL	4	0	0	--	--	--	**10**	**10**	0	4	0.6	1
PHENANTHRENE	4	0	0	--	--	--	1	1	--	--	NA	NA
PHENOL	4	0	0	--	--	--	2	2	0	0	22,000	NA
PYRENE	4	0	0	--	--	--	1	1	0	0	180	NA
Metals (µg/L)												
Filtered												
ALUMINUM	4	2	50	181	133	229	31	31	0	0	36,000	NA
ANTIMONY	4	0	0	--	--	--	**25.1**	**25.1**	0	4	15.0	6.0
ARSENIC	4	4	100	**6.6**	**4.8**	**8.4**	0	0	4	0	0.045	10.0
BARIUM	4	4	100	48.9	13.1	86.7	0	0	0	0	2,600	1,000
BERYLLIUM	4	0	0	--	--	--	1.3	1.3	0	0	73.0	4.0
CADMIUM	4	0	0	--	--	--	3	3	0	0	18.0	5.0
CALCIUM	4	4	100	32,900	10,800	45,600	0	0	--	--	NA	NA
CHROMIUM	4	0	0	--	--	--	5.7	5.7	0	0	55,000	50.0
COBALT	4	0	0	--	--	--	6.1	6.1	0	0	730	NA
COPPER	4	3	75	17.2	16.7	17.8	2.1	2.1	0	0	1,500	1,300
IRON	4	4	100	108	6.6	310	0	0	0	0	11,000	NA
LEAD	4	1	25	2.7	2.7	2.7	2	2	--	--	NA	15.0
MAGNESIUM	4	4	100	21,700	13,100	40,300	0	0	--	--	NA	NA
MANGANESE	4	4	100	186	58	315	0	0	0	0	880	NA
MERCURY	4	0	0	--	--	--	0.2	0.2	0	0	11.0	2.0
NICKEL	4	1	25	17.1	17.1	17.1	13.2	13.2	0	0	730	100
POTASSIUM	4	4	100	26,800	14,100	43,700	0	0	--	--	NA	NA
SELENIUM	4	0	0	--	--	--	2.1	2.1	0	0	180	50.0
SILVER	4	0	0	--	--	--	4.9	4.9	0	0	180	NA
SODIUM	4	4	100	232,000	92,700	366,000	0	0	--	--	NA	NA

TABLE 7-4: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Phases 2B and 3 Investigation, 1991

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Metals (µg/L)												
Filtered												
THALLIUM	4	0	0	--	--	--	**2.7**	**2.7**	0	4	2.4	2.0
VANADIUM	4	4	100	8.2	5.2	11	0	0	0	0	260	NA
ZINC	4	4	100	5.1	2.4	7.6	0	0	0	0	11,000	NA

TABLE 7-4: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Phases 2B and 3 Investigation, 1991

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

NOTES:

Bold denotes values exceeding the PRG

--	Not detected
MCL	Maximum Contaminant Level
NA	No criteria available
PRG	Preliminary Remediation Goal, U.S. Environmental Protection Agency, Region 9 or CAL-modified (2002)
µg/L	Micrograms per liter

TABLE 7-5: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES

Follow-on Investigation, 1994

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Volatile Organic Compounds (µg/kg)											
1,1,1-TRICHLOROETHANE	16	0	0	--	--	--	10	12	0	0	1,200,000
1,1,2,2-TETRACHLOROETHANE	16	0	0	--	--	--	10	12	0	0	410
1,1,2-TRICHLOROETHANE	16	0	0	--	--	--	10	12	0	0	730
1,1-DICHLOROETHANE	16	0	0	--	--	--	10	12	0	0	2,800
1,1-DICHLOROETHENE	16	0	0	--	--	--	10	12	0	0	120,000
1,2-DICHLOROETHANE	16	0	0	--	--	--	10	12	0	0	280
1,2-DICHLOROETHENE (TOTAL)	16	0	0	--	--	--	10	12	0	0	43,000
1,2-DICHLOROPROPANE	16	0	0	--	--	--	10	12	0	0	340
2-BUTANONE	16	0	0	--	--	--	10	12	--	--	NA
2-HEXANONE	16	0	0	--	--	--	10	12	--	--	NA
4-METHYL-2-PENTANONE	16	0	0	--	--	--	10	12	--	--	NA
ACETONE	16	0	0	--	--	--	10	14	0	0	1,600,000
BENZENE	16	0	0	--	--	--	10	12	0	0	600
BROMODICHLOROMETHANE	16	0	0	--	--	--	10	12	0	0	820
BROMOFORM	16	0	0	--	--	--	10	12	0	0	62,000
BROMOMETHANE	16	0	0	--	--	--	10	12	0	0	3,900
CARBON DISULFIDE	16	0	0	--	--	--	10	12	0	0	360,000
CARBON TETRACHLORIDE	16	0	0	--	--	--	10	12	0	0	250
CHLOROBENZENE	16	0	0	--	--	--	10	12	0	0	150,000
CHLOROETHANE	16	0	0	--	--	--	10	12	0	0	3,000
CHLOROFORM	16	1	6	2	2 J	2 J	10	12	0	0	940
CHLOROMETHANE	16	0	0	--	--	--	10	12	0	0	1,200
CIS-1,3-DICHLOROPROPENE	16	0	0	--	--	--	10	12	0	0	780
DIBROMOCHLOROMETHANE	16	0	0	--	--	--	10	12	0	0	1,100
ETHYLBENZENE	16	0	0	--	--	--	10	12	0	0	8,900
METHYLENE CHLORIDE	16	0	0	--	--	--	10	12	0	0	9,100
STYRENE	16	0	0	--	--	--	10	12	0	0	1,700,000
TETRACHLOROETHENE	16	0	0	--	--	--	10	12	0	0	1,500
TOLUENE	16	0	0	--	--	--	10	12	0	0	520,000
TRANS-1,3-DICHLOROPROPENE	16	0	0	--	--	--	10	12	0	0	780
TRICHLOROETHENE	16	0	0	--	--	--	10	12	0	0	53

TABLE 7-5: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

Follow-on Investigation, 1994

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Volatile Organic Compounds (µg/kg)											
VINYL CHLORIDE	16	0	0	--	--	--	10	12	0	0	79
XYLENE (TOTAL)	16	0	0	--	--	--	10	12	0	0	270,000
Semivolatile Organic Compounds (µg/kg)											
1,2,4-TRICHLOROBENZENE	3	0	0	--	--	--	340	390	0	0	650,000
1,2-DICHLOROBENZENE	3	0	0	--	--	--	340	390	0	0	370,000
1,3-DICHLOROBENZENE	3	0	0	--	--	--	340	390	0	0	16,000
1,4-DICHLOROBENZENE	3	0	0	--	--	--	340	390	0	0	3,400
2,2'-OXYBIS(1-CHLOROPROPANE)	3	0	0	--	--	--	340	390	--	--	NA
2,4,5-TRICHLOROPHENOL	3	0	0	--	--	--	820	950	0	0	6,100,000
2,4,6-TRICHLOROPHENOL	3	0	0	--	--	--	340	390	0	0	6,900
2,4-DICHLOROPHENOL	3	0	0	--	--	--	340	390	0	0	180,000
2,4-DIMETHYLPHENOL	3	0	0	--	--	--	340	390	0	0	1,200,000
2,4-DINITROPHENOL	3	0	0	--	--	--	820	950	0	0	120,000
2,4-DINITROTOLUENE	3	0	0	--	--	--	340	390	0	0	120,000
2,6-DINITROTOLUENE	3	0	0	--	--	--	340	390	0	0	61,000
2-CHLORONAPHTHALENE	3	0	0	--	--	--	340	390	--	--	NA
2-CHLOROPHENOL	3	0	0	--	--	--	340	390	0	0	63,000
2-METHYLPHENOL	3	0	0	--	--	--	340	390	--	--	NA
2-NITROANILINE	3	0	0	--	--	--	820	950	0	0	1,700
2-NITROPHENOL	3	0	0	--	--	--	340	390	--	--	NA
3,3'-DICHLOROBENZIDINE	3	0	0	--	--	--	340	390	0	0	1,100
3-NITROANILINE	3	0	0	--	--	--	820	950	--	--	NA
4,6-DINITRO-2-METHYLPHENOL	3	0	0	--	--	--	820	950	--	--	NA
4-BROMOPHENYL-PHENYLETHER	3	0	0	--	--	--	340	390	--	--	NA
4-CHLORO-3-METHYLPHENOL	3	0	0	--	--	--	340	390	--	--	NA
4-CHLOROANILINE	3	0	0	--	--	--	340	390	0	0	240,000
4-CHLOROPHENYL-PHENYLETHER	3	0	0	--	--	--	340	390	--	--	NA
4-METHYLPHENOL	3	0	0	--	--	--	340	390	0	0	310,000
4-NITROANILINE	3	0	0	--	--	--	820	950	--	--	NA
4-NITROPHENOL	3	0	0	--	--	--	820	950	--	--	NA

TABLE 7-5: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

Follow-on Investigation, 1994

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Semivolatile Organic Compounds (µg/kg)											
BIS(2-CHLOROETHOXY)METHANE	3	0	0	--	--	--	340	390	--	--	NA
BIS(2-CHLOROETHYL)ETHER	3	0	0	--	--	--	**340**	**390**	0	3	210
BIS(2-ETHYLHEXYL)PHTHALATE	3	0	0	--	--	--	340	390	0	0	35,000
BUTYLBENZYLPHTHALATE	3	0	0	--	--	--	340	390	0	0	12,000,000
CARBAZOLE	3	0	0	--	--	--	340	390	0	0	24,000
DI-N-BUTYLPHTHALATE	3	0	0	--	--	--	340	390	--	--	NA
DI-N-OCTYLPHTHALATE	3	0	0	--	--	--	340	390	--	--	NA
DIBENZOFURAN	3	0	0	--	--	--	340	390	0	0	290,000
DIETHYLPHTHALATE	3	0	0	--	--	--	340	390	0	0	49,000,000
DIMETHYLPHTHALATE	3	0	0	--	--	--	340	390	0	0	100,000,000
HEXACHLOROBENZENE	3	0	0	--	--	--	**340**	**390**	0	3	300
HEXACHLOROBUTADIENE	3	0	0	--	--	--	340	390	0	0	6,200
HEXACHLOROCYCLOPENTADIENE	3	0	0	--	--	--	340	390	0	0	370,000
HEXACHLOROETHANE	3	0	0	--	--	--	340	390	0	0	35,000
ISOPHORONE	3	0	0	--	--	--	340	390	0	0	510,000
N-NITROSO-DI-N-PROPYLAMINE	3	0	0	--	--	--	**340**	**390**	0	3	69
N-NITROSODIPHENYLAMINE	3	0	0	--	--	--	340	390	0	0	99,000
NITROBENZENE	3	0	0	--	--	--	340	390	0	0	20,000
PENTACHLOROPHENOL	3	0	0	--	--	--	820	950	0	0	3,000
PHENOL	3	0	0	--	--	--	340	390	0	0	37,000,000
Total Petroleum Hydrocarbons (mg/kg)											
DIESEL RANGE ORGANICS	24	0	0	--	--	--	10	54	--	--	NA
GASOLINE RANGE ORGANICS	24	0	0	--	--	--	0.52	0.6	--	--	NA
JP5 RANGE ORGANICS	24	0	0	--	--	--	10	54	--	--	NA
MOTOR OIL RANGE ORGANICS	24	9	38	440	25 J	3,260 J	21	1,010	--	--	NA
Metals (mg/kg)											
ALUMINUM	24	24	100	7,010	3,310	25,900	0	0	0	0	76,000
ANTIMONY	24	1	4	0.61	0.61 J	0.61 J	0.45	1.3	0	0	31.0
ARSENIC	24	23	96	**2.1**	**0.53 J**	**4.4**	**0.53**	**0.53**	23	1	0.39

TABLE 7-5: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

Follow-on Investigation, 1994

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Metals (mg/kg)											
BARIUM	24	24	100	37.7	10.3 J	74 J	0	0	0	0	5,400
BERYLLIUM	24	21	88	0.94	0.22 J	2	0.23	0.28	0	0	150
CADMIUM	24	5	21	0.78	0.12 J	2.4	0.08	0.44	0	0	37.0
CALCIUM	24	24	100	4,760	1,590	28,700	0	0	--	--	NA
CHROMIUM	24	23	96	29.5	5.3	44.7	1.7	1.7	0	0	210
COBALT	24	24	100	5.9	2.8 J	17.1	0	0	0	0	900
COPPER	24	21	88	13.9	4.9 J	60.3 J	3	4.4	0	0	3,100
IRON	24	24	100	11,800	6,430	**32,200**	0	0	1	0	23,000
LEAD	24	19	79	13.8	1.6	74.2	0.34	2.3	0	0	150
MAGNESIUM	24	24	100	3,940	1,780	15,100	0	0	--	--	NA
MANGANESE	24	24	100	187	71.9	558	0	0	0	0	1,800
MERCURY	24	1	4	0.63	0.63	0.63	0.15	0.18	0	0	23.0
MOLYBDENUM	24	0	0	--	--	--	2.8	4.4	0	0	390
NICKEL	24	22	92	29.6	18.8	61.9	3.3	3.3	0	0	1,600
POTASSIUM	24	20	83	674	176 J	1,220	660	845	--	--	NA
SELENIUM	24	0	0	--	--	--	0.53	0.65	0	0	390
SILVER	24	0	0	--	--	--	0.18	1.7	0	0	390
SODIUM	24	20	83	274	96.8 J	1,020 J	84.7	112	--	--	NA
THALLIUM	24	0	0	--	--	--	0.39	0.61	0	0	5.2
VANADIUM	24	24	100	26.6	14.1	82.5	0	0	0	0	550
ZINC	24	24	100	30.4	16.1 J	74.5	0	0	0	0	23,000

TABLE 7-5: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES

Follow-on Investigation, 1994

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

NOTES:

Bold denotes values exceeding the PRG

--	Not detected
J	Estimated value
mg/kg	Milligrams per kilogram
NA	No PRG available
PRG	Preliminary Remediation Goal, U.S. Environmental Protection Agency, Region 9 or Cal-modified (2002)
µg/kg	Micrograms per kilogram

TABLE 7-6: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Follow-on Investigation, 1994

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Volatile Organic Compounds (µg/L)												
1,1,1-TRICHLOROETHANE	25	2	8	4	0.8J	7	1	1	0	0	3,200	200
1,1,2,2-TETRACHLOROETHANE	25	0	0	--	--	--	**1**	**1**	0	25	0.06	1
1,1,2-TRICHLOROETHANE	25	0	0	--	--	--	**1**	**1**	0	25	0.2	5
1,1-DICHLOROETHANE	25	4	16	**3**	2	**3**	1	1	2	0	2	5
1,1-DICHLOROETHENE	25	1	4	1	1	1	1	1	0	0	340	6
1,2-DICHLOROETHANE	25	0	0	--	--	--	**0.5**	**1**	0	25	0.1	0.5
1,2-DICHLOROETHENE (TOTAL)	25	6	24	4	0.8J	20	1	1	0	0	61	NA
1,2-DICHLOROPROPANE	25	0	0	--	--	--	**1**	**1**	0	25	0.2	5
2-BUTANONE	1	0	0	--	--	--	5	5	--	--	NA	NA
2-HEXANONE	25	1	4	2	2J	2J	2	2	--	--	NA	NA
4-METHYL-2-PENTANONE	25	1	4	2	2J	2J	2	2	--	--	NA	NA
ACETONE	3	0	0	--	--	--	4	6	0	0	610	NA
BENZENE	25	5	20	**2**	**0.9**	**2**	**0.5**	**1**	5	20	0.3	1
BROMODICHLOROMETHANE	25	0	0	--	--	--	**1**	**1**	0	25	0.2	80
BROMOFORM	25	0	0	--	--	--	1	1	0	0	9	80
BROMOMETHANE	25	0	0	--	--	--	1	2	0	0	9	NA
CARBON DISULFIDE	25	0	0	--	--	--	1	1	0	0	1,000	NA
CARBON TETRACHLORIDE	25	0	0	--	--	--	**0.5**	**0.5**	0	25	0.2	0.5
CHLOROBENZENE	25	0	0	--	--	--	1	1	0	0	110	70
CHLOROETHANE	25	0	0	--	--	--	2	2	0	0	5	NA
CHLOROFORM	25	0	0	--	--	--	**1**	**1**	0	25	0.5	80
CHLOROMETHANE	25	0	0	--	--	--	**2**	**2**	0	25	2	NA
CIS-1,3-DICHLOROPROPENE	25	0	0	--	--	--	**0.5**	**0.5**	0	25	0.4	0.5
DIBROMOCHLOROMETHANE	25	0	0	--	--	--	**1**	**1**	0	25	0.1	80
ETHYLBENZENE	25	0	0	--	--	--	1	1	0	0	3	300
METHYLENE CHLORIDE	25	0	0	--	--	--	1	1	0	0	4	NA
STYRENE	25	0	0	--	--	--	1	1	0	0	1,600	100
TETRACHLOROETHENE	25	0	0	--	--	--	**1**	**1**	0	25	0.7	5
TOLUENE	25	0	0	--	--	--	1	1	0	0	720	150
TRANS-1,3-DICHLOROPROPENE	25	0	0	--	--	--	**0.5**	**0.5**	0	25	0.4	0.5
TRICHLOROETHENE	25	5	20	**8**	**0.8J**	**36**	**1**	**1**	5	20	0.03	5

TABLE 7-6: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Follow-on Investigation, 1994

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Volatile Organic Compounds (µg/L)												
VINYL CHLORIDE	25	4	16	**0.8**	**0.6**	**1**	**0.5**	**0.5**	4	21	0.02	0.5
XYLENE (TOTAL)	25	2	8	0.9	0.8J	1	1	1	0	0	210	1,800
Semivolatile Organic Compounds (µg/L)												
1,2,4-TRICHLOROBENZENE	20	0	0	--	--	--	10	10	0	0	190	5
1,2-DICHLOROBENZENE	20	0	0	--	--	--	5	5	0	0	370	600
1,3-DICHLOROBENZENE	20	0	0	--	--	--	5	5	0	0	6	NA
1,4-DICHLOROBENZENE	20	0	0	--	--	--	**5**	**5**	0	20	0.5	5
2,2'-OXYBIS(1-CHLOROPROPANE)	20	0	0	--	--	--	10	10	--	--	NA	NA
2,4,5-TRICHLOROPHENOL	20	0	0	--	--	--	25	25	0	0	3,600	50
2,4,6-TRICHLOROPHENOL	20	0	0	--	--	--	**10**	**10**	0	20	1	NA
2,4-DICHLOROPHENOL	20	0	0	--	--	--	10	10	0	0	110	NA
2,4-DIMETHYLPHENOL	20	0	0	--	--	--	10	10	0	0	730	NA
2,4-DINITROPHENOL	16	0	0	--	--	--	25	25	0	0	73	NA
2,4-DINITROTOLUENE	20	0	0	--	--	--	10	10	0	0	73	NA
2,6-DINITROTOLUENE	20	0	0	--	--	--	10	10	0	0	36	NA
2-CHLORONAPHTHALENE	20	0	0	--	--	--	10	10	--	--	NA	NA
2-CHLOROPHENOL	20	0	0	--	--	--	10	10	0	0	30	NA
2-METHYLNAPHTHALENE	20	0	0	--	--	--	10	10	--	--	NA	NA
2-METHYLPHENOL	20	0	0	--	--	--	10	10	0	0	1,800	NA
2-NITROANILINE	20	0	0	--	--	--	**25**	**25**	0	20	1	NA
2-NITROPHENOL	20	0	0	--	--	--	10	10	--	--	NA	NA
3,3'-DICHLOROBENZIDINE	20	0	0	--	--	--	**10**	**10**	0	20	0.2	NA
3-NITROANILINE	20	0	0	--	--	--	25	25	--	--	NA	NA
4,6-DINITRO-2-METHYLPHENOL	20	0	0	--	--	--	25	25	--	--	NA	NA
4-BROMOPHENYL-PHENYLETHER	20	0	0	--	--	--	10	10	--	--	NA	NA
4-CHLORO-3-METHYLPHENOL	20	0	0	--	--	--	10	10	--	--	NA	NA
4-CHLOROANILINE	20	0	0	--	--	--	10	10	0	0	150	NA
4-CHLOROPHENYL-PHENYLETHER	20	0	0	--	--	--	10	10	--	--	NA	NA
4-METHYLPHENOL	20	1	5	5	5J	5J	10	10	0	0	180	NA
4-NITROANILINE	20	0	0	--	--	--	25	25	--	--	NA	NA

TABLE 7-6: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Follow-on Investigation, 1994

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Semivolatile Organic Compounds (µg/L)												
4-NITROPHENOL	20	0	0	--	--	--	25	25	--	--	NA	NA
ACENAPHTHENE	20	3	15	0.8	0.6J	1J	10	10	0	0	370	NA
ACENAPHTHYLENE	20	0	0	--	--	--	10	10	--	--	NA	NA
ANTHRACENE	20	0	0	--	--	--	10	10	0	0	1,800	NA
BENZO(A)ANTHRACENE	20	0	0	--	--	--	**10**	**10**	0	20	0.09	0.1
BENZO(A)PYRENE	20	0	0	--	--	--	**10**	**10**	0	20	0.009	0.2
BENZO(B)FLUORANTHENE	20	0	0	--	--	--	**10**	**10**	0	20	0.09	NA
BENZO(G,H,I)PERYLENE	20	0	0	--	--	--	10	10	--	--	NA	NA
BENZO(K)FLUORANTHENE	20	0	0	--	--	--	**10**	**10**	0	20	0.06	NA
BIS(2-CHLOROETHOXY)METHANE	20	0	0	--	--	--	10	10	--	--	NA	NA
BIS(2-CHLOROETHYL)ETHER	20	1	5	**0.5**	**0.5J**	**0.5J**	**10**	**10**	1	19	0.01	NA
BIS(2-ETHYLHEXYL)PHTHALATE	20	0	0	--	--	--	4	**7**	0	1	5	NA
BUTYLBENZYLPHTHALATE	20	0	0	--	--	--	10	10	0	0	7,300	NA
CARBAZOLE	20	0	0	--	--	--	**10**	**10**	0	20	3	NA
CHRYSENE	20	0	0	--	--	--	**10**	**10**	0	20	0.6	NA
DI-N-BUTYLPHTHALATE	20	0	0	--	--	--	10	10	--	--	NA	NA
DI-N-OCTYLPHTHALATE	20	0	0	--	--	--	10	10	--	--	NA	NA
DIBENZO(A,H)ANTHRACENE	20	0	0	--	--	--	**10**	**10**	0	20	0.009	NA
DIBENZOFURAN	20	0	0	--	--	--	10	10	0	0	24	NA
DIETHYLPHTHALATE	20	0	0	--	--	--	10	10	0	0	29,000	NA
DIMETHYLPHTHALATE	20	0	0	--	--	--	10	26	0	0	360,000	NA
FLUORANTHENE	20	0	0	--	--	--	10	10	0	0	1,500	NA
FLUORENE	20	0	0	--	--	--	10	10	0	0	240	NA
HEXACHLOROBENZENE	20	0	0	--	--	--	**10**	**10**	0	20	0.04	1
HEXACHLOROBUTADIENE	20	0	0	--	--	--	**10**	**10**	0	20	0.9	NA
HEXACHLOROCYCLOPENTADIENE	20	0	0	--	--	--	10	10	0	0	220	NA
HEXACHLOROETHANE	20	0	0	--	--	--	**10**	**10**	0	20	5	NA
INDENO(1,2,3-CD)PYRENE	20	0	0	--	--	--	**10**	**10**	0	20	0.09	NA
ISOPHORONE	20	0	0	--	--	--	10	10	0	0	71	NA
N-NITROSO-DI-N-PROPYLAMINE	20	0	0	--	--	--	**10**	**10**	0	20	0.01	NA
N-NITROSODIPHENYLAMINE	20	0	0	--	--	--	10	10	0	0	14	NA

TABLE 7-6: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Follow-on Investigation, 1994

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Semivolatile Organic Compounds (µg/L)												
NAPHTHALENE	20	0	0	--	--	--	**10**	**10**	0	20	6	NA
NITROBENZENE	20	0	0	--	--	--	**10**	**10**	0	20	3	NA
PENTACHLOROPHENOL	20	0	0	--	--	--	**25**	**25**	0	20	0.6	1
PHENANTHRENE	20	0	0	--	--	--	10	10	--	--	NA	NA
PHENOL	20	0	0	--	--	--	10	10	0	0	22,000	NA
PYRENE	20	2	10	0.9	0.7J	1J	10	10	0	0	180	NA
PCBs/Pesticides (µg/L)												
4,4'-DDD	20	0	0	--	--	--	0.1	0.1	0	0	0.3	NA
4,4'-DDE	20	0	0	--	--	--	0.1	0.1	0	0	0.2	NA
4,4'-DDT	20	0	0	--	--	--	0.1	0.1	0	0	0.2	NA
ALDRIN	20	0	0	--	--	--	**0.05**	**0.05**	0	20	0.004	NA
ALPHA-BHC	20	0	0	--	--	--	0.05	0.05	--	--	NA	NA
ALPHA-CHLORDANE	20	0	0	--	--	--	0.05	0.05	0	0	0.2	NA
AROCLOR-1016	20	0	0	--	--	--	0.5	0.5	0	0	1	NA
AROCLOR-1221	20	0	0	--	--	--	**0.5**	**0.5**	0	20	0.03	NA
AROCLOR-1232	20	0	0	--	--	--	**0.5**	**0.5**	0	20	0.03	NA
AROCLOR-1242	20	0	0	--	--	--	**0.5**	**0.5**	0	20	0.03	NA
AROCLOR-1248	20	0	0	--	--	--	**0.5**	**0.5**	0	20	0.03	NA
AROCLOR-1254	20	0	0	--	--	--	**0.5**	**0.5**	0	20	0.03	NA
AROCLOR-1260	20	0	0	--	--	--	**0.5**	**0.5**	0	20	0.03	NA
BETA-BHC	20	0	0	--	--	--	0.05	0.05	--	--	NA	NA
DELTA-BHC	20	0	0	--	--	--	0.05	0.05	--	--	NA	NA
DIELDRIN	20	0	0	--	--	--	**0.1**	**0.1**	0	20	0.004	NA
ENDOSULFAN I	20	0	0	--	--	--	0.05	0.05	0	0	220	NA
ENDOSULFAN II	20	0	0	--	--	--	0.1	0.1	--	--	NA	NA
ENDOSULFAN SULFATE	20	0	0	--	--	--	0.1	0.1	--	--	NA	NA
ENDRIN	20	0	0	--	--	--	0.1	0.1	0	0	11	2
ENDRIN ALDEHYDE	20	0	0	--	--	--	0.1	0.1	--	--	NA	NA
ENDRIN KETONE	20	0	0	--	--	--	0.1	0.1	--	--	NA	NA
GAMMA-BHC (LINDANE)	20	0	0	--	--	--	0.05	0.05	--	--	NA	NA

TABLE 7-6: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Follow-on Investigation, 1994

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
PCBs/Pesticides (µg/L)												
GAMMA-CHLORDANE	20	0	0	--	--	--	0.05	0.05	0	0	0.2	NA
HEPTACHLOR	20	0	0	--	--	--	**0.05**	**0.05**	0	20	0.02	0.01
HEPTACHLOR EPOXIDE	20	0	0	--	--	--	**0.01**	**0.01**	0	20	0.007	0.01
METHOXYCHLOR	20	0	0	--	--	--	0.5	0.5	0	0	180	30
TOXAPHENE	20	0	0	--	--	--	**3**	**3**	0	20	0.06	3
Total Petroleum Hydrocarbons (mg/L)												
DIESEL RANGE ORGANICS	25	11	44	1	0.35J	2.4J	0.1	0.1	--	--	NA	NA
GASOLINE RANGE ORGANICS	25	4	16	0.1	0.078J	0.14J	0.05	0.05	--	--	NA	NA
JP5 RANGE ORGANICS	25	0	0	--	--	--	0.1	0.1	--	--	NA	NA
MOTOR OIL RANGE ORGANICS	25	9	36	1	0.26J	1.91J	0.2	0.5	--	--	NA	NA
Metals (µg/L)												
Filtered												
ALUMINUM	25	2	8	235	54.2J	415J	9.1	841	0	0	36,000	NA
ANTIMONY	25	5	20	7.1	2.6J	**20.8J**	2.2	**33.6**	1	3	15.0	6.0
ARSENIC	25	12	48	**17.3**	**3.5J**	**105J**	**2.8**	**50**	12	13	0.045	10.0
BARIUM	25	23	92	168	23.8J	825	33.3	39.6	0	0	2,600	1,000
BERYLLIUM	25	1	4	1.4	1.4J	1.4J	0.1	4.4	0	0	73.0	4.0
CADMIUM	25	5	20	4.0	0.34J	9.6J	0.3	1.8	0	0	18.0	5.0
CALCIUM	25	25	100	157,000	7,080J	736,000	0	0	--	--	NA	NA
CHROMIUM	25	6	24	13.4	1.6J	50.8	0.6	16	0	0	55,000	50.0
COBALT	25	2	8	43.9	41.7J	46.1J	3.8	26.4	0	0	730	NA
COPPER	25	2	8	92.2	24.4J	160J	2.2	74.2	0	0	1,500	1,300
IRON	25	15	60	914	291	5,340	6.4	197	0	0	11,000	NA
LEAD	25	1	4	3.8	3.8	3.8	1	10	--	--	NA	15.0
MAGNESIUM	25	25	100	201,000	3,920J	1,430,000	0	0	--	--	NA	NA
MANGANESE	25	25	100	2,770	13J	**22,200**	0	0	7	0	880	NA
MERCURY	25	0	0	--	--	--	0.2	0.2	0	0	11.0	2.0
MOLYBDENUM	25	0	0	--	--	--	7.9	56	0	0	180	NA
NICKEL	25	4	16	28.1	11.2J	52.7J	7.5	65.2	0	0	730	100
POTASSIUM	25	25	100	38,400	3,950J	153,000	0	0	--	--	NA	NA

TABLE 7-6: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Follow-on Investigation, 1994

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	*Average of* Detected Concentration	*Minimum* Detected Concentration	*Maximum* Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Metals (µg/L)												
Filtered												
SELENIUM	25	0	0	--	--	--	2.4	27	0	0	180	50.0
SILVER	25	0	0	--	--	--	0.9	20	0	0	180	NA
SODIUM	25	25	100	1,750,000	56,100 J	11,800,000	0	0	--	--	NA	NA
THALLIUM	25	1	4	**3.8**	**3.8 J**	**3.8J**	2	**38**	1	18	2.4	2.0
VANADIUM	25	4	16	53.9	7.9 J	119	3.7	13.3	0	0	260	NA
ZINC	25	5	20	139	9 J	641	5	39.3	0	0	11,000	NA

TABLE 7-6: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Follow-on Investigation, 1994

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

NOTES:

Bold denotes values exceeding the PRG

--	Not detected
BHC	Benzene Hexachloride
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
J	Estimated value
MCL	Maximum Contaminant Level
mg/L	Milligrams per liter
NA	No criteria available
PCB	Polychlorinated biphenyl
PRG	Preliminary Remediation Goal, U.S. Environmental Protection Agency, Region 9 or CAL-modified (2002)
µg/L	Micrograms per liter

TABLE 7-7: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Follow-on Investigation, 1998

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Volatile Organic Compounds (µg/L)												
1,1,1-TRICHLOROETHANE	45	1	2	2	2	2	0.5	10	0	0	3,200	200
1,1,2,2-TETRACHLOROETHANE	16	0	0	--	--	--	**1**	**10**	0	16	0.06	1
1,1,2-TRICHLOROETHANE	16	0	0	--	--	--	**1**	**10**	0	16	0.2	5
1,1-DICHLOROETHANE	16	4	25	**3**	2J	**4**	1	**10**	1	1	2	5
1,1-DICHLOROETHENE	45	7	16	7	1.9	25	0.5	2	0	0	340	6
1,2,4-TRICHLOROBENZENE	12	0	0	--	--	--	1	1	0	0	190	5
1,2-DIBROMO-3-CHLOROPROPANE	12	0	0	--	--	--	**1**	**1**	0	12	0.002	0.2
1,2-DICHLOROBENZENE	12	0	0	--	--	--	1	1	0	0	370	600
1,2-DICHLOROETHANE	45	0	0	--	--	--	**0.5**	**3**	0	45	0.1	0.5
1,2-DICHLOROETHENE (TOTAL)	4	2	50	1,100	**70**	**2,200**	2	2	2	0	61	NA
1,2-DICHLOROPROPANE	16	0	0	--	--	--	**1**	**10**	0	16	0.2	5
1,3-DICHLOROBENZENE	12	0	0	--	--	--	1	1	0	0	.6	NA
1,4-DICHLOROBENZENE	12	0	0	--	--	--	**1**	**1**	0	12	0.5	5
2-BUTANONE	7	0	0	--	--	--	2	15	--	--	NA	NA
2-HEXANONE	12	0	0	--	--	--	2	15	--	--	NA	NA
4-METHYL-2-PENTANONE	16	0	0	--	--	--	2	10	--	--	NA	NA
ACETONE	4	0	0	--	--	--	2	15	0	0	610	NA
BENZENE	45	5	11	**2**	**1**	**3.6**	**0.5**	**0.5**	5	40	0.3	1
BROMOCHLOROMETHANE	12	0	0	--	--	--	1	1	--	--	NA	NA
BROMODICHLOROMETHANE	16	0	0	--	--	--	**1**	**10**	0	16	0.2	80
BROMOFORM	16	0	0	--	--	--	1	**10**	0	1	9	80
BROMOMETHANE	16	0	0	--	--	--	1	**10**	0	1	9	NA
CARBON DISULFIDE	16	1	6	0.4	0.4J	0.4J	1	10	0	0	1,000	NA
CARBON TETRACHLORIDE	16	0	0	--	--	--	**0.5**	**3**	0	16	0.2	0.5
CHLOROBENZENE	16	0	0	--	--	--	1	10	0	0	110	70
CHLOROETHANE	45	0	0	--	--	--	0.5	**10**	0	1	5	NA
CHLOROFORM	16	0	0	--	--	--	**1**	**10**	0	16	0.5	80
CHLOROMETHANE	16	0	0	--	--	--	1	**10**	0	4	2	NA
CIS-1,2-DICHLOROETHENE	41	12	29	**120**	0.8	**670**	0.5	4	3	0	61	6
CIS-1,3-DICHLOROPROPENE	16	0	0	--	--	--	**0.5**	**3**	0	16	0.4	0.5
DIBROMOCHLOROMETHANE	16	0	0	--	--	--	**1**	**10**	0	16	0.1	80

TABLE 7-7: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Follow-on Investigation, 1998

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Volatile Organic Compounds (µg/L)												
ETHYLBENZENE	45	1	2	1	1.2	1.2	0.5	**10**	0	1	3	300
ETHYLENE DIBROMIDE	12	0	0	--	--	--	1	1	--	--	NA	0.05
METHYLENE CHLORIDE	16	0	0	--	--	--	2	**10**	0	1	4	NA
STYRENE	16	0	0	--	--	--	1	10	0	0	1,600	100
TETRACHLOROETHENE	45	0	0	--	--	--	0.5	**10**	0	16	0.7	5
TOLUENE	45	13	29	1	0.4J	2.7	0.5	2	0	0	720	150
TRANS-1,2-DICHLOROETHENE	41	9	22	**220**	0.6	**990**	0.5	1	3	0	120	10
TRANS-1,3-DICHLOROPROPENE	16	0	0	--	--	--	**0.5**	**3**	0	16	0.4	0.5
TRICHLOROETHENE	45	15	33	**110**	**1J**	**550**	**0.5**	**2**	15	30	0.03	5
VINYL CHLORIDE	45	11	24	**26**	**0.6**	**91**	**0.5**	**0.5**	11	34	0.02	0.5
XYLENE (TOTAL)	45	0	0	--	--	--	0.5	10	0	0	210	1,800
Metals (µg/L)												
Filtered												
ALUMINUM	12	1	8	216	216	216	7.4	91.7	0	0	36,000	NA
ANTIMONY	12	0	0	--	--	--	0.65	4.4	0	0	15.0	6.0
ARSENIC	12	4	33	**4.2**	**1.7J**	**7.9**	**0.8**	**9.3**	4	8	0.045	10.0
BARIUM	12	12	100	200	49.6J	422	0	0	0	0	2,600	1,000
BERYLLIUM	12	0	0	--	--	--	0.1	0.2	0	0	73.0	4.0
CADMIUM	12	2	17	0.94	0.78J	1.1J	0.15	0.4	0	0	18.0	5.0
CALCIUM	12	12	100	72,000	39,700	150,000	0	0	--	--	NA	NA
CHROMIUM	12	2	17	0.80	0.4J	1.2J	0.35	1.3	0	0	55,000	50.0
COBALT	12	4	33	1.4	0.4J	3J	0.25	2.2	0	0	730	NA
COPPER	12	1	8	12.2	12.2J	12.2J	0.35	9.1	0	0	1,500	1,300
IRON	12	6	50	1,160	209	2,480	8.3	123	0	0	11,000	NA
LEAD	12	0	0	--	--	--	0.5	1.7	--	--	NA	15.0
MAGNESIUM	12	12	100	47,400	32,600	114,000	0	0	--	--	NA	NA
MANGANESE	12	11	92	541	26.6	**1,420**	0.86	0.86	1	0	880	NA
MERCURY	12	0	0	--	--	--	0.1	0.1	0	0	11.0	2.0
MOLYBDENUM	12	9	75	2.6	1.2J	3.5J	1.2	1.8	0	0	180	NA
NICKEL	12	7	58	13.6	3.6J	38	1.7	19.4	0	0	730	100
POTASSIUM	12	12	100	44,300	13,100J	112,000J	0	0	--	--	NA	NA

TABLE 7-7: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Follow-on Investigation, 1998

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Metals (µg/L)												
Filtered												
SELENIUM	12	2	17	1.2	1.1J	1.3J	0.8	2.2	0	0	180	50.0
SILVER	12	0	0	--	--	--	0.15	0.7	0	0	180	NA
SODIUM	12	12	100	379,000	35,100	1,250,000J	0	0	--	--	NA	NA
THALLIUM	12	0	0	--	--	--	1.1	1.4	0	0	2.4	2.0
VANADIUM	12	1	8	2.2	2.2J	2.2J	0.49	2.8	0	0	260	NA
ZINC	12	7	58	50.4	9J	106	3	8.2	0	0	11,000	NA

TABLE 7-7: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Follow-on Investigation, 1998

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

NOTES:

Bold denotes values exceeding the PRG

--	Not detected
J	Estimated value
MCL	Maximum Contaminant Level
NA	No criteria available
PRG	Preliminary Remediation Goal, U.S. Environmental Protection Agency, Region 9 or CAL-modified (2002)
µg/L	Micrograms per liter

TABLE 7-8: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES

Supplemental Remedial Investigation Data Gap Sampling, 2001

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Volatile Organic Compounds (µg/kg)											
1,1,1,2-TETRACHLOROETHANE	1	0	0	--	--	--	2	2	--	--	NA
1,1,1-TRICHLOROETHANE	1	0	0	--	--	--	2	2	0	0	1,200,000
1,1,2,2-TETRACHLOROETHANE	1	0	0	--	--	--	2	2	0	0	410
1,1,2-TRICHLOROETHANE	1	0	0	--	--	--	2	2	0	0	730
1,1-DICHLOROETHANE	1	0	0	--	--	--	2	2	0	0	2,800
1,1-DICHLOROETHENE	1	0	0	--	--	--	2	2	0	0	120,000
1,2-DICHLOROBENZENE	1	0	0	--	--	--	2	2	0	0	370,000
1,2-DICHLOROETHANE	1	0	0	--	--	--	2	2	0	0	280
1,3-DICHLOROBENZENE	1	0	0	--	--	--	2	2	0	0	16,000
1,4-DICHLOROBENZENE	1	0	0	--	--	--	2	2	0	0	3,400
BENZENE	1	0	0	--	--	--	2	2	0	0	600
CHLOROBENZENE	1	0	0	--	--	--	2	2	0	0	150,000
CHLOROETHANE	1	0	0	--	--	--	2	2	0	0	3,000
CHLOROMETHANE	1	0	0	--	--	--	2	2	0	0	1,200
CIS-1,2-DICHLOROETHENE	1	0	0	--	--	--	2	2	0	0	43,000
ETHYLBENZENE	1	0	0	--	--	--	2	2	0	0	8,900
M,P-XYLENE	1	0	0	--	--	--	2	2	0	0	270,000
METHYL-T-BUTYL ETHER	1	0	0	--	--	--	2	2	0	0	17,000
METHYLENE CHLORIDE	1	0	0	--	--	--	2	2	0	0	9,100
NAPHTHALENE	1	0	0	--	--	--	2	2	0	0	56,000
O-XYLENE	1	0	0	--	--	--	2	2	0	0	270,000
TETRACHLOROETHENE	1	0	0	--	--	--	2	2	0	0	1,500
TOLUENE	1	0	0	--	--	--	2	2	0	0	520,000
TRANS-1,2-DICHLOROETHENE	1	0	0	--	--	--	2	2	0	0	69,000
TRICHLOROETHENE	1	0	0	--	--	--	2	2	0	0	53
VINYL CHLORIDE	1	0	0	--	--	--	2	2	0	0	79
Total Petroleum Hydrocarbons (mg/kg)											
DIESEL RANGE ORGANICS	1	1	100	18	18	18	0	0	--	--	NA
GASOLINE RANGE ORGANICS	1	0	0	--	--	--	0.1	0.1	--	--	NA
MOTOR OIL RANGE ORGANICS	1	0	0	--	--	--	10	10	--	--	NA

TABLE 7-8: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES

Supplemental Remedial Investigation Data Gap Sampling, 2001

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

NOTES:

Bold denotes values exceeding the PRG

--	Not detected
mg/kg	Milligrams per kilogram
NA	No PRG available
PRG	Preliminary Remediation Goal, U.S. Environmental Protection Agency, Region 9 or Cal-modified (2002)
µg/kg	Micrograms per kilogram

TABLE 7-9: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Supplemental Remedial Investigation Data Gap Sampling, 2001

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Volatile Organic Compounds (µg/L)												
1,1,1,2-TETRACHLOROETHANE	10	0	0	--	--	--	**1**	**1**	0	10	0.4	NA
1,1,1-TRICHLOROETHANE	20	0	0	--	--	--	1	2	0	0	3,200	200
1,1,2,2-TETRACHLOROETHANE	20	0	0	--	--	--	**1**	**1**	0	20	0.06	1
1,1,2-TRICHLOROETHANE	20	1	5	**2**	**1.6**	**1.6**	**1**	**2**	1	19	0.2	5
1,1-DICHLOROETHANE	20	2	10	0.8	0.5	1	0.5	1	0	0	2	5
1,1-DICHLOROETHENE	20	2	10	2	1.4	2.7	1	2	0	0	340	6
1,2-DICHLOROBENZENE	20	0	0	--	--	--	1	2	0	0	370	600
1,2-DICHLOROETHANE	20	0	0	--	--	--	**0.5**	**1**	0	20	0.1	0.5
1,2-DICHLOROETHENE (TOTAL)	10	3	30	7	0.4J	16J	2	2	0	0	61	NA
1,2-DICHLOROPROPANE	10	0	0	--	--	--	**2**	**2**	0	10	0.2	5
1,3-DICHLOROBENZENE	20	0	0	--	--	--	1	2	0	0	6	NA
1,4-DICHLOROBENZENE	20	0	0	--	--	--	**1**	**2**	0	20	0.5	5
2-BUTANONE	10	0	0	--	--	--	2	2	--	--	NA	NA
2-HEXANONE	10	0	0	--	--	--	2	2	--	--	NA	NA
4-METHYL-2-PENTANONE	10	0	0	--	--	--	2	2	--	--	NA	NA
ACETONE	10	0	0	--	--	--	3	3	0	0	610	NA
BENZENE	20	1	5	**2**	**1.9**	**1.9**	**0.5**	**1**	1	19	0.3	1
BROMODICHLOROMETHANE	10	0	0	--	--	--	**2**	**2**	0	10	0.2	80
BROMOFORM	10	0	0	--	--	--	2	2	0	0	9	80
BROMOMETHANE	10	0	0	--	--	--	2	2	0	0	9	NA
CARBON DISULFIDE	10	0	0	--	--	--	2	2	0	0	1,000	NA
CARBON TETRACHLORIDE	10	0	0	--	--	--	**0.5**	**0.5**	0	10	0.2	0.5
CHLOROBENZENE	20	0	0	--	--	--	1	2	0	0	110	70
CHLOROETHANE	20	0	0	--	--	--	1	2	0	0	5	NA
CHLOROFORM	10	0	0	--	--	--	**2**	**2**	0	10	0.5	80
CHLOROMETHANE	20	0	0	--	--	--	1	**2**	0	10	2	NA
CIS-1,2-DICHLOROETHENE	10	2	20	23	19	27	1	1	0	0	61	6
CIS-1,3-DICHLOROPROPENE	10	0	0	--	--	--	**0.5**	**0.5**	0	10	0.4	0.5
DIBROMOCHLOROMETHANE	10	0	0	--	--	--	**2**	**2**	0	10	0.1	80
ETHYLBENZENE	20	0	0	--	--	--	1	2	0	0	3	300
M,P-XYLENE	10	1	10	2	1.7	1.7	1	1	0	0	210	NA

TABLE 7-9: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Supplemental Remedial Investigation Data Gap Sampling, 2001

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Volatile Organic Compounds (µg/L)												
METHYL-T-BUTYL ETHER	20	0	0	--	--	--	1	5	0	0	6	13
METHYLENE CHLORIDE	20	0	0	--	--	--	1	2	0	0	4	NA
NAPHTHALENE	10	1	10	3	3.4	3.4	1	1	0	0	6	NA
O-XYLENE	10	0	0	--	--	--	1	1	0	0	210	NA
STYRENE	10	0	0	--	--	--	2	2	0	0	1,600	100
TETRACHLOROETHENE	20	1	5	**4**	**3.6**	**3.6**	**1**	**2**	1	19	0.7	5
TOLUENE	20	2	10	2	1.3	3.1	1	2	0	0	720	150
TRANS-1,2-DICHLOROETHENE	10	1	10	4	3.8	3.8	1	1	0	0	120	10
TRANS-1,3-DICHLOROPROPENE	10	0	0	--	--	--	**0.5**	**0.5**	0	10	0.4	0.5
TRICHLOROETHENE	20	6	30	**5,500**	**0.4J**	**33,000**	**1**	**2**	6	14	0.03	5
VINYL CHLORIDE	20	5	25	**0.9**	**0.7J**	**1**	**0.5**	**1**	5	15	0.02	0.5
XYLENE (TOTAL)	10	0	0	--	--	--	2	2	0	0	210	1,800
Semivolatile Organic Compounds (µg/L)												
1,2,4-TRICHLOROBENZENE	15	0	0	--	--	--	10	10	0	0	190	5
1,2-DICHLOROBENZENE	15	0	0	--	--	--	5	5	0	0	370	600
1,3-DICHLOROBENZENE	15	0	0	--	--	--	5	5	0	0	6	NA
1,4-DICHLOROBENZENE	15	0	0	--	--	--	**5**	**5**	0	15	0.5	5
2,2'-OXYBIS(1-CHLOROPROPANE)	15	0	0	--	--	--	10	10	--	--	NA	NA
2,4,5-TRICHLOROPHENOL	15	0	0	--	--	--	25	25	0	0	3,600	50
2,4,6-TRICHLOROPHENOL	15	0	0	--	--	--	**10**	**10**	0	15	1	NA
2,4-DICHLOROPHENOL	15	0	0	--	--	--	10	10	0	0	110	NA
2,4-DIMETHYLPHENOL	15	0	0	--	--	--	10	10	0	0	730	NA
2,4-DINITROPHENOL	15	0	0	--	--	--	25	50	0	0	73	NA
2,4-DINITROTOLUENE	15	0	0	--	--	--	10	10	0	0	73	NA
2,6-DINITROTOLUENE	15	0	0	--	--	--	10	10	0	0	36	NA
2-CHLORONAPHTHALENE	15	0	0	--	--	--	10	10	--	--	NA	NA
2-CHLOROPHENOL	15	0	0	--	--	--	10	10	0	0	30	NA
2-METHYLNAPHTHALENE	15	0	0	--	--	--	10	10	--	--	NA	NA
2-METHYLPHENOL	15	0	0	--	--	--	10	10	0	0	1,800	NA
2-NITROANILINE	15	0	0	--	--	--	**25**	**25**	0	15	1	NA

TABLE 7-9: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Supplemental Remedial Investigation Data Gap Sampling, 2001

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Semivolatile Organic Compounds (µg/L)												
2-NITROPHENOL	15	0	0	--	--	--	10	10	--	--	NA	NA
3,3'-DICHLOROBENZIDINE	15	0	0	--	--	--	**12**	**14**	0	15	0.2	NA
3-NITROANILINE	15	0	0	--	--	--	25	25	--	--	NA	NA
4,6-DINITRO-2-METHYLPHENOL	15	0	0	--	--	--	25	25	--	--	NA	NA
4-BROMOPHENYL-PHENYLETHER	15	0	0	--	--	--	10	10	--	--	NA	NA
4-CHLORO-3-METHYLPHENOL	15	0	0	--	--	--	10	10	--	--	NA	NA
4-CHLOROANILINE	15	0	0	--	--	--	15	17	0	0	150	NA
4-CHLOROPHENYL-PHENYLETHER	15	0	0	--	--	--	10	10	--	--	NA	NA
4-METHYLPHENOL	15	0	0	--	--	--	10	10	0	0	180	NA
4-NITROANILINE	15	0	0	--	--	--	25	25	--	--	NA	NA
4-NITROPHENOL	15	0	0	--	--	--	25	25	--	--	NA	NA
ACENAPHTHENE	15	0	0	--	--	--	10	10	0	0	370	NA
ACENAPHTHYLENE	15	0	0	--	--	--	10	10	--	--	NA	NA
ANTHRACENE	15	0	0	--	--	--	10	10	0	0	1,800	NA
BENZO(A)ANTHRACENE	15	0	0	--	--	--	**10**	**10**	0	15	0.09	0.1
BENZO(A)PYRENE	15	0	0	--	--	--	**0.99**	**1.4**	0	15	0.009	0.2
BENZO(B)FLUORANTHENE	15	0	0	--	--	--	**10**	**10**	0	15	0.09	NA
BENZO(G,H,I)PERYLENE	15	0	0	--	--	--	10	10	--	--	NA	NA
BENZO(K)FLUORANTHENE	15	0	0	--	--	--	**10**	**10**	0	15	0.06	NA
BIS(2-CHLOROETHOXY)METHANE	15	0	0	--	--	--	10	10	--	--	NA	NA
BIS(2-CHLOROETHYL)ETHER	15	0	0	--	--	--	**10**	**10**	0	15	0.01	NA
BIS(2-ETHYLHEXYL)PHTHALATE	15	0	0	--	--	--	4	4	0	0	5	NA
BUTYLBENZYLPHTHALATE	15	0	0	--	--	--	10	10	0	0	7,300	NA
CARBAZOLE	15	0	0	--	--	--	**10**	**10**	0	15	3	NA
CHRYSENE	15	0	0	--	--	--	**10**	**10**	0	15	0.6	NA
DI-N-BUTYLPHTHALATE	15	0	0	--	--	--	10	10	--	--	NA	NA
DI-N-OCTYLPHTHALATE	15	0	0	--	--	--	10	10	--	--	NA	NA
DIBENZO(A,H)ANTHRACENE	15	0	0	--	--	--	**20**	**20**	0	15	0.009	NA
DIBENZOFURAN	15	0	0	--	--	--	10	10	0	0	24	NA
DIETHYLPHTHALATE	15	0	0	--	--	--	10	10	0	0	29,000	NA
DIMETHYLPHTHALATE	15	0	0	--	--	--	10	10	0	0	360,000	NA

TABLE 7-9: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Supplemental Remedial Investigation Data Gap Sampling, 2001

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Semivolatile Organic Compounds (µg/L)												
FLUORANTHENE	15	0	0	--	--	--	10	10	0	0	1,500	NA
FLUORENE	15	0	0	--	--	--	10	10	0	0	240	NA
HEXACHLOROBENZENE	15	0	0	--	--	--	**10**	**10**	0	15	0.04	1
HEXACHLOROBUTADIENE	15	0	0	--	--	--	**10**	**10**	0	15	0.9	NA
HEXACHLOROCYCLOPENTADIENE	15	0	0	--	--	--	11	11	0	0	220	NA
HEXACHLOROETHANE	15	0	0	--	--	--	**10**	**10**	0	15	5	NA
INDENO(1,2,3-CD)PYRENE	15	0	0	--	--	--	**10**	**10**	0	15	0.09	NA
ISOPHORONE	15	0	0	--	--	--	10	10	0	0	71	NA
N-NITROSO-DI-N-PROPYLAMINE	15	0	0	--	--	--	**10**	**10**	0	15	0.01	NA
N-NITROSODIPHENYLAMINE	15	0	0	--	--	--	10	11	0	0	14	NA
NAPHTHALENE	15	0	0	--	--	--	**10**	**10**	0	15	6	NA
NITROBENZENE	15	0	0	--	--	--	**10**	**10**	0	15	3	NA
PENTACHLOROPHENOL	15	0	0	--	--	--	**25**	**25**	0	15	0.6	1
PHENANTHRENE	15	0	0	--	--	--	10	10	--	--	NA	NA
PHENOL	15	0	0	--	--	--	10	10	0	0	22,000	NA
PYRENE	15	0	0	--	--	--	10	10	0	0	180	NA
Polynuclear Aromatic Hydrocarbons (µg/L)												
ACENAPHTHENE	6	0	0	--	--	--	5	5	0	0	370	NA
ACENAPHTHYLENE	6	0	0	--	--	--	2	2	--	--	NA	NA
ANTHRACENE	6	0	0	--	--	--	0.2	0.2	0	0	1,800	NA
BENZO(A)ANTHRACENE	6	0	0	--	--	--	**0.2**	**0.2**	0	6	0.09	0.1
BENZO(A)PYRENE	6	0	0	--	--	--	**0.2**	**0.2**	0	6	0.009	0.2
BENZO(B)FLUORANTHENE	6	0	0	--	--	--	**0.2**	**0.2**	0	6	0.09	NA
BENZO(G,H,I)PERYLENE	6	0	0	--	--	--	0.2	0.2	--	--	NA	NA
BENZO(K)FLUORANTHENE	6	0	0	--	--	--	**0.2**	**0.2**	0	6	0.06	NA
CHRYSENE	6	0	0	--	--	--	0.2	0.2	0	0	0.6	NA
DIBENZO(A,H)ANTHRACENE	6	0	0	--	--	--	**0.5**	**0.5**	0	6	0.009	NA
FLUORANTHENE	6	0	0	--	--	--	0.2	0.2	0	0	1,500	NA
FLUORENE	6	0	0	--	--	--	1	1	0	0	240	NA
INDENO(1,2,3-CD)PYRENE	6	0	0	--	--	--	**0.2**	**0.2**	0	6	0.09	NA

TABLE 7-9: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Supplemental Remedial Investigation Data Gap Sampling, 2001

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Polynuclear Aromatic Hydrocarbons (µg/L)												
NAPHTHALENE	6	0	0	--	--	--	5	5	0	0	6	NA
PHENANTHRENE	6	0	0	--	--	--	1	1	--	--	NA	NA
PYRENE	6	1	17	0.1	0.1 J	0.1 J	0.2	0.2	0	0	180	NA
Total Petroleum Hydrocarbons (mg/L)												
DIESEL RANGE ORGANICS	11	4	36	0.5	0.41	0.7	0.1	0.2	--	--	NA	NA
GASOLINE RANGE ORGANICS	11	3	27	0.06	0.03 J	0.076 J	0.05	0.05	--	--	NA	NA
JP5 RANGE ORGANICS	7	0	0	--	--	--	0.1	0.1	--	--	NA	NA
MOTOR OIL RANGE ORGANICS	11	1	9	0.8	0.76	0.76	0.1	0.2	--	--	NA	NA

TABLE 7-9: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Supplemental Remedial Investigation Data Gap Sampling, 2001

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

NOTES:

Bold denotes values exceeding the PRG

--	Not detected
J	Estimated value
MCL	Maximum Contaminant Level
mg/L	Milligrams per liter
NA	No criteria available
PRG	Preliminary Remediation Goal, U.S. Environmental Protection Agency, Region 9 or Cal-modified (2002)
µg/L	Micrograms per liter

TABLE 7-10: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Basewide Groundwater Monitoring, 2002 and 2003

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Volatile Organic Compounds (µg/L)												
1,1,1,2-TETRACHLOROETHANE	11	0	0	--	--	--	**0.5**	**0.5**	0	11	0.4	NA
1,1,1-TRICHLOROETHANE	11	0	0	--	--	--	0.5	0.5	0	0	3,200	200
1,1,2,2-TETRACHLOROETHANE	11	0	0	--	--	--	**0.5**	**0.5**	0	11	0.06	1
1,1,2-TRICHLOROETHANE	11	0	0	--	--	--	**0.5**	**0.5**	0	11	0.2	5
1,1-DICHLOROETHANE	11	1	9	0.1	0.1J	0.1J	0.5	0.5	0	0	2	5
1,1-DICHLOROETHENE	11	0	0	--	--	--	0.5	0.5	0	0	340	6
1,1-DICHLOROPROPENE	11	0	0	--	--	--	0.5	0.5	--	--	NA	NA
1,2,3-TRICHLOROBENZENE	11	0	0	--	--	--	0.5	0.5	--	--	NA	NA
1,2,3-TRICHLOROPROPANE	11	0	0	--	--	--	**0.5**	**0.5**	0	11	0.006	NA
1,2,4-TRICHLOROBENZENE	11	0	0	--	--	--	0.5	0.5	0	0	190	5
1,2,4-TRIMETHYLBENZENE	11	0	0	--	--	--	0.5	0.5	0	0	12	NA
1,2-DIBROMO-3-CHLOROPROPANE	11	0	0	--	--	--	**0.5**	**0.5**	0	11	0.002	0.2
1,2-DICHLOROBENZENE	11	0	0	--	--	--	0.5	0.5	0	0	370	600
1,2-DICHLOROETHANE	11	0	0	--	--	--	**0.5**	**0.5**	0	11	0.1	0.5
1,2-DICHLOROPROPANE	11	1	9	0.1	0.1J	0.1J	**0.5**	**0.5**	0	10	0.2	5
1,3,5-TRIMETHYLBENZENE	11	0	0	--	--	--	0.4	0.5	0	0	12	NA
1,3-DICHLOROBENZENE	11	0	0	--	--	--	0.5	0.5	0	0	6	NA
1,3-DICHLOROPROPANE	11	0	0	--	--	--	0.5	0.5	--	--	NA	NA
1,4-DICHLOROBENZENE	11	0	0	--	--	--	0.5	0.5	0	0	0.5	5
2,2-DICHLOROPROPANE	11	0	0	--	--	--	0.5	0.5	--	--	NA	NA
2-BUTANONE	11	0	0	--	--	--	10	10	--	--	NA	NA
2-CHLOROTOLUENE	11	0	0	--	--	--	0.2	0.5	--	--	NA	NA
2-HEXANONE	11	0	0	--	--	--	10	10	--	--	NA	NA
4-CHLOROTOLUENE	11	0	0	--	--	--	0.5	0.5	--	--	NA	NA
4-METHYL-2-PENTANONE	11	0	0	--	--	--	10	10	--	--	NA	NA
ACETONE	11	2	18	0.5	0.5J	0.5J	0.8	10	0	0	610	NA
BENZENE	11	0	0	--	--	--	**0.5**	**0.5**	0	11	0.3	1
BROMOBENZENE	11	0	0	--	--	--	0.5	0.5	0	0	20	NA
BROMOCHLOROMETHANE	11	0	0	--	--	--	0.5	0.5	--	--	NA	NA
BROMODICHLOROMETHANE	11	0	0	--	--	--	**0.5**	**0.5**	0	11	0.2	80
BROMOFORM	11	0	0	--	--	--	1	1	0	0	9	80

TABLE 7-10: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Basewide Groundwater Monitoring, 2002 and 2003

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Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Volatile Organic Compounds (µg/L)												
BROMOMETHANE	11	0	0	--	--	--	1	1	0	0	9	NA
CARBON DISULFIDE	11	0	0	--	--	--	0.5	0.5	0	0	1,000	NA
CARBON TETRACHLORIDE	11	0	0	--	--	--	**0.5**	**0.5**	0	11	0.2	0.5
CHLOROBENZENE	11	0	0	--	--	--	0.5	0.5	0	0	110	70
CHLOROETHANE	11	0	0	--	--	--	1	1	0	0	5	NA
CHLOROFORM	11	0	0	--	--	--	0.5	0.5	0	0	0.5	80
CHLOROMETHANE	11	0	0	--	--	--	1	1	0	0	2	NA
CIS-1,2-DICHLOROETHENE	11	5	45	0.2	0.1J	0.3J	0.5	0.5	0	0	61	6
DIBROMOCHLOROMETHANE	11	0	0	--	--	--	**0.5**	**0.5**	0	11	0.1	80
DIBROMOMETHANE	11	0	0	--	--	--	0.5	0.5	--	--	NA	NA
DICHLORODIFLUOROMETHANE	11	0	0	--	--	--	1	1	0	0	390	NA
DIISOPROPYL ETHER	11	0	0	--	--	--	0.5	0.5	--	--	NA	NA
ETHYL TERT-BUTYL ETHER	11	0	0	--	--	--	0.5	0.5	--	--	NA	NA
ETHYLBENZENE	11	0	0	--	--	--	0.5	0.5	0	0	3	300
ETHYLENE DIBROMIDE	11	0	0	--	--	--	0.5	0.5	--	--	NA	0.05
HEXACHLOROBUTADIENE	11	0	0	--	--	--	0.5	0.5	0	0	0.9	NA
ISOPROPYLBENZENE	11	0	0	--	--	--	0.5	0.5	--	--	NA	NA
M,P-XYLENE	11	0	0	--	--	--	0.5	0.5	0	0	210	NA
METHYL-T-BUTYL ETHER	11	1	9	0.3	0.3	0.3	0.1	0.5	0	0	6	13
METHYLENE CHLORIDE	11	0	0	--	--	--	0.2	**5**	0	10	4	NA
N-BUTYLBENZENE	11	0	0	--	--	--	0.5	0.5	--	--	NA	NA
N-PROPYLBENZENE	11	0	0	--	--	--	0.5	0.5	0	0	240	NA
NAPHTHALENE	11	0	0	--	--	--	2	2	0	0	6	NA
O-XYLENE	11	0	0	--	--	--	0.5	0.5	0	0	210	NA
P-ISOPROPYLTOLUENE	11	0	0	--	--	--	0.5	0.5	--	--	NA	NA
SEC-BUTYLBENZENE	11	0	0	--	--	--	0.5	0.5	0	0	240	NA
STYRENE	11	0	0	--	--	--	0.5	0.5	0	0	1,600	100
TERT-AMYL METHYL ETHER	11	0	0	--	--	--	0.5	0.5	--	--	NA	NA
TERT-BUTANOL	11	0	0	--	--	--	10	20	--	--	NA	NA
TERT-BUTYLBENZENE	11	0	0	--	--	--	0.5	0.5	0	0	240	NA
TETRACHLOROETHENE	11	0	0	--	--	--	0.5	0.5	0	0	0.7	5

TABLE 7-10: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Basewide Groundwater Monitoring, 2002 and 2003

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Volatile Organic Compounds (µg/L)												
TOLUENE	11	0	0	--	--	--	0.5	0.5	0	0	720	150
TRANS-1,2-DICHLOROETHENE	11	2	18	0.2	0.2J	0.2J	0.5	0.5	0	0	120	10
TRICHLOROETHENE	11	3	27	**0.8**	**0.6**	**0.9**	**0.5**	**0.5**	3	8	0.03	5
TRICHLOROFLUOROMETHANE	11	0	0	--	--	--	1	1	--	--	NA	NA
VINYL CHLORIDE	11	3	27	**0.8**	**0.8**	**0.9**	**0.5**	**0.5**	3	8	0.02	0.5
Total Petroleum Hydrocarbons (mg/L)												
DIESEL RANGE ORGANICS	11	0	0	--	--	--	0.05	0.05	--	--	NA	NA
GASOLINE RANGE ORGANICS	11	1	9	0.01	0.013	0.013	0.014	0.05	--	--	NA	NA
JP5 RANGE ORGANICS	11	0	0	--	--	--	0.05	0.05	--	--	NA	NA
MOTOR OIL RANGE ORGANICS	11	0	0	--	--	--	0.3	0.3	--	--	NA	NA
Metals (µg/L)												
Filtered												
ALUMINUM	8	3	38	486	8	1,300	6	100	0	0	36,000	NA
ANTIMONY	8	3	38	0.18	0.072J	0.27	0.084	0.17	0	0	15.0	6.0
ARSENIC	8	7	88	**6.8**	**3.3J**	**14**	**5**	**5**	7	1	0.045	10.0
BARIUM	8	8	100	182	42	760	0	0	0	0	2,600	1,000
BERYLLIUM	8	1	13	0.051	0.051	0.051	2	2	0	0	73.0	4.0
CADMIUM	8	1	13	0.63	0.63	0.63	5	5	0	0	18.0	5.0
CALCIUM	8	8	100	279,000	39,000	870,000	0	0	--	--	NA	NA
CHROMIUM	8	3	38	5.0	1.1J	12	0.5	10	0	0	55,000	50.0
COBALT	8	8	100	7.7	0.12J	32	0	0	0	0	730	NA
COPPER	8	7	88	1.5	0.25	6.4	10	10	0	0	1,500	1,300
IRON	8	8	100	1,870	110	8,400	0	0	0	0	11,000	NA
LEAD	8	2	25	0.079	0.047J	0.11J	0.092	1.5	--	--	NA	15.0
MAGNESIUM	8	8	100	479,000	17,000	1,900,000	0	0	--	--	NA	NA
MANGANESE	8	8	100	6,360	200	**25,000**	0	0	3	0	880	NA
MERCURY	8	0	0	--	--	--	0.075	0.27	0	0	11.0	2.0
MOLYBDENUM	8	5	63	2.0	1.1	3	1.2	20	0	0	180	NA
NICKEL	8	7	88	5.4	0.82J	27J	20	20	0	0	730	100
POTASSIUM	8	8	100	28,100	9,100	57,000	0	0	--	--	NA	NA

TABLE 7-10: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Basewide Groundwater Monitoring, 2002 and 2003

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Metals (µg/L)												
Filtered												
SELENIUM	8	6	75	18.6	0.36	63 J	5	5	0	0	180	50.0
SILVER	8	1	13	0.74	0.74	0.74	0.054	5	0	0	180	NA
SODIUM	8	8	100	3,550,000	39,000	14,000,000	0	0	--	--	NA	NA
THALLIUM	8	1	13	0.25	0.25 J	0.25 J	0.018	**2.7**	0	1	2.4	2.0
VANADIUM	8	2	25	1.9	1.4 J	2.4	1.6	10	0	0	260	NA
ZINC	8	5	63	11.4	0.7 J	21 J	20	20	0	0	11,000	NA

TABLE 7-10: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

Basewide Groundwater Monitoring, 2002 and 2003

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

NOTES:

Bold denotes values exceeding the PRG

--	Not detected
J	Estimated value
MCL	Maximum Contaminant Level
mg/L	Milligrams per liter
NA	No criteria available
PRG	Preliminary Remediation Goal, U.S. Environmental Protection Agency, Region 9 or CAL-modified (2002)
µg/L	Micrograms per liter

TABLE 7-11: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES

Basewide Polynuclear Aromatic Hydrocarbon Investigation, 2003

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Polynuclear Aromatic Hydrocarbons (µg/kg)											
2-METHYLNAPHTHALENE	80	39	49	14	0.28 J	360	5	100	--	--	NA
ACENAPHTHENE	80	29	36	93	0.27 J	2,000	5	100	0	0	3,700,000
ACENAPHTHYLENE	80	26	33	6	0.18 J	68	5	100	--	--	NA
ANTHRACENE	80	46	58	180	0.25 J	5,300	5	100	0	0	22,000,000
BENZ(A)ANTHRACENE	80	62	78	570	0.33 J	19,000	5	100	--	--	NA
BENZO(A)PYRENE	80	64	80	**280**	0.35 J	**8,800**	5	**100**	13	1	62
BENZO(B)FLUORANTHENE	80	66	83	480	0.26 J	**17,000**	5	6	4	0	620
BENZO(G,H,I)PERYLENE	80	65	81	120	0.55 J	2,900	5	100	--	--	NA
BENZO(K)FLUORANTHENE	80	60	75	150	0.18 J	**3,600**	5	100	5	0	380
CHRYSENE	80	66	83	470	0.21 J	**15,000**	5	100	2	0	3,800
DIBENZ(A,H)ANTHRACENE	80	45	56	52	0.22 J	1,100	5	100	--	--	NA
FLUORANTHENE	80	68	85	810	0.26 J	30,000	5	100	0	0	2,300,000
FLUORENE	80	29	36	110	0.27 J	2,600	5	100	0	0	2,700,000
INDENO(1,2,3-CD)PYRENE	80	56	70	110	0.82 J	**2,400**	5	100	3	0	620
NAPHTHALENE	80	47	59	16	0.22 J	510	5	100	0	0	56,000
PHENANTHRENE	80	62	78	620	0.19 J	25,000	5	100	--	--	NA
PYRENE	80	65	81	760	0.56 J	27,000	5	100	0	0	2,300,000

TABLE 7-11: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES

Basewide Polynuclear Aromatic Hydrocarbon Investigation, 2003

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

NOTES:

Bold denotes values exceeding the PRG

J	Estimated value
NA	No PRG available
PRG	Preliminary Remediation Goal, U.S. Environmental Protection Agency, Region 9 or Cal-modified (2002)
µg/kg	Micrograms per kilogram

TABLE 7-12: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES

Environmental Baseline Survey

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Volatile Organic Compounds (µg/kg)											
1,1,1-TRICHLOROETHANE	16	0	0	--	--	--	5.2	14	0	0	1,200,000
1,1,2,2-TETRACHLOROETHANE	9	0	0	--	--	--	5.2	14	0	0	410
1,1,2-TRICHLOROETHANE	9	0	0	--	--	--	5.2	14	0	0	730
1,1-DICHLOROETHANE	9	0	0	--	--	--	5.2	14	0	0	2,800
1,1-DICHLOROETHENE	16	0	0	--	--	--	5.2	14	0	0	120,000
1,2-DICHLOROETHANE	16	0	0	--	--	--	5.2	14	0	0	280
1,2-DICHLOROETHENE (TOTAL)	3	0	0	--	--	--	10	14	0	0	43,000
1,2-DICHLOROPROPANE	9	0	0	--	--	--	5.2	14	0	0	340
2-BUTANONE	16	0	0	--	--	--	10	14	--	--	NA
2-HEXANONE	9	0	0	--	--	--	6	14	--	--	NA
4-METHYL-2-PENTANONE	9	0	0	--	--	--	10	14	--	--	NA
ACETONE	9	1	11	20	20 J	20 J	10	25	0	0	1,600,000
BENZENE	16	0	0	--	--	--	5.2	14	0	0	600
BROMODICHLOROMETHANE	9	0	0	--	--	--	5.2	14	0	0	820
BROMOFORM	9	0	0	--	--	--	5.2	14	0	0	62,000
BROMOMETHANE	9	0	0	--	--	--	10	14	0	0	3,900
CARBON DISULFIDE	9	0	0	--	--	--	5.2	14	0	0	360,000
CARBON TETRACHLORIDE	9	0	0	--	--	--	5.2	14	0	0	250
CHLOROBENZENE	9	0	0	--	--	--	5.2	14	0	0	150,000
CHLOROETHANE	9	0	0	--	--	--	10	14	0	0	3,000
CHLOROFORM	9	0	0	--	--	--	5.2	14	0	0	940
CHLOROMETHANE	9	0	0	--	--	--	10	14	0	0	1,200
CIS-1,2-DICHLOROETHENE	13	1	8	15	15	15	5.2	10	0	0	43,000
CIS-1,3-DICHLOROPROPENE	9	0	0	--	--	--	5.2	14	0	0	780
DIBROMOCHLOROMETHANE	9	0	0	--	--	--	5.2	14	0	0	1,100
ETHYLBENZENE	16	0	0	--	--	--	5.2	14	0	0	8,900
HEXANE	13	0	0	--	--	--	5.2	20	0	0	110,000
M,P-XYLENE	7	0	0	--	--	--	10	20	0	0	270,000
METHYLENE CHLORIDE	16	2	13	23	21 J	25	10	25	0	0	9,100
O-XYLENE	13	0	0	--	--	--	5.2	10	0	0	270,000
STYRENE	9	0	0	--	--	--	5.2	14	0	0	1,700,000

TABLE 7-12: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

Environmental Baseline Survey

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Volatile Organic Compounds (µg/kg)											
TETRACHLOROETHENE	16	0	0	--	--	--	5.2	14	0	0	1,500
TOLUENE	16	0	0	--	--	--	5.2	14	0	0	520,000
TRANS-1,2-DICHLOROETHENE	13	0	0	--	--	--	5.2	10	0	0	69,000
TRANS-1,3-DICHLOROPROPENE	9	0	0	--	--	--	5.2	14	0	0	780
TRICHLOROETHENE	16	0	0	--	--	--	5.2	14	0	0	53
TRICHLOROFLUOROMETHANE	6	0	0	--	--	--	5.2	6	0	0	390,000
VINYL ACETATE	6	0	0	--	--	--	52	63	0	0	430,000
VINYL CHLORIDE	16	0	0	--	--	--	10	14	0	0	79
XYLENE (TOTAL)	9	0	0	--	--	--	5.2	14	0	0	270,000
Semivolatile Organic Compounds (µg/kg)											
1,2,4-TRICHLOROBENZENE	11	0	0	--	--	--	360	1,400	0	0	650,000
1,2-DICHLOROBENZENE	11	0	0	--	--	--	360	1,400	0	0	370,000
1,3-DICHLOROBENZENE	11	0	0	--	--	--	360	1,400	0	0	16,000
1,4-DICHLOROBENZENE	11	0	0	--	--	--	360	1,400	0	0	3,400
2,2'-OXYBIS(1-CHLOROPROPANE)	11	0	0	--	--	--	360	1,400	--	--	NA
2,4,5-TRICHLOROPHENOL	11	0	0	--	--	--	890	3,400	0	0	6,100,000
2,4,6-TRICHLOROPHENOL	11	0	0	--	--	--	360	1,400	0	0	6,900
2,4-DICHLOROPHENOL	11	0	0	--	--	--	360	1,400	0	0	180,000
2,4-DIMETHYLPHENOL	11	1	9	38	38 J	38 J	360	1,400	0	0	1,200,000
2,4-DINITROPHENOL	10	0	0	--	--	--	890	3,400	0	0	120,000
2,4-DINITROTOLUENE	11	0	0	--	--	--	360	1,400	0	0	120,000
2,6-DINITROTOLUENE	11	0	0	--	--	--	360	1,400	0	0	61,000
2-CHLORONAPHTHALENE	11	0	0	--	--	--	360	1,400	--	--	NA
2-CHLOROPHENOL	11	0	0	--	--	--	360	1,400	0	0	63,000
2-METHYLPHENOL	11	0	0	--	--	--	360	1,400	--	--	NA
2-NITROANILINE	11	0	0	--	--	--	890	**3,400**	0	3	1,700
2-NITROPHENOL	11	0	0	--	--	--	370	1,800	--	--	NA
3,3'-DICHLOROBENZIDINE	11	0	0	--	--	--	370	**1,800**	0	3	1,100
3-NITROANILINE	11	0	0	--	--	--	890	3,400	--	--	NA
4,6-DINITRO-2-METHYLPHENOL	11	0	0	--	--	--	890	3,400	--	--	NA

TABLE 7-12: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

Environmental Baseline Survey

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Semivolatile Organic Compounds (µg/kg)											
4-BROMOPHENYL-PHENYLETHER	11	0	0	--	--	--	360	1,400	--	--	NA
4-CHLORO-3-METHYLPHENOL	11	0	0	--	--	--	360	1,400	--	--	NA
4-CHLOROANILINE	11	0	0	--	--	--	360	1,400	0	0	240,000
4-CHLOROPHENYL-PHENYLETHER	11	0	0	--	--	--	360	1,400	--	--	NA
4-METHYLPHENOL	11	0	0	--	--	--	360	1,400	0	0	310,000
4-NITROANILINE	11	0	0	--	--	--	890	3,400	--	--	NA
4-NITROPHENOL	11	0	0	--	--	--	890	3,400	--	--	NA
ANILINE	2	0	0	--	--	--	360	360	0	0	85,000
AZOBENZENE	2	0	0	--	--	--	360	360	0	0	4,400
BENZIDINE	2	0	0	--	--	--	**360**	**360**	0	2	2
BENZYL ALCOHOL	2	0	0	--	--	--	360	360	0	0	18,000,000
BIS(2-CHLOROETHOXY)METHANE	11	0	0	--	--	--	360	1,400	--	--	NA
BIS(2-CHLOROETHYL)ETHER	11	0	0	--	--	--	**360**	**1,400**	0	11	210
BIS(2-ETHYLHEXYL)PHTHALATE	11	6	55	160	29 J	620	360	440	0	0	35,000
BUTYLBENZYLPHTHALATE	11	0	0	--	--	--	360	1,400	0	0	12,000,000
CARBAZOLE	9	0	0	--	--	--	370	1,400	0	0	24,000
DI-N-BUTYLPHTHALATE	11	3	27	77	28 J	110 J	360	1,400	--	--	NA
DI-N-OCTYLPHTHALATE	11	0	0	--	--	--	360	1,400	--	--	NA
DIBENZOFURAN	11	0	0	--	--	--	360	1,400	0	0	290,000
DIETHYLPHTHALATE	11	0	0	--	--	--	360	1,400	0	0	49,000,000
DIMETHYLPHTHALATE	11	0	0	--	--	--	360	1,400	0	0	100,000,000
HEXACHLOROBENZENE	11	0	0	--	--	--	**360**	**1,400**	0	11	300
HEXACHLOROBUTADIENE	11	0	0	--	--	--	360	1,400	0	0	6,200
HEXACHLOROCYCLOPENTADIENE	11	0	0	--	--	--	360	1,400	0	0	370,000
HEXACHLOROETHANE	11	0	0	--	--	--	360	1,400	0	0	35,000
ISOPHORONE	11	0	0	--	--	--	360	1,400	0	0	510,000
N-NITROSO-DI-N-PROPYLAMINE	11	0	0	--	--	--	**360**	**1,400**	0	11	69
N-NITROSODIMETHYLAMINE	2	0	0	--	--	--	**360**	**360**	0	2	10
N-NITROSODIPHENYLAMINE	11	0	0	--	--	--	360	1,400	0	0	99,000
NITROBENZENE	11	0	0	--	--	--	360	1,400	0	0	20,000
PENTACHLOROPHENOL	11	0	0	--	--	--	890	**3,400**	0	1	3,000

TABLE 7-12: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

Environmental Baseline Survey

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Semivolatile Organic Compounds (µg/kg)											
PHENOL	11	0	0	--	--	--	360	1,400	0	0	37,000,000
PCBs/Pesticides (µg/kg)											
4,4'-DDD	3	0	0	--	--	--	3.7	4.6	0	0	2,400
4,4'-DDE	3	0	0	--	--	--	3.7	4.6	0	0	1,700
4,4'-DDT	3	0	0	--	--	--	3.7	4.6	0	0	1,700
ALDRIN	3	0	0	--	--	--	1.9	2.4	0	0	29
ALPHA-BHC	3	0	0	--	--	--	1.9	2.4	--	--	NA
ALPHA-CHLORDANE	3	1	33	3	2.7	2.7	1.9	2.3	0	0	1,600
AROCLOR-1016	5	0	0	--	--	--	22	46	0	0	3,900
AROCLOR-1221	5	0	0	--	--	--	22	94	0	0	220
AROCLOR-1232	5	0	0	--	--	--	22	46	0	0	220
AROCLOR-1242	5	0	0	--	--	--	22	46	0	0	220
AROCLOR-1248	5	0	0	--	--	--	22	46	0	0	220
AROCLOR-1254	5	1	20	30	30	30	22	46	0	0	220
AROCLOR-1260	5	1	20	**230**	**230**	**230**	22	46	1	0	220
BETA-BHC	3	0	0	--	--	--	1.9	2.4	--	--	NA
DELTA-BHC	3	0	0	--	--	--	1.9	2.4	--	--	NA
DIELDRIN	3	0	0	--	--	--	3.7	4.6	0	0	30
ENDOSULFAN I	3	0	0	--	--	--	1.9	2.4	0	0	370,000
ENDOSULFAN II	3	0	0	--	--	--	3.7	4.6	0	0	370,000
ENDOSULFAN SULFATE	3	0	0	--	--	--	3.7	4.6	--	--	NA
ENDRIN	3	0	0	--	--	--	3.7	4.6	0	0	18,000
ENDRIN ALDEHYDE	3	0	0	--	--	--	3.7	4.6	--	--	NA
ENDRIN KETONE	3	0	0	--	--	--	3.7	4.6	--	--	NA
GAMMA-BHC (LINDANE)	3	0	0	--	--	--	1.9	2.4	--	--	NA
GAMMA-CHLORDANE	3	0	0	--	--	--	1.9	2.4	0	0	1,600
HEPTACHLOR	3	0	0	--	--	--	1.9	2.4	0	0	110
HEPTACHLOR EPOXIDE	3	0	0	--	--	--	1.9	2.4	0	0	53
METHOXYCHLOR	3	0	0	--	--	--	19	24	0	0	310,000
TOXAPHENE	3	0	0	--	--	--	190	240	0	0	440

TABLE 7-12: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

Environmental Baseline Survey

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Total Petroleum Hydrocarbons (mg/kg)											
DIESEL RANGE ORGANICS	28	8	29	13	1.5	40	0.05	50	--	--	NA
GASOLINE RANGE ORGANICS	25	1	4	1	1	1	0.05	50	--	--	NA
MOTOR OIL RANGE ORGANICS	21	10	48	210	36	830	21	32	--	--	NA
Metals (mg/kg)											
ALUMINUM	3	3	100	8,630	3,690 J	17,900 J	0	0	0	0	76,000
ANTIMONY	11	0	0	--	--	--	0.92	25	0	0	31.0
ARSENIC	3	3	100	**2.7**	**1.1**	**5.5**	0	0	3	0	0.39
BARIUM	3	3	100	44.0	23.3	84.6 J	0	0	0	0	5,400
BERYLLIUM	11	3	27	2.2	0.27	5.7	25	25	0	0	150
CADMIUM	11	0	0	--	--	--	0.06	25	0	0	37.0
CALCIUM	3	3	100	3,230	1,780 J	5,890	0	0	--	--	NA
CHROMIUM	11	4	36	88.4	24.3 J	**242**	25	25	1	0	210
COBALT	3	3	100	7.9	3.7	15.8	0	0	0	0	900
COPPER	11	5	45	39.4	6.4	101 J	25	25	0	0	3,100
IRON	3	3	100	16,000	6,940	**33,200**	0	0	1	0	23,000
LEAD	13	5	38	24.6	1.7	103	25	25	0	0	150
MAGNESIUM	3	3	100	4,340	2,000	8,760	0	0	--	--	NA
MANGANESE	3	3	100	346	82.3	865 J	0	0	0	0	1,800
MERCURY	11	0	0	--	--	--	0.16	**25**	0	8	23.0
MOLYBDENUM	3	0	0	--	--	--	2.1	3.5	0	0	390
NICKEL	11	10	91	61.4	20.5	104	25	25	0	0	1,600
POTASSIUM	3	3	100	1,390	616	2,740	0	0	--	--	NA
SELENIUM	3	0	0	--	--	--	0.54	0.83	0	0	390
SILVER	11	0	0	--	--	--	0.19	25	0	0	390
SODIUM	3	3	100	302	85.6	700	0	0	--	--	NA
THALLIUM	3	2	67	2.4	2.1	2.6	0.64	0.64	0	0	5.2
VANADIUM	3	3	100	32.0	17.2	59.9	0	0	0	0	550
ZINC	11	11	100	57.7	14.4	136	0	0	0	0	23,000

TABLE 7-12: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES

Environmental Baseline Survey

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

NOTES:

Bold denotes values exceeding the PRG

--	Not detected
BHC	Benzene Hexachloride
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
J	Estimated value
mg/kg	Milligrams per kilogram
NA	No PRG available
PCB	Polychlorinated biphenyl
PRG	Preliminary Remediation Goal, U.S. Environmental Protection Agency, Region 9 or Cal-modified (2002)
µg/kg	Micrograms per kilogram

TABLE 7-13: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES

TPH Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Volatile Organic Compounds (ug/kg)											
1,1,1-TRICHLOROETHANE	46	0	0	--	--	--	10	11,000	0	0	1,200,000
1,1,2,2-TETRACHLOROETHANE	46	0	0	--	--	--	10	**11,000**	0	2	410
1,1,2-TRICHLOROETHANE	46	0	0	--	--	--	10	**11,000**	0	2	730
1,1-DICHLOROETHANE	46	0	0	--	--	--	10	**11,000**	0	1	2,800
1,1-DICHLOROETHENE	46	0	0	--	--	--	10	11,000	0	0	120,000
1,2,4-TRIMETHYLBENZENE	9	0	0	--	--	--	10	10	0	0	52,000
1,2-DICHLOROETHANE	46	0	0	--	--	--	10	**11,000**	0	2	280
1,2-DICHLOROETHENE (TOTAL)	37	0	0	--	--	--	10	11,000	0	0	43,000
1,2-DICHLOROPROPANE	46	0	0	--	--	--	10	**11,000**	0	2	340
1,3,5-TRIMETHYLBENZENE	9	0	0	--	--	--	10	10	0	0	21,000
2-BUTANONE	37	0	0	--	--	--	10	11,000	--	--	NA
2-HEXANONE	37	0	0	--	--	--	10	11,000	--	--	NA
4-METHYL-2-PENTANONE	37	3	8	15,000	11	45,000	10	1,200	--	--	NA
ACETONE	37	0	0	--	--	--	10	11,000	0	0	1,600,000
BENZENE	112	2	2	38	1.2	74	0.5	**11,000**	0	2	600
BROMODICHLOROMETHANE	46	0	0	--	--	--	10	**11,000**	0	2	820
BROMOFORM	46	0	0	--	--	--	10	11,000	0	0	62,000
BROMOMETHANE	46	0	0	--	--	--	10	**11,000**	0	1	3,900
CARBON DISULFIDE	37	4	11	4	2J	5 J	10	11,000	0	0	360,000
CARBON TETRACHLORIDE	46	0	0	--	--	--	10	**11,000**	0	2	250
CHLOROBENZENE	46	1	2	2	2J	2 J	10	11,000	0	0	150,000
CHLOROETHANE	46	0	0	--	--	--	10	**11,000**	0	1	3,000
CHLOROFORM	46	0	0	--	--	--	10	**11,000**	0	2	940
CHLOROMETHANE	46	0	0	--	--	--	10	**11,000**	0	1	1,200
CIS-1,2-DICHLOROETHENE	9	0	0	--	--	--	10	10	0	0	43,000
CIS-1,3-DICHLOROPROPENE	46	0	0	--	--	--	10	**11,000**	0	2	780
DIBROMOCHLOROMETHANE	46	0	0	--	--	--	10	**11,000**	0	2	1,100
ETHYLBENZENE	112	1	1	120	120	120	0.5	**11,000**	0	1	8,900
METHYL-T-BUTYL ETHER	54	0	0	--	--	--	5	**28,000**	0	1	17,000
METHYLENE CHLORIDE	46	0	0	--	--	--	10	**11,000**	0	1	9,100
STYRENE	46	0	0	--	--	--	10	11,000	0	0	1,700,000

TABLE 7-13: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

TPH Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Volatile Organic Compounds (ug/kg)											
TETRACHLOROETHENE	46	0	0	--	--	--	10	**11,000**	0	1	1,500
TOLUENE	112	3	3	40	6.2	89	0.5	11,000	0	0	520,000
TRANS-1,2-DICHLOROETHENE	9	0	0	--	--	--	10	10	0	0	69,000
TRANS-1,3-DICHLOROPROPENE	46	0	0	--	--	--	10	**11,000**	0	2	780
TRICHLOROETHENE	46	0	0	--	--	--	10	**11,000**	0	4	53
VINYL CHLORIDE	46	0	0	--	--	--	10	**11,000**	0	4	79
XYLENE (TOTAL)	112	5	4	53	2J	180	0.5	11,000	0	0	270,000
Semivolatile Organic Compounds (µg/kg)											
1,2,4-TRICHLOROBENZENE	23	0	0	--	--	--	35	3,600	0	0	650,000
1,2-DICHLOROBENZENE	23	0	0	--	--	--	17	1,800	0	0	370,000
1,3-DICHLOROBENZENE	23	0	0	--	--	--	17	1,800	0	0	16,000
1,4-DICHLOROBENZENE	23	0	0	--	--	--	17	1,800	0	0	3,400
2,2'-OXYBIS(1-CHLOROPROPANE)	23	0	0	--	--	--	35	3,600	--	--	NA
2,4,5-TRICHLOROPHENOL	23	0	0	--	--	--	84	8,800	0	0	6,100,000
2,4,6-TRICHLOROPHENOL	23	0	0	--	--	--	35	3,600	0	0	6,900
2,4-DICHLOROPHENOL	23	0	0	--	--	--	35	3,600	0	0	180,000
2,4-DIMETHYLPHENOL	23	0	0	--	--	--	35	3,600	0	0	1,200,000
2,4-DINITROPHENOL	11	0	0	--	--	--	84	8,800	0	0	120,000
2,4-DINITROTOLUENE	23	0	0	--	--	--	35	3,600	0	0	120,000
2,6-DINITROTOLUENE	23	0	0	--	--	--	35	3,600	0	0	61,000
2-CHLORONAPHTHALENE	23	0	0	--	--	--	35	3,600	--	--	NA
2-CHLOROPHENOL	23	0	0	--	--	--	35	3,600	0	0	63,000
2-METHYLPHENOL	23	0	0	--	--	--	35	3,600	--	--	NA
2-NITROANILINE	23	0	0	--	--	--	84	**8,800**	0	4	1,700
2-NITROPHENOL	23	0	0	--	--	--	35	3,600	--	--	NA
3,3'-DICHLOROBENZIDINE	23	0	0	--	--	--	35	**3,600**	0	4	1,100
3-NITROANILINE	23	0	0	--	--	--	84	8,800	--	--	NA
4,6-DINITRO-2-METHYLPHENOL	23	0	0	--	--	--	84	8,800	--	--	NA
4-BROMOPHENYL-PHENYLETHER	23	0	0	--	--	--	35	3,600	--	--	NA
4-CHLORO-3-METHYLPHENOL	23	0	0	--	--	--	35	3,600	--	--	NA

TABLE 7-13: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

TPH Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Semivolatile Organic Compounds (ug/kg)											
4-CHLOROANILINE	23	0	0	--	--	--	35	3,600	0	0	240,000
4-CHLOROPHENYL-PHENYLETHER	23	0	0	--	--	--	35	3,600	--	--	NA
4-METHYLPHENOL	23	0	0	--	--	--	35	3,600	0	0	310,000
4-NITROANILINE	23	0	0	--	--	--	84	8,800	--	--	NA
4-NITROPHENOL	23	0	0	--	--	--	84	8,800	--	--	NA
BIS(2-CHLOROETHOXY)METHANE	23	0	0	--	--	--	35	3,600	--	--	NA
BIS(2-CHLOROETHYL)ETHER	23	0	0	--	--	--	35	**3,600**	0	8	210
BIS(2-ETHYLHEXYL)PHTHALATE	23	0	0	--	--	--	13	1,400	0	0	35,000
BUTYLBENZYLPHTHALATE	23	0	0	--	--	--	35	3,600	0	0	12,000,000
CARBAZOLE	23	7	30	180	5J	940 J	35	3,600	0	0	24,000
DI-N-BUTYLPHTHALATE	23	0	0	--	--	--	14	3,600	--	--	NA
DI-N-OCTYLPHTHALATE	22	0	0	--	--	--	35	3,600	--	--	NA
DIBENZOFURAN	23	3	13	83	9J	170 J	35	3,600	0	0	290,000
DIETHYLPHTHALATE	23	0	0	--	--	--	35	3,600	0	0	49,000,000
DIMETHYLPHTHALATE	23	0	0	--	--	--	35	3,600	0	0	100,000,000
HEXACHLOROBENZENE	23	0	0	--	--	--	35	**3,600**	0	8	300
HEXACHLOROBUTADIENE	23	0	0	--	--	--	35	3,600	0	0	6,200
HEXACHLOROCYCLOPENTADIENE	23	0	0	--	--	--	35	3,600	0	0	370,000
HEXACHLOROETHANE	23	0	0	--	--	--	35	3,600	0	0	35,000
ISOPHORONE	23	0	0	--	--	--	35	3,600	0	0	510,000
N-NITROSO-DI-N-PROPYLAMINE	23	0	0	--	--	--	35	**3,600**	0	12	69
N-NITROSODIPHENYLAMINE	23	0	0	--	--	--	35	3,600	0	0	99,000
NITROBENZENE	23	0	0	--	--	--	35	3,600	0	0	20,000
PENTACHLOROPHENOL	23	0	0	--	--	--	84	**8,800**	0	4	3,000
PHENOL	23	0	0	--	--	--	35	3,600	0	0	37,000,000
Polynuclear Aromatic Hydrocarbons (µg/kg)											
ANTHRACENE	1	1	100	810	810	810	0	0	0	0	22,000,000
BENZO(A)ANTHRACENE	2	2	100	**830**	260	**1,400**	0	0	1	0	620
BENZO(A)PYRENE	1	1	100	**750**	**750**	**750**	0	0	1	0	62
BENZO(B)FLUORANTHENE	2	2	100	**680**	250	**1,100**	0	0	1	0	620

TABLE 7-13: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

TPH Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Polynuclear Aromatic Hydrocarbons (µg/kg)											
BENZO(K)FLUORANTHENE	1	1	100	**500**	**500**	**500**	0	0	1	0	380
CHRYSENE	2	2	100	940	280	1,600	0	0	0	0	3,800
FLUORANTHENE	3	3	100	16,000	550	44,000	0	0	0	0	2,300,000
PHENANTHRENE	1	1	100	32,000	32,000	32,000	0	0	--	--	NA
PYRENE	3	3	100	17,000	550	47,000	0	0	0	0	2,300,000
PCBs/Pesticides (µg/kg)											
AROCLOR-1016	4	0	0	--	--	--	16	18	0	0	3,900
AROCLOR-1221	4	0	0	--	--	--	34	36	0	0	220
AROCLOR-1232	4	0	0	--	--	--	16	18	0	0	220
AROCLOR-1242	4	0	0	--	--	--	16	18	0	0	220
AROCLOR-1248	4	0	0	--	--	--	16	18	0	0	220
AROCLOR-1254	4	0	0	--	--	--	16	18	0	0	220
AROCLOR-1260	4	2	50	72	24 J	120 J	16	18	0	0	220
Total Petroleum Hydrocarbons (mg/kg)											
DIESEL RANGE ORGANICS	112	36	32	120	1.3	1,300 J	0.05	570	--	--	NA
GASOLINE RANGE ORGANICS	109	22	20	220	0.3 J	2,000 J	0.05	7.5	--	--	NA
JET FUEL	55	15	27	490	1.2	4,300	0.05	200	--	--	NA
JP5 RANGE ORGANICS	56	7	13	830	16 J	2,200 J	7.9	82	--	--	NA
MOTOR OIL RANGE ORGANICS	106	38	36	270	7 J	3,500	0.25	570	--	--	NA
Metals (mg/kg)											
ALUMINUM	37	36	97	6,120	4,200	12,300	4,150	4,150	0	0	76,000
ANTIMONY	37	6	16	0.87	0.5 J	1.4 J	0.4	0.67	0	0	31.0
ARSENIC	37	32	86	**1.9**	**0.65 J**	**4 J**	**1.3**	**2.7**	32	5	0.39
BARIUM	37	36	97	39.4	16.5 J	132	24.8	24.8	0	0	5,400
BERYLLIUM	37	10	27	0.14	0.09 J	0.2 J	0.042	0.09	0	0	150
CADMIUM	37	0	0	--	--	--	0.02	0.18	0	0	37.0
CALCIUM	37	36	97	3,250	1,490	8,890	3,170	3,170	--	--	NA
CHROMIUM	37	36	97	33.7	12.1	128	31.7	31.7	0	0	210

TABLE 7-13: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

TPH Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Metals (mg/kg)											
COBALT	37	36	97	6.5	4.2	14.4	4.7	4.7	0	0	900
COPPER	37	34	92	10.1	5.1 J	27	5.1	7.2	0	0	3,100
IRON	37	36	97	11,700	8,190	**25,000**	8,360	8,360	2	0	23,000
LEAD	50	42	84	9.6	2.2 J	44.5	1.9	12	0	0	150
MAGNESIUM	37	36	97	3,690	2,140	15,300	2,000	2,000	--	--	NA
MANGANESE	37	36	97	173	78.5	552	95.6	95.6	0	0	1,800
MERCURY	37	12	32	0.19	0.07 J	0.62	0.05	0.25	0	0	23.0
MOLYBDENUM	37	1	3	0.87	0.87 J	0.87 J	0.14	0.82	0	0	390
NICKEL	37	36	97	32.3	13.9	120	22.2	22.2	0	0	1,600
POTASSIUM	37	36	97	698	300 J	1,800	390	390	--	--	NA
SELENIUM	37	1	3	0.42	0.42 J	0.42 J	0.17	0.62	0	0	390
SILVER	37	1	3	1.8	1.8	1.8	0.084	0.13	0	0	390
SODIUM	37	6	16	316	101 J	801 J	20	29.4	--	--	NA
THALLIUM	37	3	8	0.62	0.55 J	0.69 J	0.38	0.57	0	0	5.2
VANADIUM	37	36	97	24.6	15.5	49.1	19.3	19.3	0	0	550
ZINC	37	36	97	24.2	15.8 J	71.8	15.4	15.4	0	0	23,000

TABLE 7-13: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES

TPH Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

NOTES:

Bold denotes values exceeding the PRG

--	Not detected
J	Estimated value
mg/kg	Milligrams per kilogram
NA	No PRG available
PCB	Polychlorinated biphenyl
PRG	Preliminary Remediation Goal, U.S. Environmental Protection Agency, Region 9 or Cal-modified (2002)
µg/kg	Micrograms per kilogram

TABLE 7-14: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

TPH Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Volatile Organic Compounds (µg/L)												
1,1,1-TRICHLOROETHANE	24	0	0	--	--	--	1	200	0	0	3,200	200
1,1,2,2-TETRACHLOROETHANE	24	0	0	--	--	--	**1**	**200**	0	24	0.06	1
1,1,2-TRICHLOROETHANE	24	0	0	--	--	--	**1**	**200**	0	24	0.2	5
1,1-DICHLOROETHANE	24	1	4	1	1J	1J	1	**200**	0	5	2	5
1,1-DICHLOROETHENE	24	0	0	--	--	--	1	200	0	0	340	6
1,2,4-TRICHLOROBENZENE	4	0	0	--	--	--	1	20	0	0	190	5
1,2,4-TRIMETHYLBENZENE	16	1	6	3	3.3	3.3	1	1	0	0	12	NA
1,2-DIBROMO-3-CHLOROPROPANE	4	0	0	--	--	--	**1**	**20**	0	4	0.002	0.2
1,2-DICHLOROBENZENE	4	0	0	--	--	--	1	20	0	0	370	600
1,2-DICHLOROETHANE	24	0	0	--	--	--	**0.5**	**50**	0	24	0.1	0.5
1,2-DICHLOROETHENE (TOTAL)	4	0	0	--	--	--	2	**200**	0	1	61	NA
1,2-DICHLOROPROPANE	24	0	0	--	--	--	**1**	**200**	0	24	0.2	5
1,3,5-TRIMETHYLBENZENE	16	1	6	2	1.6	1.6	1	1	0	0	12	NA
1,3-DICHLOROBENZENE	4	0	0	--	--	--	1	**20**	0	1	6	NA
1,4-DICHLOROBENZENE	4	0	0	--	--	--	**1**	**20**	0	4	0.5	5
2-BUTANONE	8	0	0	--	--	--	2	200	--	--	NA	NA
2-HEXANONE	8	1	13	500	500J	500J	2	40	--	--	NA	NA
4-METHYL-2-PENTANONE	8	1	13	1,100	1,100	1,100	2	40	--	--	NA	NA
ACETONE	8	0	0	--	--	--	2	350	0	0	610	NA
BENZENE	73	3	4	**4**	**0.6**	**8**	**0.5**	**50**	3	70	0.3	1
BROMOCHLOROMETHANE	4	0	0	--	--	--	1	20	--	--	NA	NA
BROMODICHLOROMETHANE	24	0	0	--	--	--	**1**	**200**	0	24	0.2	80
BROMOFORM	24	0	0	--	--	--	1	**200**	0	3	9	80
BROMOMETHANE	24	0	0	--	--	--	1	**200**	0	3	9	NA
CARBON DISULFIDE	8	0	0	--	--	--	1	200	0	0	1,000	NA
CARBON TETRACHLORIDE	24	0	0	--	--	--	**0.5**	**50**	0	24	0.2	0.5
CHLOROBENZENE	24	0	0	--	--	--	1	**200**	0	1	110	70
CHLOROETHANE	24	0	0	--	--	--	1	**200**	0	19	5	NA
CHLOROFORM	24	0	0	--	--	--	**1**	**200**	0	24	0.5	80
CHLOROMETHANE	24	0	0	--	--	--	1	**200**	0	23	2	NA
CIS-1,2-DICHLOROETHENE	20	2	10	1	0.66J	2.1	1	20	0	0	61	6

TABLE 7-14: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

TPH Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Volatile Organic Compounds (µg/L)												
CIS-1,3-DICHLOROPROPENE	24	0	0	--	--	--	**1**	**200**	0	24	0.4	0.5
DIBROMOCHLOROMETHANE	24	0	0	--	--	--	**1**	**200**	0	24	0.1	80
ETHYLBENZENE	72	6	8	**7**	**4**	**16**	0.5	**200**	6	3	3	300
ETHYLENE DIBROMIDE	4	0	0	--	--	--	1	20	--	--	NA	0.05
M,P-XYLENE	7	0	0	--	--	--	1	1	0	0	210	NA
METHYL-T-BUTYL ETHER	64	2	3	**7**	1.2	**12**	2	**500**	1	4	6	13
METHYLENE CHLORIDE	24	0	0	--	--	--	1	**200**	0	13	4	NA
O-XYLENE	7	0	0	--	--	--	1	1	0	0	210	NA
STYRENE	24	0	0	--	--	--	1	200	0	0	1,600	100
TETRACHLOROETHENE	24	1	4	**3**	**3.2**	**3.2**	**1**	**200**	1	23	0.7	5
TOLUENE	73	10	14	19	0.5	120	0.5	200	0	0	720	150
TRANS-1,2-DICHLOROETHENE	20	0	0	--	--	--	1	20	0	0	120	10
TRANS-1,3-DICHLOROPROPENE	24	0	0	--	--	--	**0.5**	**50**	0	24	0.4	0.5
TRANS-1,4-DICHLORO-2-BUTENE	1	0	0	--	--	--	1	1	--	--	NA	NA
TRICHLOROETHENE	24	1	4	**2**	**2**	**2**	**1**	**200**	1	23	0.03	5
VINYL CHLORIDE	24	0	0	--	--	--	**0.5**	**50**	0	24	0.02	0.5
XYLENE (TOTAL)	65	12	18	27	0.5	180	0.5	200	0	0	210	1,800
Semivolatile Organic Compounds (µg/L)												
1,2,4-TRICHLOROBENZENE	4	0	0	--	--	--	1	1	0	0	190	5
1,2-DICHLOROBENZENE	4	0	0	--	--	--	1	1	0	0	370	600
1,3-DICHLOROBENZENE	4	0	0	--	--	--	1	1	0	0	6	NA
1,4-DICHLOROBENZENE	4	0	0	--	--	--	**1**	**1**	0	4	0.5	5
2,2'-OXYBIS(1-CHLOROPROPANE)	4	0	0	--	--	--	1	1	--	--	NA	NA
2,4,5-TRICHLOROPHENOL	4	0	0	--	--	--	3	3	0	0	3,600	50
2,4,6-TRICHLOROPHENOL	4	0	0	--	--	--	**1**	**1**	0	4	1	NA
2,4-DICHLOROPHENOL	4	0	0	--	--	--	1	1	0	0	110	NA
2,4-DIMETHYLPHENOL	4	0	0	--	--	--	1	1	0	0	730	NA
2,4-DINITROPHENOL	2	0	0	--	--	--	3	3	0	0	73	NA
2,4-DINITROTOLUENE	4	0	0	--	--	--	1	1	0	0	73	NA
2,6-DINITROTOLUENE	4	0	0	--	--	--	1	1	0	0	36	NA

TABLE 7-14: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

TPH Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Semivolatile Organic Compounds (µg/L)												
2-CHLORONAPHTHALENE	4	0	0	--	--	--	1	1	--	--	NA	NA
2-CHLOROPHENOL	4	0	0	--	--	--	1	1	0	0	30	NA
2-METHYLNAPHTHALENE	4	2	50	0.4	0.1J	0.7J	1	1	--	--	NA	NA
2-METHYLPHENOL	4	0	0	--	--	--	1	1	0	0	1,800	NA
2-NITROANILINE	4	0	0	--	--	--	**3**	**3**	0	4	1	NA
2-NITROPHENOL	4	0	0	--	--	--	1	1	--	--	NA	NA
3,3'-DICHLOROBENZIDINE	4	0	0	--	--	--	**1**	**1**	0	4	0.2	NA
3-NITROANILINE	4	0	0	--	--	--	3	3	--	--	NA	NA
4,6-DINITRO-2-METHYLPHENOL	3	0	0	--	--	--	3	3	--	--	NA	NA
4-BROMOPHENYL-PHENYLETHER	4	0	0	--	--	--	1	1	--	--	NA	NA
4-CHLORO-3-METHYLPHENOL	4	0	0	--	--	--	1	1	--	--	NA	NA
4-CHLOROANILINE	4	0	0	--	--	--	1	1	0	0	150	NA
4-CHLOROPHENYL-PHENYLETHER	4	0	0	--	--	--	1	1	--	--	NA	NA
4-METHYLPHENOL	4	1	25	0.3	0.3J	0.3J	1	1	0	0	180	NA
4-NITROANILINE	4	0	0	--	--	--	3	3	--	--	NA	NA
4-NITROPHENOL	4	0	0	--	--	--	3	3	--	--	NA	NA
ACENAPHTHENE	4	1	25	0.3	0.3J	0.3J	1	1	0	0	370	NA
ACENAPHTHYLENE	4	0	0	--	--	--	1	1	--	--	NA	NA
ANTHRACENE	4	1	25	0.3	0.3J	0.3J	1	1	0	0	1,800	NA
BENZO(A)ANTHRACENE	4	1	25	**0.6**	**0.6J**	**0.6J**	**1**	**1**	1	3	0.09	0.1
BENZO(A)PYRENE	4	1	25	**0.4**	**0.4J**	**0.4J**	**1**	**1**	1	3	0.009	0.2
BENZO(B)FLUORANTHENE	4	1	25	**0.8**	**0.8J**	**0.8J**	**1**	**1**	1	3	0.09	NA
BENZO(G,H,I)PERYLENE	4	1	25	0.1	0.1J	0.1J	1	1	--	--	NA	NA
BENZO(K)FLUORANTHENE	4	0	0	--	--	--	**1**	**1**	0	4	0.06	NA
BIS(2-CHLOROETHOXY)METHANE	4	0	0	--	--	--	1	1	--	--	NA	NA
BIS(2-CHLOROETHYL)ETHER	4	0	0	--	--	--	**1**	**1**	0	4	0.01	NA
BIS(2-ETHYLHEXYL)PHTHALATE	4	0	0	--	--	--	1	1	0	0	5	NA
BUTYLBENZYLPHTHALATE	4	0	0	--	--	--	1	1	0	0	7,300	NA
CARBAZOLE	4	1	25	1	1J	1J	1	1	0	0	3	NA
CHRYSENE	4	1	25	0.5	0.5J	0.5J	**1**	**1**	0	3	0.6	NA
DI-N-BUTYLPHTHALATE	4	0	0	--	--	--	1	1	--	--	NA	NA

TABLE 7-14: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

TPH Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Semivolatile Organic Compounds (µg/L)												
DI-N-OCTYLPHTHALATE	4	0	0	--	--	--	1	1	--	--	NA	NA
DIBENZO(A,H)ANTHRACENE	4	0	0	--	--	--	**1**	**1**	0	4	0.009	NA
DIBENZOFURAN	4	1	25	0.2	0.2J	0.2J	1	1	0	0	24	NA
DIETHYLPHTHALATE	4	0	0	--	--	--	1	1	0	0	29,000	NA
DIMETHYLPHTHALATE	4	0	0	--	--	--	1	1	0	0	360,000	NA
FLUORANTHENE	4	1	25	1	1	1	1	1	0	0	1,500	NA
FLUORENE	4	1	25	0.3	0.3J	0.3J	1	1	0	0	240	NA
HEXACHLOROBENZENE	4	0	0	--	--	--	**1**	**1**	0	4	0.04	1
HEXACHLOROBUTADIENE	4	0	0	--	--	--	**1**	**1**	0	4	0.9	NA
HEXACHLOROCYCLOPENTADIENE	4	0	0	--	--	--	1	1	0	0	220	NA
HEXACHLOROETHANE	4	0	0	--	--	--	1	1	0	0	5	NA
INDENO(1,2,3-CD)PYRENE	4	1	25	**0.1**	**0.1J**	**0.1J**	**1**	**1**	1	3	0.09	NA
ISOPHORONE	4	0	0	--	--	--	1	1	0	0	71	NA
N-NITROSO-DI-N-PROPYLAMINE	4	0	0	--	--	--	**1**	**1**	0	4	0.01	NA
N-NITROSODIPHENYLAMINE	4	0	0	--	--	--	1	1	0	0	14	NA
NAPHTHALENE	4	1	25	0.3	0.3J	0.3J	1	1	0	0	6	NA
NITROBENZENE	4	0	0	--	--	--	1	1	0	0	3	NA
PENTACHLOROPHENOL	4	0	0	--	--	--	**3**	**3**	0	4	0.6	1
PHENANTHRENE	4	1	25	1	1	1	1	1	--	--	NA	NA
PHENOL	4	0	0	--	--	--	1	1	0	0	22,000	NA
PYRENE	4	1	25	0.9	0.9J	0.9J	1	1	0	0	180	NA
Polynuclear Aromatic Hydrocarbons (µg/L)												
FLUORENE	1	1	100	7	6.6	6.6	0	0	0	0	240	NA
PYRENE	1	1	100	6	6.4	6.4	0	0	0	0	180	NA
Total Petroleum Hydrocarbons (mg/L)												
DIESEL RANGE ORGANICS	75	37	49	15	0.063	250	0.05	1	--	--	NA	NA
GASOLINE RANGE ORGANICS	73	19	26	7	0.084	41	0.05	0.2	--	--	NA	NA
JET FUEL	49	9	18	12	0.052	35	0.05	2.5	--	--	NA	NA
JP5 RANGE ORGANICS	18	3	17	29	0.83J	55	0.1	5.6	--	--	NA	NA

TABLE 7-14: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

TPH Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Tap Water PRG	MCL
Total Petroleum Hydrocarbons (mg/L)												
MOTOR OIL RANGE ORGANICS	64	7	11	38	0.24J	210	0.1	20	--	--	NA	NA
Metals (µg/L)												
Filtered												
LEAD	16	3	19	13.3	9.8	18	3	3	--	--	NA	15.0

TABLE 7-14: SITE 11 STATISTICAL SUMMARY OF GROUNDWATER ANALYSES

TPH Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

NOTES:

Bold denotes values exceeding the PRG

--	Not detected
J	Estimated value
MCL	Maximum Contaminant Level
mg/L	Milligrams per liter
NA	No criteria available
PRG	Preliminary Remediation Goal, U.S. Environmental Protection Agency, Region 9 or Cal-modified (2002)
µg/L	Micrograms per liter

TABLE 7-15: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES

All Soil Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Volatile Organic Compounds (ug/kg)											
1,1,1,2-TETRACHLOROETHANE	1	0	0	--	--	--	2	2	--	--	NA
1,1,1-TRICHLOROETHANE	100	0	0	--	--	--	2	11,000	0	0	1,200,000
1,1,2,2-TETRACHLOROETHANE	93	0	0	--	--	--	2	**11,000**	0	2	410
1,1,2-TRICHLOROETHANE	93	0	0	--	--	--	2	**11,000**	0	2	730
1,1-DICHLOROETHANE	93	0	0	--	--	--	2	**11,000**	0	1	2,800
1,1-DICHLOROETHENE	100	0	0	--	--	--	2	11,000	0	0	120,000
1,2,4-TRIMETHYLBENZENE	9	0	0	--	--	--	10	10	0	0	52,000
1,2-DICHLOROBENZENE	1	0	0	--	--	--	2	2	0	0	370,000
1,2-DICHLOROETHANE	100	0	0	--	--	--	2	**11,000**	0	2	280
1,2-DICHLOROETHENE (TOTAL)	56	0	0	--	--	--	10	11,000	0	0	43,000
1,2-DICHLOROPROPANE	92	0	0	--	--	--	5.2	**11,000**	0	2	340
1,3,5-TRIMETHYLBENZENE	9	0	0	--	--	--	10	10	0	0	21,000
1,3-DICHLOROBENZENE	1	0	0	--	--	--	2	2	0	0	16,000
1,4-DICHLOROBENZENE	1	0	0	--	--	--	2	2	0	0	3,400
2-BUTANONE	90	0	0	--	--	--	10	11,000	--	--	NA
2-HEXANONE	83	0	0	--	--	--	6	11,000	--	--	NA
4-METHYL-2-PENTANONE	83	3	4	15,000	11	45,000	10	1,200	--	--	NA
ACETONE	83	4	5	230	20 J	490	10	11,000	0	0	1,600,000
BENZENE	166	2	1	38	1.2	74	0.5	**11,000**	0	2	600
BROMODICHLOROMETHANE	92	0	0	--	--	--	5.2	**11,000**	0	2	820
BROMOFORM	92	0	0	--	--	--	5.2	11,000	0	0	62,000
BROMOMETHANE	92	0	0	--	--	--	5.2	**11,000**	0	1	3,900
CARBON DISULFIDE	83	4	5	4	2 J	5 J	5.2	11,000	0	0	360,000
CARBON TETRACHLORIDE	92	0	0	--	--	--	5.2	**11,000**	0	2	250
CHLOROBENZENE	93	1	1	2	2 J	2 J	2	11,000	0	0	150,000
CHLOROETHANE	93	0	0	--	--	--	2	**11,000**	0	1	3,000
CHLOROFORM	92	1	1	2	2 J	2 J	5.2	**11,000**	0	2	940
CHLOROMETHANE	93	0	0	--	--	--	2	**11,000**	0	1	1,200
CIS-1,2-DICHLOROETHENE	23	1	4	15	15	15	2	10	0	0	43,000
CIS-1,3-DICHLOROPROPENE	92	0	0	--	--	--	5.2	**11,000**	0	2	780
DIBROMOCHLOROMETHANE	92	0	0	--	--	--	5.2	**11,000**	0	2	1,100

TABLE 7-15: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

All Soil Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Volatile Organic Compounds (ug/kg)											
ETHYLBENZENE	166	1	1	120	120	120	0.5	**11,000**	0	1	8,900
ETHYLENE DIBROMIDE	21	0	0	--	--	--	0.314	0.526	--	--	NA
HEXANE	13	0	0	--	--	--	5.2	20	0	0	110,000
M,P-XYLENE	8	0	0	--	--	--	2	20	0	0	270,000
METHYL-T-BUTYL ETHER	55	0	0	--	--	--	2	**28,000**	0	1	17,000
METHYLENE CHLORIDE	100	2	2	23	21 J	25	2	**11,000**	0	1	9,100
NAPHTHALENE	1	0	0	--	--	--	2	2	0	0	56,000
O-XYLENE	14	0	0	--	--	--	2	10	0	0	270,000
STYRENE	92	0	0	--	--	--	5.2	11,000	0	0	1,700,000
TETRACHLOROETHENE	100	0	0	--	--	--	2	**11,000**	0	1	1,500
TOLUENE	166	3	2	40	6.2	89	0.5	11,000	0	0	520,000
TRANS-1,2-DICHLOROETHENE	44	0	0	--	--	--	2	31	0	0	69,000
TRANS-1,3-DICHLOROPROPENE	92	0	0	--	--	--	5.2	**11,000**	0	2	780
TRICHLOROETHENE	100	0	0	--	--	--	2	**11,000**	0	4	53
TRICHLOROFLUOROMETHANE	6	0	0	--	--	--	5.2	6	0	0	390,000
VINYL ACETATE	27	0	0	--	--	--	5.2	63	0	0	430,000
VINYL CHLORIDE	100	0	0	--	--	--	2	**11,000**	0	4	79
XYLENE (TOTAL)	158	5	3	53	2 J	180	0.5	11,000	0	0	270,000
Semivolatile Organic Compounds (µg/kg)											
1,2,4-TRICHLOROBENZENE	64	0	0	--	--	--	35	3,600	0	0	650,000
1,2-DICHLOROBENZENE	64	0	0	--	--	--	17	1,800	0	0	370,000
1,3-DICHLOROBENZENE	64	0	0	--	--	--	17	1,800	0	0	16,000
1,4-DICHLOROBENZENE	64	0	0	--	--	--	17	1,800	0	0	3,400
2,2'-OXYBIS(1-CHLOROPROPANE)	64	0	0	--	--	--	35	3,600	--	--	NA
2,4,5-TRICHLOROPHENOL	64	0	0	--	--	--	84	8,800	0	0	6,100,000
2,4,6-TRICHLOROPHENOL	64	0	0	--	--	--	35	3,600	0	0	6,900
2,4-DICHLOROPHENOL	64	0	0	--	--	--	35	3,600	0	0	180,000
2,4-DIMETHYLPHENOL	64	1	2	38	38 J	38 J	35	5,800	0	0	1,200,000
2,4-DINITROPHENOL	51	0	0	--	--	--	84	15,000	0	0	120,000
2,4-DINITROTOLUENE	64	0	0	--	--	--	35	3,600	0	0	120,000

TABLE 7-15: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

All Soil Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Semivolatile Organic Compounds (ug/kg)											
2,6-DINITROTOLUENE	64	0	0	--	--	--	35	3,600	0	0	61,000
2-CHLORONAPHTHALENE	64	0	0	--	--	--	35	3,600	--	--	NA
2-CHLOROPHENOL	64	0	0	--	--	--	35	3,600	0	0	63,000
2-METHYLPHENOL	64	0	0	--	--	--	35	3,600	--	--	NA
2-NITROANILINE	64	0	0	--	--	--	84	**8,800**	0	7	1,700
2-NITROPHENOL	64	0	0	--	--	--	35	3,600	--	--	NA
3,3'-DICHLOROBENZIDINE	64	0	0	--	--	--	35	**5,800**	0	8	1,100
3-NITROANILINE	64	0	0	--	--	--	84	8,800	--	--	NA
4,6-DINITRO-2-METHYLPHENOL	64	0	0	--	--	--	84	12,000	--	--	NA
4-BROMOPHENYL-PHENYLETHER	64	0	0	--	--	--	35	3,600	--	--	NA
4-CHLORO-3-METHYLPHENOL	64	0	0	--	--	--	35	3,600	--	--	NA
4-CHLOROANILINE	64	0	0	--	--	--	35	3,600	0	0	240,000
4-CHLOROPHENYL-PHENYLETHER	64	0	0	--	--	--	35	3,600	--	--	NA
4-METHYLPHENOL	64	0	0	--	--	--	35	3,600	0	0	310,000
4-NITROANILINE	64	0	0	--	--	--	84	8,800	--	--	NA
4-NITROPHENOL	64	0	0	--	--	--	84	8,800	--	--	NA
ANILINE	2	0	0	--	--	--	360	360	0	0	85,000
AZOBENZENE	2	0	0	--	--	--	360	360	0	0	4,400
BENZIDINE	2	0	0	--	--	--	**360**	**360**	0	2	2
BENZOIC ACID	27	0	0	--	--	--	350	3,500	0	0	100,000,000
BENZYL ALCOHOL	29	0	0	--	--	--	150	3,500	0	0	18,000,000
BIS(2-CHLOROETHOXY)METHANE	64	0	0	--	--	--	35	3,600	--	--	NA
BIS(2-CHLOROETHYL)ETHER	64	0	0	--	--	--	35	**3,600**	0	23	210
BIS(2-ETHYLHEXYL)PHTHALATE	64	7	11	2,000	29 J	13,000 J	13	1,400	0	0	35,000
BUTYLBENZYLPHTHALATE	64	0	0	--	--	--	35	3,600	0	0	12,000,000
CARBAZOLE	35	7	20	180	5 J	940 J	35	3,600	0	0	24,000
DI-N-BUTYLPHTHALATE	64	3	5	77	28 J	110 J	14	3,600	--	--	NA
DI-N-OCTYLPHTHALATE	63	0	0	--	--	--	35	3,600	--	--	NA
DIBENZOFURAN	64	3	5	83	9 J	170 J	35	3,600	0	0	290,000
DIETHYLPHTHALATE	64	0	0	--	--	--	35	3,600	0	0	49,000,000
DIMETHYLPHTHALATE	64	0	0	--	--	--	35	3,600	0	0	100,000,000

TABLE 7-15: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

All Soil Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Semivolatile Organic Compounds (µg/kg)											
HEXACHLOROBENZENE	64	0	0	--	--	--	35	**3,600**	0	23	300
HEXACHLOROBUTADIENE	64	0	0	--	--	--	35	3,600	0	0	6,200
HEXACHLOROCYCLOPENTADIENE	64	0	0	--	--	--	35	12,000	0	0	370,000
HEXACHLOROETHANE	64	0	0	--	--	--	35	3,600	0	0	35,000
ISOPHORONE	64	0	0	--	--	--	35	3,600	0	0	510,000
N-NITROSO-DI-N-PROPYLAMINE	64	0	0	--	--	--	35	**3,600**	0	53	69
N-NITROSODIMETHYLAMINE	2	0	0	--	--	--	**360**	**360**	0	2	10
N-NITROSODIPHENYLAMINE	64	0	0	--	--	--	35	3,600	0	0	99,000
NITROBENZENE	64	0	0	--	--	--	35	3,600	0	0	20,000
PENTACHLOROPHENOL	64	0	0	--	--	--	84	**8,800**	0	6	3,000
PHENOL	64	0	0	--	--	--	35	3,600	0	0	37,000,000
Polynuclear Aromatic Hydrocarbons (µg/kg)											
2-METHYLNAPHTHALENE	80	39	49	14	0.28J	360	5	100	--	--	NA
ACENAPHTHENE	80	29	36	93	0.27J	2,000	5	100	0	0	3,700,000
ACENAPHTHYLENE	80	26	33	6	0.18J	68	5	100	--	--	NA
ANTHRACENE	81	47	58	190	0.25J	5,300	5	100	0	0	22,000,000
BENZ(A)ANTHRACENE	80	62	78	570	0.33J	19,000	5	100	--	--	NA
BENZO(A)ANTHRACENE	2	2	100	**830**	260	**1,400**	0	0	1	0	620
BENZO(A)PYRENE	81	65	80	**290**	0.35J	**8,800**	5	**100**	14	1	62
BENZO(B)FLUORANTHENE	82	68	83	480	0.26J	**17,000**	5	6	5	0	620
BENZO(G,H,I)PERYLENE	80	65	81	120	0.55J	2,900	5	100	--	--	NA
BENZO(K)FLUORANTHENE	81	61	75	160	0.18J	**3,600**	5	100	6	0	380
CHRYSENE	82	68	83	490	0.21J	**15,000**	5	100	2	0	3,800
DIBENZ(A,H)ANTHRACENE	80	45	56	52	0.22J	1,100	5	100	--	--	NA
FLUORANTHENE	83	71	86	1,400	0.26J	44,000	5	100	0	0	2,300,000
FLUORENE	80	29	36	110	0.27J	2,600	5	100	0	0	2,700,000
INDENO(1,2,3-CD)PYRENE	80	56	70	110	0.82J	**2,400**	5	100	3	0	620
NAPHTHALENE	80	47	59	16	0.22J	510	5	100	0	0	56,000
PHENANTHRENE	81	63	78	1,100	0.19J	32,000	5	100	--	--	NA
PYRENE	83	68	82	1,500	0.56J	47,000	5	100	0	0	2,300,000

TABLE 7-15: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

All Soil Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
PCBs/Pesticides (ug/kg)											
4,4'-DDD	3	0	0	--	--	--	3.7	4.6	0	0	2,400
4,4'-DDE	3	0	0	--	--	--	3.7	4.6	0	0	1,700
4,4'-DDT	3	0	0	--	--	--	3.7	4.6	0	0	1,700
ALDRIN	3	0	0	--	--	--	1.9	2.4	0	0	29
ALPHA-BHC	3	0	0	--	--	--	1.9	2.4	--	--	NA
ALPHA-CHLORDANE	3	1	33	3	2.7	2.7	1.9	2.3	0	0	1,600
AROCLOR-1016	9	0	0	--	--	--	16	46	0	0	3,900
AROCLOR-1221	9	0	0	--	--	--	22	94	0	0	220
AROCLOR-1232	9	0	0	--	--	--	16	46	0	0	220
AROCLOR-1242	9	0	0	--	--	--	16	46	0	0	220
AROCLOR-1248	9	0	0	--	--	--	16	46	0	0	220
AROCLOR-1254	9	1	11	30	30	30	16	46	0	0	220
AROCLOR-1260	9	3	33	120	24 J	**230**	16	46	1	0	220
BETA-BHC	3	0	0	--	--	--	1.9	2.4	--	--	NA
DELTA-BHC	3	0	0	--	--	--	1.9	2.4	--	--	NA
DIELDRIN	3	0	0	--	--	--	3.7	4.6	0	0	30
ENDOSULFAN I	3	0	0	--	--	--	1.9	2.4	0	0	370,000
ENDOSULFAN II	3	0	0	--	--	--	3.7	4.6	0	0	370,000
ENDOSULFAN SULFATE	3	0	0	--	--	--	3.7	4.6	--	--	NA
ENDRIN	3	0	0	--	--	--	3.7	4.6	0	0	18,000
ENDRIN ALDEHYDE	3	0	0	--	--	--	3.7	4.6	--	--	NA
ENDRIN KETONE	3	0	0	--	--	--	3.7	4.6	--	--	NA
GAMMA-BHC (LINDANE)	3	0	0	--	--	--	1.9	2.4	--	--	NA
GAMMA-CHLORDANE	3	0	0	--	--	--	1.9	2.4	0	0	1,600
HEPTACHLOR	3	0	0	--	--	--	1.9	2.4	0	0	110
HEPTACHLOR EPOXIDE	3	0	0	--	--	--	1.9	2.4	0	0	53
METHOXYCHLOR	3	0	0	--	--	--	19	24	0	0	310,000
TOXAPHENE	3	0	0	--	--	--	190	240	0	0	440
Total Petroleum Hydrocarbons (mg/kg)											
DIESEL RANGE ORGANICS	165	45	27	100	1.3	1,300 J	0.05	570	--	--	NA

TABLE 7-15: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES (Continued)

All Soil Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Analyte	Number of Samples Analyzed	Number of Detections	Percent of Detections	Average of Detected Concentration	Minimum Detected Concentration	Maximum Detected Concentration	Minimum Non-detected Concentration	Maximum Non-detected Concentration	Number of Detections Over PRG	Number of Non-detects Over PRG	Residential PRG
Total Petroleum Hydrocarbons (mg/kg)											
GASOLINE RANGE ORGANICS	159	23	14	210	0.3 J	2,000 J	0.05	50	--	--	NA
JET FUEL	55	15	27	490	1.2	4,300	0.05	200	--	--	NA
JP5 RANGE ORGANICS	80	7	9	830	16 J	2,200 J	7.9	82	--	--	NA
MOTOR OIL RANGE ORGANICS	152	57	38	280	7 J	3,500	0.25	1,010	--	--	NA
Metals (mg/kg)											
ALUMINUM	92	91	99	6,900	3,150	25,900	4,150	4,150	0	0	76,000
ANTIMONY	100	9	9	1.2	0.5 J	2.6	0.4	25	0	0	31.0
ARSENIC	92	86	93	**2.3**	**0.53 J**	**8.91**	**0.53**	**2.7**	86	6	0.39
BARIUM	92	91	99	38.5	10.3 J	132	24.8	24.8	0	0	5,400
BERYLLIUM	100	62	62	0.86	0.09 J	5.7	0.042	25	0	0	150
CADMIUM	100	13	13	1.5	0.12 J	4.32	0.02	25	0	0	37.0
CALCIUM	92	91	99	3,700	971	28,700	3,170	3,170	--	--	NA
CHROMIUM	100	91	91	35.0	5.3	**242**	1.7	31.7	1	0	210
COBALT	92	91	99	7.3	2.8 J	36.1	4.7	4.7	0	0	900
COPPER	100	88	88	15.3	4.77	101 J	3	25	0	0	3,100
IRON	92	91	99	12,400	6,430	**33,200**	8,360	8,360	5	0	23,000
LEAD	115	94	82	17.1	0.775 J	**242**	0.34	25	1	0	150
MAGNESIUM	92	91	99	3,890	1,780	15,300	2,000	2,000	--	--	NA
MANGANESE	92	91	99	188	60.6	865 J	95.6	95.6	0	0	1,800
MERCURY	100	19	19	0.33	0.07 J	1.34	0.05	**25**	0	8	23.0
MOLYBDENUM	64	1	2	0.87	0.87 J	0.87 J	0.14	4.4	0	0	390
NICKEL	100	96	96	36.4	6.75	120	3.3	25	0	0	1,600
POTASSIUM	92	87	95	786	176 J	3,650	390	845	--	--	NA
SELENIUM	92	4	4	0.55	0.28	1.13	0.17	0.83	0	0	390
SILVER	100	5	5	0.98	0.651	1.8	0.084	25	0	0	390
SODIUM	92	57	62	564	80.3	4,420	20	112	--	--	NA
THALLIUM	92	5	5	1.3	0.55 J	2.6	0.247	0.64	0	0	5.2
VANADIUM	92	91	99	26.5	14.1	82.5	19.3	19.3	0	0	550
ZINC	100	99	99	35.0	14.4	196	15.4	15.4	0	0	23,000

TABLE 7-15: SITE 11 STATISTICAL SUMMARY OF SOIL ANALYSES

All Soil Investigations

Remedial Investigation Report for CERCLA Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

NOTES:

Bold denotes values exceeding the PRG

--	Not detected
BHC	Benzene Hexachloride
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethene
DDT	Dichlorodiphenyltrichloroethane
J	Estimated value
mg/kg	Milligrams per kilogram
NA	No PRG available
PCB	Polychlorinated biphenyl
PRG	Preliminary Remediation Goal, U.S. Environmental Protection Agency, Region 9 or Cal-modified (2002)
µg/kg	Micrograms per kilogram

TABLE 7-16: SITE 11 SOIL NATURE AND EXTENT EVALUATION SUMMARY

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

ANALYTICAL GROUP / CHEMICAL	EXCEEDS SCREENING LEVELS?	USED BY THE NAVY AT THE SITE?	RISK DRIVER?	BACKGROUND METAL?[1]	RELATED TO SITE ACTIVITY?	DATA GAP?
Metals						
Arsenic	Yes	No	No	Yes	No	No
Chromium	Yes	No	No	Yes	No	No
Copper	No	Yes	Yes	No	Yes	No
Iron	Yes	No	No	No	No	No
Lead	Yes	Yes	No	Yes	Yes	Yes
PCBs						
Aroclor-1260	Yes	Yes	Yes	--	Yes	No
PAHs						
Benzo(a)pyrene	Yes	No	Yes	--	No	No
Total Petroleum Hydrocarbons						
Diesel	--	Yes	No	--	Yes	No
Gasoline	--	Yes	No	--	Yes	No
Motor Oil	--	Yes	No	--	Yes	No

Notes:

-- Does not apply to these chemicals

1 Based on the background comparison

TABLE 7-17: SITE 11 HHRA SUMMARY FOR SOIL

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Exposure Scenarios			Site 11[a]	
			Cancer	Non-cancer[b]
Residential				
0-2 feet bgs	RME	Adult	2E-05	0.8
		Child	2E-05	2
		Total Risk	4E-05	NA
	CTE	Adult	2E-06	0.2
		Child	1E-05	0.9
		Total Risk	1E-05	NA
0-8 feet bgs	RME	Adult	2E-05	0.7
		Child	2E-05	2
		Total Risk	4E-05	NA
	CTE	Adult	2E-06	0.2
		Child	8E-06	1
		Total Risk	1E-05	NA
Commercial/Industrial				
0-2 feet bgs	RME	Adult	1E-05	0.2
		Total Risk	1E-05	NA
	CTE	Adult	5E-07	0.1
		Total Risk	5E-07	NA
0-8 feet bgs	RME	Adult	8E-06	0.1
		Total Risk	8E-06	NA
	CTE	Adult	4E-07	0.1
		Total Risk	8E-06	NA
Construction Worker				
0-2 feet bgs	RME	Adult	1E-06	0.5
		Total Risk	1E-06	NA
	CTE	Adult	7E-08	0.03
		Total Risk	7E-08	NA
0-8 feet bgs	RME	Adult	8E-07	0.4
		Total Risk	8E-07	NA
	CTE	Adult	6E-08	0.03
		Total Risk	6E-08	NA

Notes:

a	Includes risk from background.
b	Non-cancer risk does not include risk from lead
bgs	Below ground surface
CTE	Central tendency exposure
RME	Reasonable maximum exposure
NA	Not applicable

TABLE 7-18: SITE 11 HHRA REASONABLE MAXIMUM EXPOSURE COMMERCIAL/INDUSTRIAL RISK DRIVERS FOR SURFACE SOIL

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Commercial/Industrial Scenario
Receptor: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient for a Child[a,b]				
				Ingestion	Dermal	Produce	Inhalation	Exposure Routes Total	Ingestion	Dermal	Produce	Inhalation	Exposure Routes Total
Surface Soil (0-2 ft bgs)	Soil	Surface Soil/ Particulates	Arsenic	1.E-06	2.E-07	--	--		--	--	--	--	--
			Benzo(a)pyrene	4.E-06	3.E-06	--	--		--	--	--	--	--
			Chemical Total	5.E-06	3.E-06	0.E+00	0.E+00	0.E+00					
		Exposure Point Total						0.E+00					
	Vapors	Vapors from Surface Soil to Outdoor Air	No volatile COPCs	--	--	--	--	--	--	--	--	--	--
				--	--	--	--	--	--	--	--	--	--
			Chemical Total										
		Exposure Point Total											
Medium Total								0.E+00					

Notes:

--	Not applicable or available
a	Based RME assumptions
b	Non-cancer risk does not include risk from leac
COPC	Chemical of potential concerr
ft bgs	Feet below ground surface

TABLE 7-19: SITE 11 HHRA REASONABLE MAXIMUM EXPOSURE COMMERCIAL/INDUSTRIAL RISK DRIVERS FOR SUBSURFACE SOIL

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Commercial/Industrial Scenario

Receptor: Adult

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient for Child [a,b]				
				Ingestion	Dermal	Produce	Inhalation	Exposure Routes Total	Ingestion	Dermal	Produce	Inhalation	Exposure Routes Total
Subsurface Soil (0-8 ft bgs)	Soil	Surface Soil/ Particulates	Arsenic	2.E-06	5.E-07	--	--	1.E-06	--	--	--	--	--
			Benzo(a)pyrene	2.E-06	2.E-06	--	--	1.E-05	--	--	--	--	--
			Chemical Total	4.E-06	2.E-06	0.E+00	0.E+00	1.E-05					
		Exposure Point Total						1.E-05					
	Vapors	Vapors from Surface Soil to Outdoor Air	No volatile COPCs	--	--	--	--	--	--	--	--	--	--
				--	--	--	--	--	--	--	--	--	--
			Chemical Total										
		Exposure Point Total											
Medium Total								1.E-05					

Notes:

--	Not applicable or not available
a	Based RME assumptions
b	Non-canncer risk does not include risk from lead
COPC	Chemical of potential concern
ft bgs	Feet below ground surface

TABLE 7-20: SITE 11 HHRA REASONABLE MAXIMUM EXPOSURE RESIDENTIAL RISK DRIVERS FOR SURFACE SOIL
Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Residential Scenario

Receptor: Adult/Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient for a Child[a,b]				
				Ingestion	Dermal	Produce	Inhalation	Exposure Route Total	Ingestion	Dermal	Produce	Inhalation	Exposure Route Total
Surface Soil (0-2 ft bgs)	Soil	Surface Soil/ Particulates	Aroclor-1260	7.E-07	3.E-07	2.E-08	5.E-11	1.E-06					
			Arsenic	6.E-06	5.E-07	8.E-06	4.E-09	1.E-05					
			Benzo(a)anthracene	8.E-07	3.E-07	2.E-08	6.E-11	1.E-06					
			Benzo(a)pyrene	2.E-05	7.E-06	2.E-07	1.E-09	2.E-05					
			Dibenzo(a,h)anthracene	9.E-07	4.E-07	9.E-09	7.E-11	1.E-06					
			Chemical Total	2.E-05	8.E-06	8.E-06	5.E-09	4.E-05					0.0
		Exposure Point Total						4.E-05					0.0
	Vapors	Vapors from Surface Soil to Outdoor Air	No volatile COPCs										
			Chemical Total					0.E+00					0.0
		Exposure Point Total						0.E+00					0.0
Medium Total								4.E-05					0.0

Notes:

–	Not applicable or available
a	Based RME assumptions
b	Non-cancer risk does not include risk from lead
COPC	Chemical of potential concerr
ft bgs	*Feet below ground surface*

TABLE 7-21: SITE 11 HHRA REASONABLE MAXIMUM EXPOSURE RESIDENTIAL RISK DRIVERS FOR SUBSURFACE SOIL

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Residential Scenario

Receptor: Adult/Child

Medium	Exposure Medium	Exposure Point	Chemical of Potential Concern	Carcinogenic Risk					Non-Carcinogenic Hazard Quotient for a Child[a,b]			
				Ingestion	Dermal	Produce	Inhalation	Exposure Route Total	Ingestion	Dermal	Inhalation	Exposure Route Total
Surface Soil (0-8 ft bgs)	Soil	Surface Soil/ Particulates	Arsenic	6.E-06	6.E-07	8.E-06	4.E-09	1.E-05				
			Benzo(a)anthracene	2.E-06	8.E-07	4.E-08	1.E-10	3.E-06				
			Benzo(a)pyrene	9.E-06	4.E-06	1.E-07	6.E-10	1.E-05				
			Benzo(b)fluoranthene	2.E-06	7.E-07	3.E-08	1.E-10	2.E-06				
			Dibenzo(a,h)anthracene	1.E-06	5.E-07	1.E-08	9.E-11	2.E-06				
			Chemical Total	2.E-05	6.E-06	8.E-06	5.E-09	3.E-05				0.0
		Exposure Point Total						3.E-05				0.0
	Vapors	Vapors from Surface Soil to Outdoor Air	No volatile COPCs									
			Chemical Total					0.E+00				0.0
		Exposure Point Total						0.E+00				0.0
Medium Total								3.E-05				0.0

Notes:

--	Not applicable or available
a	Based RME assumptions
b	Non-canncer risk does not include risk from lead
COPC	Chemical of potential concern
ft bgs	Feet below ground surface

TABLE 7-22: SITE 11 CHEMICALS OF POTENTIAL ECOLOGICAL CONCERN FOR SOIL

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

Chemical	Screening Evaluation	
	Rejected	Retained
Metals (mg/kg)		
Aluminum[a]	CSB	
Antimony[b]	CSB	
Arsenic[a]	CSB	
Barium[a]	CSB	
Beryllium[c]		X
Cadmium[b]	CSB	
Calcium[a]	EN	
Chromium[a]	CSB	
Cobalt[a]		X
Copper[a]		X
Iron[a]	EN	
Lead[a]		X
Magnesium[a]	EN	
Manganese[a]		X
Mercury[b]	CSB	
Nickel[c]	CSB	
Potassium[a]	EN	
Selenium[b]	FOD	
Silver[b]	CSB	
Sodium[e]	EN	
Vanadium[a]		X
Zinc[e]		X
SVOCs (mg/kg)		
2-Methylnaphthalene[b]		X
Acenaphthene[b]		X
Acenaphthylene[b]		X
Anthracene[e]		X
Benzo(a)anthracene[a]		X
Benzo(a)pyrene[e]		X
Benzo(b)fluoranthene[a]		X
Benzo(g,h,i)perylene[a]		X
Benzo(k)fluoranthene[a]		X
Chrysene[a]		X
Dibenz(a,h)anthracene[e]		X
Fluoranthene[a]		X
Fluorene[b]		X
Indeno(1,2,3-cd)pyrene[e]		X
Naphthalene[e]		X
Phenanthrene[e]		X
Pyrene[e]		X
VOCs (mg/kg)		
Chloroform[b]		X

Notes:

a	Distribution determined to be lognormal
b	Distribution not tested
c	Distribution determined to be normal
d	Distribution determined to be unknown, but assumed to be normal based on examination of
e	Distribution determined to be unknown, but assumed to be lognormal based on examination of
COPEC	Chemical of potenial ecological concern
CSB	Concentrations within statistical background
EN	Essential nutrient
FOD	Frequency of detection 5 percent or lower
mg/kg	Millogram per kilogram
SVOC	Semivolatile organic chemical
VOC	Volatile organic chemical

Continue

TABLE 7-23: SITE 11 ERA SOIL HAZARD QUOTIENTS

Remedial Investigation Report for Sites 3, 4, 11, and 21, Alameda Point, Alameda, California

	Measurement Endpoint							
	Reproductive or Physiological Impact to the California Ground Squirrel		Reproductive or Physiological Impact to the Alameda Song Sparrow		Reproductive or Physiological Impact to the American Robin		Reproductive or Physiological Impact to the Red-tailed Hawk	
	Hazard Quotient							
COPEC	High TRV	Low TRV	High TRV	Low TRV	High TRV	Low TRV	High TRV	Low TRV
Beryllium	2.73E-03[a]	2.73E-02[a]	QE	QE	QE	QE	QE	QE
Cobalt	1.47E-02[b]	1.81E-01[b]	QE	QE	QE	QE	QE	QE
Copper	1.00E-02[a]	1.97E+00[a]	8.18E-04[a]	1.09E-02[a]	2.74E-03[a]	3.64E-02[a]	5.38E-03[a]	7.15E-02[a]
Lead	5.60E-02[a]	1.40+00[b]	5.07E-03[b]	3.69E+01[b]	1.75E-02[b]	1.28E+02[b]	4.08E-02[b]	2.99E+02[b]
Alternate Lead TRV[c]	NA	NA	NA	1.02E-01[b]	NA	3.53E-01[b]	NA	8.22E-01[b]
Manganese	3.93E-01[b]	3.94E+00[b]	2.46E-03[b]	2.46E-02[b]	7.91E-03[b]	7.91E-02[b]	3.86E-02[b]	3.86E-01[b]
Vanadium	3.56E-01[b]	3.56E+00[b]	2.25E-04[a]	2.25E-03[a]	7.24E-04[a]	7.24E-03[a]	3.73E-03[a]	3.73E-02[a]
Zinc	8.01E-03[b]	2.09E+00[a]	6.18E-04[a]	6.18E-03[a]	1.96E-03[a]	1.96E-02[a]	1.11E-02[a]	1.11E-01[a]
HMW PAHs	1.46E-02[a]	3.65E-01[a]	QE	QE	QE	QE	QE	QE
LMW PAHs	7.13E-05[b]	2.09E-04[b]	QE	QE	QE	QE	QE	QE
Chloroform	1.17E-05[b]	3.20E-05[b]	QE	QE	QE	QE	QE	QE

Notes:

[a] TRV based on physiological effect

[b] TRV based on reproductive effect

[c] The Navy-established avian low TRV of 0.014 mg/kg-day is considered highly conservative. For comparison purposes, an alternate, less conservative low TRV of 3.85 mg/kg-day was used (Sample and others 1996).

COPEC Chemical of potential ecological concern
ERA Ecological risk assessment
HMW High molecular weight
LMW Low molecular weight
NA Not applicable
PAH Polynuclear aromatic hydrocarbon
QE No TRV developed for COPEC or endpoint receptor; qualitative evaluation only
TRV Toxicity reference value

Reference: Sample, B.E., and others. 1996. "Toxicological Benchmarks for Wildlife: 1996 Revision." ES/ER/TM-86/R3. Oak Ridge National Laboratory. Oak Ridge, Tennessee.