N60258_001081
NSY LONG BEACH
SSIC NO. 5090.3.A

DEPARTMENT OF THE NAVY
SOUTHWEST DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
1220 PACIFIC HIGHWAY
SAN DIEGO, CA 92132-5190

5090.~~4~~ 3
Ser 05BN.DR/0109
April 27, 1999

Mr. Alvaro Gutierrez
California Environmental Protection Agency
Department of Toxic Substances Control
5796 Corporate Way
Cypress, CA 90630

Dear Mr. Gutierrez:

Enclosure (1) is provided for your information and is a summary of the recent sampling performed in March and February 1999 as identified in the Work Plan Addendum #2 for the Group B Areas of Concern Investigation (AOC) at the Long Beach Naval Shipyard. In addition, enclosure (1) also includes data from the field sampling that occurred in June 1998. This information is in pre-draft form and the sampling data has not been validated, so no interpretations or recommendations have been proposed at this time. The "Validated" data (along with appropriate recommendations) will be included with the Draft version of the Preliminary Assessment Report for the Group B AOCs due out in late June 1999.

No formal response to this data is requested at this time but if you have any questions or concerns regarding this matter, please contact Mr. Duane Rollefson at (619) 532-4712.

Sincerely,

FAIQ ALJABI
Environmental Engineer
By direction of the Commander

Encl: (1) Data Tables for the Long Beach Naval Shipyard Group B Areas of Concern, of April 22, 1999

5090.4
Ser 05BN.DR/0109
April 27, 1999

Copy to:
Ms. Ana Veloz-Townsend
California Environmental Protection Agency
Regional Water Quality Control Board
320 West Fourth Street, Suite 200
Los Angeles, CA 90013

Mr. Martin Hausladen
U. S. Environmental Protection Agency
Region 9
75 Hawthorne Street
San Francisco, CA 94105-3901

Ms. Christine Houston
Port of Long Beach
925 Harbor Plaza
P. O. Box 570
Long Beach, CA 90802

5090.4
Ser 05BN.DR/0109
April 27, 1999

Blind copy to:
1LS.DS/Central File (Long Beach Naval Shipyard- Compliance)
05BN.FA
05BN.AL
05BN.TM
05BN.MO (Ref: CDM DO-014)

Writer: D. Rollefson, Code 05BN.DR, 2-4712
Typist: B. Foster, Code 05BC.BF, 2-4716, J:\560\560S\56LB.DR\
WP2RESULTS.DOC,26 APR 99

Data Tables are attached for the following Long Beach Naval Shipyard Group B Areas of Concern:

Sec. 4 No.	AOC No.	Bldg. No.	Base Map Grid No.	Description	Sampled June 1998	Sampled Feb-Mar 1999
39	HIST 1	NA	A to S-37, -42	Former and Current Oil Production Areas		X
40	HIST 2	51	C-21	Acetylene Generating Plant and Sludge Pit		X
44	HIST 8	NA	F-28	Chemical Cleaning Area		X
45	HIST 9	132	J-31	Storage Area for Scrap Metal and Oils		X
53	MISC 1	128	C to F-28 to-30	Wood Block Floors, Building 128	X	X
54	MISC 2	129	D-30,D-31 E-30, E-31	Wood Block Floors, Building 129	X	
56	MISC 4	132	G to J-31, 32	Wood Block Floors, Building 132	X	
57	MISC 5	128	D-29	Dirt Floor-Foundry/Heat Treatment Area, Building 128	X	
58	MISC 6	129	C-30	Diesel Test Cell, Including USTs 129.3-129.9, Building 129		X
60	MISC 8	54	C-21, C-22 D-21, -D22	Transportation Facility Yard Associated with Building 54		X
61	PCB 16	130	H-29	Building 130, Ventilation Gasket Removal Area	X	
62	PCB 17	132	I-31	Equipment #618444 Sump A and Sump B, Building 132		X
65	PT 1	210	C-26	Plating Shop, Building 210	X	
66	PT 2	129	D-30	Plating Shop, Building 129	X	
67	PT 3	205	F-31	Metal Cleaning/Plating Shop, Building 205		X
68	PT 4	132	I-32	Valve Cleaning/Plating Shop, Building 132	X	
69	PT 5	132	I-31	Plating Shop, Building 132 Second Floor	X	
70	PT 6	130	J-30	Sheet Metal Cleaning/Plating Shop, Building 130	X	
71	PT 7	129	F-31	Cleaning Dip Tanks, Building 129	X	
72	PT 8	132	I-31, H-31	Tin Dip Tanks, Building 132	X	
73	PT 10	128	C-30, D-30	Quench Tanks, Building 128	X	
74	PT 11	128	E-29	Plasma Arc Cutting Tank, Building 128	X	
176	UST 2	216	C-31	Paint Wash Tank 216.1		X
178	UST 4	202	D-32	Paint Wash Tanks 202.1, 202.2, and 202.3		X
186	ADD 4	109	H-28, I-28	Building 109		X
187	ADD 5	131	H-30	Process Tanks, Building 131		X
190	ADD 8	T 2	F-24	Storage Area, Temporary Building 2		X
191	ADD 9	T 3	F-24	Storage Area, Temporary Building 3		X
194	ADD 12	197	F-42, G-42	Building 197 Mercury Gage Repair Area		X
195	ADD 13	104	J-26	Mercury-Sealed Motor Pump Stand Area, Building 104		X
196	ADD 14	150	F-35	Mercury-Sealed Motor Pump Stand Area, Building 150		X
NA	SSS 1	NA	C-27, C-28	Sanitary Sewer System - additional site characterization		X
NA	SWS 2	NA	J-33	Storm Water System Drain Lines - additional site characterization		X

NOTE: Data from February-March 1999 are unvalidated at this time.

ADD = Additional
AOC = Area of Concern
Bldg = Building
HIST = Historical
MISC = Miscellaneous
NA = Not Applicable
No. = Number
PCB = Polychlorinated Biphenyl
PT = Process Tank
SSS = Sanitary Sewer System
SWS = Storm Water System Drain Lines
T = Temporary
UST = Underground Storage Tank

Table 1 Field Samples Collected for Group B AOCs
Long Beach Naval Shipyard

AOC No.	Field Sample I.D. No.	Date Collected	Number of Samples						Analytical Parameters											Report Section No.
			Soil	Groundwater	Liquid	Sediment	Wood	Wipe	VOCs	SVOCs	Metals	PCBs	CN	pH	TPH-G	TPH-D	Mercury	Cr+6	Dioxins	
Building 128 wood block floors, soil sample, liquid sample, PCB wipe																				4.53
MISC 1	98SY-M1Da-L-5	6/16/98			X				X	X	X	X	X	X	X	X		X		
MISC 1	98SY-M1Pa-S-0	6/17/98	X						X	X	X	X			X	X				
MISC 1	98SY-M1Wa-B-0	6/18/98					X		X	X	X	X	X		X	X				
MISC 1	98SY-PC2a-P-0	6/17/98						X				X								
Building 129 wood block floors																				4.54
MISC 2	98SY-M2Wa-B-0	6/18/98					X		X	X	X	X	X		X	X				
Building 132 wood block floors, liquid sample																				4.56
MISC 4	98SY-M4Wa-B-0	6/18/98					X		X	X	X	X	X		X	X			X	
MISC 4	98SY-M4Wb-B-0	6/18/98					X		X	X	X	X	X		X	X				
MISC 4	98SY-M4Fa-L-0.5	6/17/98			X				X	X	X	X	X		X	X				
Building 128 Dirt Floor-Foundry/Heat Treatment																				4.57
MISC 5	98SY-M5Fa-S-0	6/17/98	X								X									
MISC 5	98SY-M5Fb-S-0	6/17/98	X								X									
MISC 5	98SY-M5Fc-S-0	6/17/98	X								X									
MISC 5	98SY-M5Fd-S-0	6/17/98	X								X									
MISC 5	98SY-M5Fe-S-0	6/17/98	X								X									
Building 210 Plating Shop																				4.65
PT 1	98SY-T01a-S-5	6/11/98	X						X		X		X	X				X		
PT 1	98SY-T01a-W-7	6/11/98		X					X		X		X	X				X		
PT 1	98SY-T01b-S-5	6/11/98	X						X		X		X	X				X		
PT 1	98SY-T01b-W-9	6/11/98		X					X		X		X	X				X		
PT 1	98SY-T01c-S-5	6/11/98	X						X		X		X	X				X		
PT 1	98SY-T01c-W-10	6/11/98		X					X		X		X	X				X		
PT 1	98SY-T01d-S-5	6/11/98	X						X		X		X	X				X		
PT 1	98SY-T01d-W-12.4	6/11/98		X					X		X		X	X				X		
PT 1	98SY-T01f-S-5	6/16/98	X						X	X	X		X	X				X		
PT 1	98SY-T01f-W-9	6/16/98		X					X	X	X		X	X				X		
PT 1	98SY-T01g-S-5	6/16/98	X						X		X		X	X				X		

Table 1 Field Samples Collected for Group B AOCs
Long Beach Naval Shipyard

AOC No.	Field Sample I.D. No.	Date Collected	Number of Samples						Analytical Parameters											Report Section No.
			Soil	Groundwater	Liquid	Sediment	Wood	Wipe	VOCs	SVOCs	Metals	PCBs	CN	pH	TPH-G	TPH-D	Mercury	Cr+6	Dioxins	
PT 1	98SY-T01g-W-12	6/16/98		X					X		X		X	X				X		
Building 210 Plating Shop(cont.)																				
PT 1	98SY-T01k-W-5	6/16/98		X					X	X	X		X	X				X		
PT 1	98SY-T01m-W-10	6/11/98		X					X		X		X	X				X		
PT 1	98SY-T01n-S-5	6/16/98	X						X		X		X	X				X		
PT 1	98SY-T01n-W-12	6/16/98		X					X		X		X	X				X		
Buildging 129 Plating Shop																				4.66
PT 2	98SY-T02a-S-5	6/11/98	X						X		X		X	X				X		
PT 2	98SY-T02a-W-11.3	6/11/98		X					X		X		X	X				X		
Building 132 Cleaning/Plating Shop																				4.68
PT 4	98SY-T04a-S-6	6/10/98	X						X		X		X	X				X		
PT 4	98SY-T04a-W-12.1	6/10/98		X					X		X		X	X				X		
PT 4	98SY-T04b-S-1	6/10/98	X						X		X		X	X				X		
PT 4	98SY-T04b-W-2	6/10/98		X					X		X		X	X				X		
PT 4	98SY-T04c-S-1	6/10/98	X						X		X		X	X				X		
PT 4	98SY-T04c-W-3.5	6/10/98		X					X		X		X	X				X		
PT 4	98SY-T04d-S-1	6/10/98	X						X		X		X	X				X		
Building 132 Plating Shop																				4.69
PT 5	98SY-T05a-S-1	6/17/98	X						X		X		X	X				X		
PT 5	98SY-T05a-W-7	6/17/98		X					X		X		X	X				X		
Building 130 Sheel Metal Cleaning/Plating Shop																				4.7
PT 6	98SY-T06a-S-2.5	6/10/98	X						X		X		X	X				X		
PT 6	98SY-T06a-W-7	6/10/98		X					X		X		X	X				X		
PT 6	98SY-T06b-S-2.5	6/10/98	X						X		X		X	X				X		
PT 6	98SY-T06b-W-8.2	6/10/98		X					X		X		X	X				X		
PT 6	98SY-T06c-S-5	6/16/98	X						X		X		X	X				X		
PT 6	98SY-T06c-W-12	6/16/98		X					X		X		X	X				X		
PT 6	98SY-T06d-S-5	6/16/98	X						X		X		X	X				X		

Table 1 Field Samples Collected for Group B AOCs
Long Beach Naval Shipyard

AOC No.	Field Sample I.D. No.	Date Collected	Number of Samples						Analytical Parameters											Report Section No.
			Soil	Groundwater	Liquid	Sediment	Wood	Wipe	VOCs	SVOCs	Metals	PCBs	CN	pH	TPH-G	TPH-D	Mercury	Cr+6	Dioxins	
Building 129 CleaningDip Tanks																				4.71
PT 7	98SY-T07a-S-5	6/11/98	X						X		X									
PT 7	98SY-T07b-S-5	6/17/98	X						X		X									
PT 7	98SY-T07c-S-5	6/17/98	X						X		X									
Tin Dip Tanks Building 132																				4.72
PT 8	98SY-T08a-S-1	6/11/98	X								X									
PT 8	98SY-T08b-S-1	6/11/98	X								X									
Quenching Tanks Building 128																				4.73
PT 10	98SY-T10a-S-3	6/11/98	X						X	X	X	X			X	X				
PT 10	98SY-T10a-W-12	6/11/98		X					X	X	X	X			X	X				
PT 10	98SY-T10b-S-3	6/11/98	X						X	X	X	X			X	X				
PT 10	98SY-T10b-W-12.6	6/11/98		X					X	X	X	X			X	X				
PT 10	98SY-T10c-S-5	6/17/98	X						X	X	X	X			X	X			X	
PT 10	98SY-T10c-W-10	6/17/98		X					X	X	X	X			X	X				
PT 10	98SY-T10d-S-0	6/17/98	X						X	X	X	X			X	X				
Plasma Arc Cutting Tank Building 128																				4.74
PT 11	98SY-T11a-S-1	6/11/98	X								X									
PT 11	98SY-T11a-W-15.3	6/11/98		X							X									
Ventilation Gasket Removal, PCB Gaskets and Coveralls, and Painting Area																				4.61, 4.64
PCB 16, 20	98SY-PC1a-S-1.0	6/10/98	X						X		X									
PCB 16, 20	98SY-PC1a-W-10	6/10/98		X					X		X									
PCB 16, 20	98SY-PC1a-P-0	6/17/98						X				X								
Former and Current Oil Production Areas (HIST 1)																				4.39
	99SY-HI1a-W-27.2	3/3/99		X						X	X					X				
	99SY-HI1a-S-6	3/3/99	X							X	X					X				
	99SY-HI1b-W-25.9	3/3/99		X						X	X					X				
	99SY-HI1b-S-5	3/3/99	X							X	X					X				

Table 1 Field Samples Collected for Group B AOCs
Long Beach Naval Shipyard

AOC No.	Field Sample I.D. No.	Date Collected	Number of Samples						Analytical Parameters											Report Section No.
			Soil	Groundwater	Liquid	Sediment	Wood	Wipe	VOCs	SVOCs	Metals	PCBs	CN	pH	TPH-G	TPH-D	Mercury	Cr+6	Dioxins	
	99SY-HI1c-W-23.2	3/3/99		X						X	X					X				
	99SY-HI1c-S-4	3/3/99	X							X	X					X				
	99SY-HI1d-W-24	3/3/99		X						X	X					X				
	99SY-HI1d-S-5	3/3/99	X							X	X					X				
	99SY-HI1e-W-18.7	3/3/99		X						X	X					X				
	99SY-HI1e-S-5	3/3/99	X							X	X					X				
	99SY-HI1f-W-18	3/3/99		X						X	X					X				
	99SY-HI1f-S-5	3/3/99	X							X	X					X				
	99SY-HI1g-W-22.1	3/3/99		X						X	X					X				
	99SY-HI1g-S-5	3/3/99	X							X	X					X				
	99SY-HI1h-W-16.3	3/3/99		X						X	X					X				
	99SY-HI1h-S-5	3/3/99	X							X	X					X				
	99SY-HI1i-W-25	3/4/99		X						X	X					X				
	99SY-HI1i-S-5	3/4/99	X							X	X					X				
	99SY-HI1j-W-30	3/4/99		X						X	X					X				
	99SY-HI1j-S-5	3/4/99	X							X	X					X				
Former Acetylene Generating Plant and Sludge Pit (HIST 2)																				4.40
	99SY-HI2a-W-11	2/24/99		X										X						
	99SY-HI2a-S-7	2/24/99	X											X						
Former Chemical Cleaning Area (HIST 8)																				4.44
	99SY-HI8a-W-11.4	2/25/99		X					X	X	X	X		X		X				
	99SY-HI8a-S-1	2/25/99	X						X	X	X	X		X		X				
	99SY-HI8b-W-10.1	2/25/99		X					X	X	X	X		X		X				
	99SY-HI8b-S-1	2/25/99	X						X	X	X	X		X		X				
	99SY-HI8c-W-11.4	2/25/99		X					X	X	X	X		X		X				
	99SY-HI8c-S-1	2/25/99	X						X	X	X	X		X		X				
Former Storage Area for Scrap Metal and Oils (HIST 9)																				4.45
	99SY-HI9a-W-5	3/5/99		X					X	X	X	X				X				
	99SY-HI9a-S-1	3/5/99	X						X	X	X	X				X				

Table 1 Field Samples Collected for Group B AOCs
Long Beach Naval Shipyard

AOC No.	Field Sample I.D. No.	Date Collected	Number of Samples						Analytical Parameters											Report Section No.
			Soil	Groundwater	Liquid	Sediment	Wood	Wipe	VOCs	SVOCs	Metals	PCBs	CN	pH	TPH-G	TPH-D	Mercury	Cr+6	Dioxins	
	99SY-HI9b-W-6.0	3/5/99		X					X	X	X	X				X				
	99SY-HI9b-S-1	3/5/99	X						X	X	X	X				X				
Diesel Test Cells including USTs 129.3 to 129.9 (MISC 6)																				4.58
	99SY-MI6a-W-11.2	3/1/99		X					X	X	X					X				
	99SY-MI6a-S-5	3/1/99	X						X	X	X					X				
	99SY-MI6b-W-12.1	3/1/99		X					X	X	X					X				
	99SY-MI6b-S-5	3/1/99	X						X	X	X					X				
	99SY-MI6c-W-10	3/8/99		X					X	X	X					X				
	99SY-MI6c-S-5	3/8/99	X						X	X	X					X				
	99SY-MI6d-W-10.6	3/9/99		X					X	X	X					X				
	99SY-MI6d-S-5	3/9/99	X						X	X	X					X				
Transportation Facility Yard (MISC 8)																				4.6
	99SY-MI8a-W-10.9	2/24/99		X					X	X	X	X	X		X	X				
	99SY-MI8a-S-7	2/24/99	X						X	X	X	X	X		X	X				
	99SY-MI8b-W-10.9	2/24/99		X					X	X	X	X	X		X	X				
	99SSY-MI8b-S-7	2/24/99	X						X	X	X	X	X		X	X				
	99SY-MI8c-W-12	3/9/99		X					X		X					X				
	99SY-MI8c-S-2	3/9/99	X						X	X	X	X	X		X	X				
	99SY-MI8d-W-11.5	2/23/99		X					X	X	X	X	X		X	X				
	99SY-MI8d-S-3	2/23/99	X						X	X	X	X	X		X	X				
	99SY-MI8e-W-13.4	2/23/99		X					X	X	X	X	X		X	X				
	99SY-MI8e-S-3	2/23/99	X						X	X	X	X	X		X	X				
	99SY-MI8f-W-11	2/24/99		X					X	X	X	X	X		X	X				
	99SY-MI8f-S-4	2/24/99	X						X	X	X	X	X		X	X				
	99SY-MI8g-W-9	3/9/99		X					X	X	X	X	X		X	X				
	99SY-MI8g-S-5	3/9/99	X						X	X	X	X	X		X	X				
	99SY-MI8h-W-10.8	2/24/99		X					X	X	X	X	X		X	X				
	99SY-MI8h-S-1	2/24/99	X						X	X	X	X	X		X	X				
	99SY-MI8i-W-11	2/23/99		X					X	X	X	X	X		X	X				

Table 1 Field Samples Collected for Group B AOCs
Long Beach Naval Shipyard

AOC No.	Field Sample I.D. No.	Date Collected	Number of Samples						Analytical Parameters											Report Section No.
			Soil	Groundwater	Liquid	Sediment	Wood	Wipe	VOCs	SVOCs	Metals	PCBs	CN	pH	TPH-G	TPH-D	Mercury	Cr+6	Dioxins	
	99SY-MI8i-S-1	2/23/99	X						X	X	X	X	X		X	X				
	99SY-MI8j-W-11.7	2/24/99		X					X	X	X	X	X		X	X				
	99SY-MI8j-S-5	2/24/99	X						X	X	X	X	X		X	X				
	99SY-MI8k-W-10.2	2/23/99		X					X	X	X	X	X		X	X				
	99SY-MI8k-S-1	2/23/99	X						X	X	X	X	X		X	X				
Equipment with Potential for PCB Oils (PCB 17)																				4.62
	99SY-P17a-P-0	3/9/99						X				X								
	99SY-P17b-P-0	3/9/99						X				X								
	99SY-P17c-P-0	3/9/99						X				X								
	99SY-P17d-P-0	3/9/99						X				X								
Cleaning Tanks (PT 3)																				4.67
	99SY-PT3a-W-9	2/26/99		X					X	X	X	X				X				
	99SY-PT3a-S-2	2/26/99	X						X	X	X	X				X				
	99SY-PT3b-W-8.5	3/1/99		X					X	X	X	X				X				
	99SY-PT3b-S-2	3/1/99	X						X	X	X	X				X				
	99SY-PT3c-W-12	3/1/99		X					X	X	X	X				X				
	99SY-PT3c-S-2	3/1/99	X						X	X	X	X				X				
	99SY-PT3d-W-12	3/1/99		X					X	X	X	X				X				
	99SY-PT3d-S-2	3/1/99	X						X	X	X	X				X				
	99SY-PT3e-W-14.4	2/26/99		X					X	X	X	X				X				
	99SY-PT3e-S-2	2/26/99	X						X	X	X	X				X				
Tank 216.1 (UST 2)																				4.176
	99SY-US2a-W-9.6	2/25/99		X					X	X	X									
	99SY-US2a-S-7.5	2/25/99	X						X	X	X									
Tanks 202.1, 202.2, and 202.3 (UST 4)																				4.178
	99SY-US4a-W-11.3	2/25/99		X					X	X	X									
	99SY-US4a-S-8	2/25/99	X						X	X	X									
	99SY-US4b-W-8.1	2/25/99		X					X	X	X									
	99SY-US4b-S-6	2/25/99	X						X	X	X									

Table 1 Field Samples Collected for Group B AOCs
Long Beach Naval Shipyard

AOC No.	Field Sample I.D. No.	Date Collected	Number of Samples						Analytical Parameters										Report Section No.
			Soil	Groundwater	Liquid	Sediment	Wood	Wipe	VOCs	SVOCs	Metals	PCBs	CN	pH	TPH-G	TPH-D	Mercury	Cr+6	Dioxins	
	99SY-US4c-W-10.2	3/5/99		X					X	X	X									
	99SY-US4c-S-9	3/5/99	X						X	X	X									
	99SY-US4d-W-8	3/5/99		X					X	X	X									
	99SY-US4d-S-9	3/5/99	X						X	X	X									
	99SY-US4e-W-12	3/5/99		X					X	X	X									
	99SY-US4e-S-9	3/5/99	X						X	X	X									
	99SY-US4f-S-1	3/10/99	X						X	X	X									
	99SY-US4g-S-1	3/5/99	X						X	X	X									
	99SY-US4h-S-3	3/5/99				X			X	X	X									
Building 109 (ADD 4)																				4.186
	99SY-AD4a-W-10.8	2/25/99		X					X	X	X			X						
	99SY-AD4a-S-2	2/25/99	X						X	X	X			X						
	99SY-AD4b-W-11.7	2/26/99		X					X	X	X			X						
	99SY-AD4b-S-2	2/26/99	X						X	X	X			X						
Process Tanks at Building 131 (ADD 5)																				4.187
	99SY-AD5a-W-13.5	3/1/99		X					X	X	X			X	X	X				
	99SY-AD5a-S-6	3/1/99	X						X	X	X			X	X	X				
	99SY-AD5b-S-1	3/10/99	X						X	X	X			X	X	X				
	99SY-AD5c-W-13.5	3/1/99		X					X	X	X			X	X	X				
	99SY-AD5c-S-6	3/1/99	X						X	X	X			X	X	X				
	99SY-AD5d-W-11.8	3/10/99		X					X	X	X			X	X	X				
	99SY-AD5d-S-9	3/10/99	X						X	X	X			X	X	X				
	99SY-AD5e-W-12	3/10/99		X					X	X	X			X	X	X				
	99SY-AD5e-S-9	3/10/99	X						X	X	X			X	X	X				
Storage Area, Temporary Building 2 (ADD 8)																				4.190
	99SY-AD8a-W-13	2/26/99		X					X	X	X	X		X	X	X				
	99SY-AD8a-S-1	2/26/99	X						X	X	X	X		X	X	X				
Storage Area, Temporary Building 3 (ADD 9)																				4.191
	99SY-AD9a-W-13.4	2/26/99		X					X	X	X	X		X	X	X				

Table 1 Field Samples Collected for Group B AOCs
Long Beach Naval Shipyard

AOC No.	Field Sample I.D. No.	Date Collected	Number of Samples						Analytical Parameters											Report Section No.
			Soil	Groundwater	Liquid	Sediment	Wood	Wipe	VOCs	SVOCs	Metals	PCBs	CN	pH	TPH-G	TPH-D	Mercury	Cr+6	Dioxins	
	99SY-AD9a-S-1	2/26/99	X						X	X	X	X		X	X	X				
	99SY-AD9b-W-14	2/26/99		X					X	X	X	X		X	X	X				
	99SY-AD9b-S-1	2/26/99	X						X	X	X	X		X	X	X				
Building 197 Mercury Gage Repair Area (ADD 12)																				4.194
	99SY-A12a-W-21.4	3/2/99		X													X			
	99SY-A12a-S-3	3/2/99	X														X			
	99SY-A12b-W-20.9	3/2/99		X													X			
	99SY-A12b-S-3	3/2/99	X														X			
	99SY-A12c-W-21.2	3/2/99		X													X			
	99SY-A12c-S-3	3/2/99	X														X			
Mercury-Sealed Motor Pump Stand Area, Building 104 (ADD 13)																				4.195
	99SY-A13a-S-0	3/5/99				X					X									
	99SY-A13b-S-1	3/5/99				X			X	X	X	X				X				
	99SY-A13c-S-1.5	3/5/99				X					X									
Mercury-Sealed Motor Pump Stand Area, Building 150 (ADD 14)																				4.196
	99SY-A14a-S-0	3/5/99				X					X									
	99SY-A14b-S-1	3/5/99				X					X									
	99SY-A14c-S-3	3/5/99				X					X									
	99SY-A14d-S-0	3/5/99				X					X									
Dip Tanks, Building 128 (MISC 1)																				4.53
	99SY-M1Db-W-10.8	3/8/99		X					X		X									
	99SY-M1Db-S-2	3/8/99	X						X		X									
	99SY-M1Dc-W-11	3/5/99		X					X		X									
	99SY-M1Dc-S-2	3/5/99	X						X		X									
Sanitary Sewer System Lines (SSS 1)																				separate report
	99SY-S1na-W-10	3/2/99		X					X	X					X	X				
	99SY-S1na-S-5	3/2/99	X						X	X					X	X				

Table 1 Field Samples Collected for Group B AOCs
Long Beach Naval Shipyard

AOC No.	Field Sample I.D. No.	Date Collected	Number of Samples						Analytical Parameters											Report Section No.
			Soil	Groundwater	Liquid	Sediment	Wood	Wipe	VOCs	SVOCs	Metals	PCBs	CN	pH	TPH-G	TPH-D	Mercury	Cr+6	Dioxins	
	99SY-S1na-S-10	3/2/99	X						X	X					X	X				
	99SY-S1nb-W-9.4	3/2/99		X					X	X					X	X				
	99SY-S1nb-S-5	3/2/99	X						X	X					X	X				
	99SY-S1nb-S-10	3/2/99	X						X	X					X	X				
	99SY-S1nc-W-10	3/2/99		X					X	X					X	X				
	99SY-S1nc-S-5	3/2/99	X						X	X					X	X				
	99SY-S1nc-S-10	3/2/99	X						X	X					X	X				
	99SY-S1nd-W-9.6	3/2/99		X					X	X					X	X				
	99SY-S1nd-S-5	3/2/99	X						X	X					X	X				
	99SY-S1nd-S-10	3/2/99	X						X	X					X	X				
	99SY-S1nf-W-9	3/8/99		X					X	X					X	X				
	99SY-S1nf-S-5	3/8/99	X						X	X					X	X				
	99SY-S1nf-S-10	3/8/99	X						X	X					X	X				
	99SY-S1ng-W-8.5	3/8/99		X					X	X					X	X				
	99SY-S1ng-S-5	3/8/99	X						X	X					X	X				
	99SY-S1ng-S-10	3/8/99	X						X	X					X	X				
	99SY-S1nh-W-9	3/8/99		X					X	X					X	X				
	99SY-S1nh-S-5	3/8/99	X						X	X					X	X				
	99SY-S1nh-S-10	3/8/99	X						X	X					X	X				
Storm Water System Drain Lines (SWS 2)																				separate report
	99SY-SWba-W-19.5	3/4/99		X													X			
	99SY-SWba-S-6.5	3/4/99	X														X			
	99SY-SWba-S-10	3/4/99	X														X			
	99SY-SWbb-W-17.8	3/4/99		X													X			
	99SY-SWbb-S-6.5	3/4/99	X														X			
	99SY-SWbb-S-10	3/4/99	X														X			
	99SY-SWbc-W-14.8	3/4/99		X													X			

Table 1 Field Samples Collected for Group B AOCs
Long Beach Naval Shipyard

AOC No.	Field Sample I.D. No.	Date Collected	Number of Samples						Analytical Parameters											Report Section No.
			Soil	Groundwater	Liquid	Sediment	Wood	Wipe	VOCs	SVOCs	Metals	PCBs	CN	pH	TPH-G	TPH-D	Mercury	Cr+6	Dioxins	
	99SY-SWbc-S-6.5	3/4/99	X														X			
	99SY-SWbc-S-10	3/4/99	X														X			
	99SY-SWbd-W-15	3/5/99		X													X			
	99SY-SWbd-S-6.5	3/5/99	X														X			
	99SY-SWbd-S-10	3/5/99	X														X			
	99SY-SWbe-W-14.6	3/5/99		X													X			
	99SY-SWbe-S-6.5	3/5/99	X														X			
	99SY-SWbe-S-10	3/5/99	X														X			
	99SY-SWbg-W-20	3/10/99		X													X			
		Total (Feb-Mar)	**83**	**69**	**0**	**8**	**0**	**4**	**110**	**125**	**115**	**52**	**21**	**27**	**57**	**107**	**22**	**0**	**0**	

Notes:

AOC = Area of Concern
Bldg. = building
Cr+6 = Hexavalent Chrom
CN = Cyanide
I.D. = Identification
MISC = Miscellaneous
No. = Number
PCBs = polychlorinated biphenyls
PT = Plating Shop
SVOCs = semi-volatile organic compounds
TPH-G = total petroleum hydrocarbons, gas
TPH-d = total petroleum hydrocarbons, diesel
VOCs= volatile organic compounds

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Table 4.39-5
AOC HIST 1 Sample Detections Summary for Organic Compounds
March 1999

Sample Identifier	Analyte Detected	Soil Sample Depth, feet bgs	Concentration in Soil (mg/kg)	Industrial PRG [a] (mg/kg)	Groundwater Sample Depth, feet bgs	Concentration in Groundwater (mg/L)	Screening Criteria for Water [b] (mg/L)
HI1a	TPH-diesel	6	ND	10,000[c]	27.2	0.2J	NA
	TPH-motor oil	6	ND	50,000[c]	27.2	0.1J	25
	Bis(2-ethylhexyl)phthalate	6	ND	210	27.2	0.003J	0.0035
	2-Methylnaphthalene	6	ND	NA	27.2	0.002J	NA
HI1b	TPH-diesel	5	ND	10,000[c]	25.9	0.1J	NA
	Bis(2-ethylhexyl)phthalate	5	ND	210	25.9	0.002J	0.0035
	Naphthalene	5	ND	190	25.9	0.004J	0.0062[e]
	TPH-motor oil	5	8J	50,000[c]	25.9	ND	25
HI1c	TPH-diesel	4	8J	10,000[c]	23.2	0.05J	NA
	TPH-motor oil	4	180	50,000[c]	23.2	0.03J	25
	Bis(2-ethylhexyl)phthalate	4	ND	210	23.2	0.003J	0.0035
HI1d	TPH-diesel	5	3J	10,000[c]	24	0.4J	NA
	TPH-motor oil	5	2J	50,000[c]	24	0.2J	25
HI1e	TPH-diesel	5	ND	10,000[c]	18.7	0.07J	NA
	TPH-motor oil	5	50	50,000[c]	18.7	ND	25
	Bis(2-ethylhexyl)phthalate	5	0.10J	210	18.7	0.002J	0.0035
HI1f	TPH-diesel	5	ND	10,000[c]	18	0.1J	NA
	TPH-motor oil	5	3J	50,000[c]	18	ND	25
	Bis(2-ethylhexyl)phthalate	5	ND	210	18	0.001J	0.0035
HI1g	TPH-diesel	5	ND	10,000[c]	22.1	0.8	NA
	TPH-motor oil	5	3900	50,000[c]	22.1	0.5	25
	Bis(2-ethylhexyl)phthalate	5	ND	210	22.1	0.005J	0.0035
	Diethyl phthalate (DEP)	5	ND	100,000	22.1	0.006J	33
	Benz(a)anthracene	5	2.19	3.6	22.1	ND	8.8×10^{-6}
	Benzo(a)pyrene	5	1.3J	0.36	22.1	ND	8.8×10^{-6}
	Benzo(b)fluoranthene	5	3.73	3.6	22.1	ND	8.8×10^{-6}
	Benzo(g,h,i)perylene	5	0.38J	NA	22.1	ND	8.8×10^{-6}
	Chrysene	5	2.24	360	22.1	ND	8.8×10^{-6}
	Fluoranthene	5	6.5	37,000	22.1	ND	0.015
	Indeno(1,2,3-cd)pyrene	5	0.39J	3.6	22.1	ND	8.8×10^{-6}
	Phenanthrene	5	0.98J	NA	22.1	ND	8.8×10^{-6}
	Pyrene	5	4.7	26,000	22.1	ND	8.8×10^{-6}
HI1h	TPH-diesel	5	3J	10,000[c]	16.3	0.09J	NA

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Table 4.39-5 (continued)
AOC HIST 1 Sampling Results Summary for Organic Compounds
March 1999

Sample Identifier	Analyte Detected	Soil Sample Depth, feet bgs	Concentration in Soil (mg/kg)	Industrial PRG [a] (mg/kg)	Groundwater Sample Depth, feet bgs	Concentration in Groundwater (mg/L)	Screening Criteria for Water [b] (mg/L)
HI1i	TPH-diesel	5	3J	10,000[c]	25	0.2J	NA
	TPH-motor oil	5	3J	50,000[c]	25	ND	25
	Bis(2-ethylhexyl)phthalate	5	ND	210	25	0.007J	0.0035
HI1j	TPH-diesel	5	2J	10,000[c]	30	ND	NA
	TPH-motor oil	5	3J	50,000[c]	30	ND	25
	Bis(2-ethylhexyl)phthalate	5	ND	210	30	0.002J	0.0035

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) From Los Angeles Resource Water Quality Control Board, *Interim Site Assessment and Cleanup Guidebook*, Table 4-1, dated May 1996. Values are for soils above a non-drinking water aquifer.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

AOC = Area of Concern
Bgs = below ground surface
J = Estimated Concentration
HIST = Historical
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
NA = Not Available
N/A = Not Applicable
ND = Not Detected
TPH = Total Petroleum Hydrocarbons

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Table 4.39-6
AOC HIST 1 Sample Results Summary for Organic Compounds
March 1999

	SOIL			GROUNDWATER		
Analytical Parameters	No. of Samples	No. of Detections	Number of Detections above PRGs[a]	No. of Samples	No. of Detections	No. of Detections above Screening Criteria for Water[b]
VOCs (60 Analytes)	10	0	0	10	0	0
SVOCs (64 analytes)[c]						
Bis(2-ethylhexyl)phthalate	10	1	0	10	8	2
2-Methylnaphthalene	10	0	0	10	1	0
Naphthalene	10	0	0	10	1	0
Diethyl phthalate (DEP)	10	0	0	10	1	0
Benz(a)anthracene	10	1	0	10	0	0
Benzo(a)pyrene	10	1	1	10	0	0
Benzo(b)fluoranthene	10	1	1	10	0	0
Benzo(g,h,i)perylene	10	1	0	10	0	0
Chrysene	10	1	0	10	0	0
Fluoranthene	10	1	0	10	0	0
Indeno(1,2,3-cd)pyrene	10	1	0	10	0	0
Phenanthrene	10	1	0	10	0	0
Pyrene	10	1	0	10	0	0
TPH-Diesel	10	5	0	10	9	0
TPH-Motor Oil	10	8	0	10	4	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for screening criteria for water.
(c) If not listed in the table, the remaining analytes were not detected.

AOC = Area of Concern
HIST = Historical
No. = Number
PRG = Preliminary Remediation Goal
SVOC = Semivolatile Organic Compound
TPH = Total Petroleum Hydrocarbons
VOC = Volatile Organic Compound

Table 4.39-7
AOC HIST 1 Sampling Results Summary for Metals
March 1999

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SOIL

Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	10	8	0.75J, 0.40J, 1.2J, 0.18J, 11.8, 0.54J, 0.37J, 0.45J	750	11.3	0
Arsenic	10	10	2.5, 3.8, 2.9, 3.3, 5.8, 1.8, 3.0, 3.3, 3.2, 4.3	3.0	17.5	0
Barium	10	10	77.8, 94.9, 66.6, 90.8, 171, 23.7, 46.9, 94.9, 80.9, 71.8	100,000	275	0
Beryllium	10	0	ND	3,400	1.4	0
Cadmium	10	10	0.094J, 0.060J, 0.089J, 0.088J, 0.17J, 0.018J, 0.69, 0.053J, 0.064J, 0.068J	930	1.7	0
Chromium	10	10	11.7, 15.5, 9.9, 14.4, 30.7, 9.9, 214, 16.5, 11.7, 18.0	450	60.9	0
Cobalt	10	10	5.5, 9.7, 5.1, 6.8, 17.0, 4.1, 7.0, 8.6, 6.4, 10.0	29,000	24.5	0
Copper	10	10	6.3, 14.5, 5.6, 6.3, 30.3, 4.2, 3410, 19.2, 6.0, 9.9	70,000	798.7	0
Lead	10	10	1.7, 3.9, 1.4, 1.7, 8.5, 1.2, 1820, 5.1, 1.6, 4.6	1,000	185.2	1
Mercury	10	5	0.045J, 0.058J, 0.050J, 5.7, 0.033J	560	2.5	0
Molybdenum	10	1	2.3	9,400	NA	0
Nickel	10	10	7.8, 12.4, 7.1, 9.5, 23.7, 6.1, 53.5, 11.4, 7.9, 11.1	37,000	32.6	0
Selenium	10	3	0.11J, 0.86, 0.11J	9,400	1.4	0
Silver	10	1	0.036J	9,400	1.5	0
Thallium	10	0	ND	150	4.2	0
Vanadium	10	10	19.9, 31.9, 17.4, 24.2, 55.3, 15.3, 74.1, 32.7, 22.6, 30.8	13,000	84.9	0
Zinc	10	10	28.5, 47.8, 27.1, 32.7, 89.3, 19.5, 971, 36.3, 29.8, 30.4	100,000	844.9	0

Table 4.39-7 (continued)
AOC HIST 1 Sampling Results Summary for Metals
March 1999

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GROUNDWATER

Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water [c] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Criteria
Antimony	10	3	0.0028J, 0.0016J, 0.0069J	1.2	0.0616	0
Arsenic	10	6	0.0076, 0.0027J, 0.0246, 0.0048J, 0.0077J, 0.0072J	0.008	0.0276	0
Barium	10	10	0.159, 0.114, 0.0288, 0.171, 0.217, 0.193, 0.0995, 0.108, 0.286, 0.203	1[d]	0.1777	0
Beryllium	10	1	0.00015J	3.3×10^{-5}	0.002	0
Cadmium	10	1	ND	0.001	0.0017	0
Chromium	10	4	0.0037J, 0.0182, 0.009J, 0.0106	190	0.0029	0
Cobalt	10	10	0.0014J, 0.0012J, 0.0126, 0.0013J, 0.0013J, 0.00086J, 0.0018J, 0.0011J, 0.0025J, 0.0026J	2.2[d]	0.0071	0
Copper	10	5	0.0113, 0.00087J, 0.0391, 0.0181J, 0.013J	0.003	0.1072	0
Lead	10	3	0.0029J, 0.0069J, 0.0054J	0.002	0.028	0
Mercury	10	2	0.000099J, 0.00023J	4.0×10^{-5}	0.0009	0
Molybdenum	10	10	0.0059, 0.018, 0.0557, 0.0163, 0.0068, 0.0098, 0.0169, 0.0159, 0.0913, 0.0199	0.18[d]	NA	0
Nickel	10	10	0.0025J, 0.0114, 0.0194, 0.0019J, 0.0027J, 0.0023J, 0.0233, 0.0034J, 0.0195, 0.0043J	0.005	0.0958	0
Selenium	10	6	0.0059J, 0.0053J, 0.0092J, 0.0059J, 0.0037J, 0.0047J	0.015	0.040	0
Silver	10	3	0.0016J, 0.0041J, 0.0037J	0.0007	0.0072	0
Thallium	10	1	0.0089J	0.014	0.0075	0
Vanadium	10	4	0.00082J, 0.0012J, 0.126, 0.0047J	0.26[d]	0.0107	0
Zinc	10	4	0.0046J, 0.0153, 0.0073J, 0.011	0.020	0.291	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for screening criteria for water.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

AOC = Area of Concern
mg/kg = Milligrams Per Kilogram
mg/L =Milligrams Per Liter
PRG = Preliminary Remediation Goal
U.S. EPA = United States Environmental Protection Agency

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Table 4.40-5
AOC HIST 2 Sampling Results Summary
February 1999

Analytical Category/Parameter	No. of Samples	No. of Detections	Concentration (pH units)	Screening Criteria [a] (pH units)	No. of Detections above Screening Criteria
pH in Soil	1	1	8.62	6.0 to 9.0	0
pH in Groundwater	1	1	7.65	6.0 to 9.0	0

(a) = See Section 3.7 for sources of criteria.

AOC = Area of Concern
HIST = Historical
No. = Number

Table 4.44-5
AOC HIST 8 Sampling Results Summary for Organic Compounds
February 1999

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	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Number of Detections above Criteria	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water(b) (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) (c)										
Trichloroethene	3	0	ND	6.1	0	3	2	0.006, 0.007	0.027	0
Methy Tertiary Butyl Ether (MTBE)	3	0	ND	NA	0	3	1	**0.358J, 0.253J, 0.115J**	0.002 (d)	3
SVOCs (64 analytes) (c)										
Butyl Benzyl Phthalate	3	0	ND	930	0	3	1	0.007J	7.3 (d)	0
TPH-diesel	3	3	5J, 17, 5J	10,000 (e)	0	3	3	0.2J, 0.1J, 0.09J	NA	0
TPH-motor oil	3	3	63, 140, 80	50,000 (e)	0	3	0	ND	25	00
PCBs	3	1	0.014J	1.3	0	3	0	ND	1.9×10^{-8}	
pH	3	3	7.89, 7.89, 8.59	NA	0	3	3	**5.44**, 7.20, 7.24	6.0 to 9.0	1

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) If not listed in this table, the remaining analytes were not detected.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

ADD = Additional
AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
NA = Not Available
ND = Not Detected

SVOCs = Semivolatile Organic Compounds
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

Table 4.44-6
AOC HIST 8 Sampling Results Summary for Metals
February 1999

DRAFT

SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	3	2	1.3J, 0.12J	750	11.3	0
Arsenic	3	3	2.1, 3.1, 3.8	3.0	17.5	0
Barium	3	3	118, 95.7, 100	100,000	275	0
Beryllium	3	0	ND	3,400	1.4	0
Cadmium	3	0	ND	930	1.7	0
Chromium	3	3	61.6, 14.2, 14.5	450	60.9	0
Cobalt	3	3	28.0, 9.3, 9.4	29,000	24.5	0
Copper	3	3	50.4, 12.4, 11.4	70,000	798.7	0
Lead	3	3	5.7, 6.5, 24.0	1000	185.2	0
Mercury	3	3	0.046J, 0.25, 0.056J	560	2.5	0
Molybdenum	3	2	0.49, 0.49	9,400	NA	0
Nickel	3	3	70.9, 13.0, 10.2	37,000	32.6	0
Selenium	3	0	ND	9,400	1.4	0
Silver	3	1	0.043J	9,400	1.5	0
Thallium	3	0	ND	150	4.2	0
Vanadium	3	3	75.8, 26.1, 29.2	13,000	84.9	0
Zinc	3	3	69.5, 43.3, 62.2	100,000	844.9	0

Table 4.44-6 (continued)
AOC HIST 8 Sampling Results Summary for Metals
February 1999

DRAFT

GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water [c] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Criteria
Antimony	3	3	3.5J, 5.7J, 7.6J	1.2	0.0616	0
Arsenic	3	3	45.6, 3.4J, 12.7	0.008	0.0276	0
Barium	3	3	73.6, 168, 145	1[d]	0.1777	0
Beryllium	3	0	ND	3.3×10^{-5}	0.002	0
Cadmium	3	0	ND	0.001	0.0017	0
Chromium	3	3	4.3J, 6.0, 5.4	190	0.0029	0
Cobalt	3	3	0.94J, 0.50J, 0.35J	2.2[d]	0.0071	0
Copper	3	0	ND	0.003	0.1072	0
Lead	3	2	0.99J, 1.4J	0.002	0.028	0
Mercury	3	3	0.20J, 0.12J, 0.13J	4.0×10^{-5}	0.0009	0
Molybdenum	3	3	6.6, 10, 8.8	0.18[d]	NA	0
Nickel	3	3	5.0, 4.6J, 4.5J	0.005	0.0958	0
Selenium	3	0	ND	0.015	0.040	0
Silver	3	0	ND	0.0007	0.0072	0
Thallium	3	0	ND	0.014	0.0075	0
Vanadium	3	0	ND	0.26[d]	0.0107	0
Zinc	3	3	4.4J, 4.7J, 3.7J	0.020	0.291	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for screening criteria for water.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

AOC = Area of Concern
mg/kg = Milligrams Per Kilogram
mg/L =Milligrams Per Liter
PRG = Preliminary Remediation Goal
U.S. EPA = United States Environmental Protection Agency

Table 4.45-5
AOC HIST 9 Sampling Results Summary for Organic Compounds
March 1999

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	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Number of Detections above Criteria	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water [b] (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) [c]										
Chloroform	2	0	ND	0.52	0	2	1	0.0007J	0.130	0
SVOCs (64 analytes) [c]										
Bis-(2-ethylhexyl)phthalate	2	0	ND	210	0	2	1	0.001J	0.0035	0
TPH-diesel	2	1	2J	10,000 [d]	0	2	0	ND	NA	0
TPH-motor oil	2	2	14, 2J	50,000 [d]	0	2	0	ND	25	0
PCBs	2	0	ND	1.3	0	2	0	ND	1.9×10^{-3}	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) If not listed in this table, the remaining analytes were not detected.
(d) From Los Angeles Resource Water Quality Control Board, *Interim Site Assessment and Cleanup Guidebook*, Table 4-1, dated May 1996. Values are for soils above a non-drinking water aquifer.

ADD = Additional
AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
NA = Not Available
ND = Not Detected
SVOCs = Semivolatile Organic Compounds
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

Table 4.45-6
AOC HIST 9 Sampling Results Summary for Metals
March 1999

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SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	2	2	0.99J, 0.58J	750	11.3	0
Arsenic	2	2	0.91, 3.7	3.0	17.5	0
Barium	2	2	617, 80.6	100,000	275	0
Beryllium	2	0	ND	3,400	1.4	0
Cadmium	2	2	0.17J, 0.068J	930	1.7	0
Chromium	2	2	13.2, 22.6	450	60.9	0
Cobalt	2	2	25.1, 9.0	29,000	24.5	0
Copper	2	2	41.8, 12.6	70,000	798.7	0
Lead	2	2	1.4, 3.3	1000	185.2	0
Mercury	2	2	0.10J, 0.063J	560	2.5	0
Molybdenum	2	0	ND	9,400	NA	0
Nickel	2	2	59.4, 14.3	37,000	32.6	0
Selenium	2	0	ND	9,400	1.4	0
Silver	2	0	ND	9,400	1.5	0
Thallium	2	0	ND	150	4.2	0
Vanadium	2	2	25.7, 31.7	13,000	84.9	0
Zinc	2	2	57.7, 50.0	100,000	844.9	0

Table 4.45-6 (continued)
AOC HIST 9 Sampling Results Summary for Metals
March 1999

DRAFT

GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water [a] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Criteria
Antimony	2	0	ND	1.2	0.0616	0
Arsenic	2	0	ND	0.008	0.0276	0
Barium	2	2	0.0543, 0.101	1[d]	0.1777	0
Beryllium	2	2	0.00010J, 0.00014J	3.3×10^{-5}	0.002	0
Cadmium	2	0	ND	0.001	0.0017	0
Chromium	2	1	0.00077J	190	0.0029	0
Cobalt	2	2	0.0015J, 0.0014J	2.2[d]	0.0071	0
Copper	2	2	0.00090J, 0.0010J	0.003	0.1072	0
Lead	2	0	ND	0.002	0.028	0
Mercury	2	0	ND	4.0×10^{-5}	0.0009	0
Molybdenum	2	2	0.0030J, 0.0047J	0.18[d]	NA	0
Nickel	2	2	0.0031J, 0.0043J	0.005	0.0958	0
Selenium	2	2	0.0065J, 0.0068J	0.015	0.040	0
Silver	2	0	ND	0.0007	0.0072	0
Thallium	2	0	ND	0.014	0.0075	0
Vanadium	2	0	ND	0.26[d]	0.0107	0
Zinc	2	0	ND	0.020	0.291	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for screening criteria for water.

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Table 4.53-5
AOC MISC 1 Platform Sampling Results Summary for Organic Compounds (Soil)
June 1998

SOIL (98SY-M1Pa-S-0)					
Analytical Parameter	**Number of Samples**	**Number of Detections**	**Concentration (mg/kg)**	**Industrial PRG [a] (mg/kg)**	**Number of Detections above Criteria**
VOCs (60 analytes)	1	0	ND	N/A	0
SVOCs (64 analytes) [b]					
Benz(a)anthracene	1	1	0.25J	3.6	0
Benzo(a)pyrene	1	1	0.23J	0.36	0
Benzo(b)fluoranthene	1	1	0.47J	3.6	0
Benzo(k)fluoranthene	1	1	0.17J	36	0
Bis(2-ethylhexyl)phthalate	1	1	4.1J	210	0
Butyl benzyl phthalate	1	1	0.21J	930	0
Chrysene	1	1	0.533J	360	0
Di-n-butyl phthalate	1	1	0.13J	110,000	0
Fluoranthene	1	1	0.903J	37,000	0
Phenanthrene	1	1	0.3J	NA	0
Pyrene	1	1	0.598J	26,000	0
PCBs	1	0	ND	1.3	0
TPH-Gasoline	1	1	0.09J	1,000 [c]	0
TPH-Diesel	1	1	75	10,000 [c]	0
TPH-Motor Oil	1	1	420	50,000 [c]	0

(a) From U.S.EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) If not listed in this table, the remaining analytes were not detected.
(c) From Los Angeles Resource Water Quality Control Board, *Interim Site Assessment and Cleanup Guidebook*, Table 4-1, dated May 1996. Values are for soils above a non-drinking water aquifer.

AOC = Area of Concern
J = Estimated Concentration
MISC= Miscellaneous
mg/kg = Milligrams Per Kilogram
NA = Not Available
N/A = Not Applicable
ND = Not Detected
PCBs = Polychlorinated Biphenyls
PRG = Preliminary Remediation Goal
SVOCs = Semivolatile Organic Compounds
TPH = Total Petroleum Hydrocarbons
VOCs = Volatile Organic Compounds

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Table 4.53-6
AOC MISC 1 Sampling Results Summary for Organic Compounds (Liquid)
June 1998

LIQUID (98SY-M1Da-L-5)						
Analytical Parameter	**Number of Samples**	**Number of Detections**	**Concentration (mg/L)**	**State of California Regulatory Levels[a] (mg/L)**	**U.S. EPA RCRA Criteria[a] (mg/L)**	**Number of Detections above Criteria**
VOCs (60 analytes)[b]						
Carbon tetrachloride	1	1	0.037J	NA	0.5	0
1,1-Dichloroethane	1	1	0.94J	NA	NA	0
1,1,1-Trichloroethane	1	1	0.3J	NA	NA	0
SVOCs (64 analytes)[b]	1	0	ND	N/A	N/A	0
PCBs	1	0	ND	5	50 ©	0
Cyanide	1	0	ND	N/A	N/A	0
TPH-Gasoline	1	1	0.11J	NA	NA	0
TPH-Diesel	1	1	0.8	NA	NA	0
TPH-Motor Oil	1	1	0.2J	NA	NA	0
pH	1	1	7.12 (pH units)	2 to 12.5 (pH units)	2 to 12.5 (pH units)	0

(a) See Section 3.7 for screening criteria.
(b) If not listed in this table, the remaining analytes were not detected.
(c) From Toxic Substances Control Act (TSCA) (40 Code of Federal Regulations [CFR] 761) – PCB Spill Cleanup Policy.

AOC = Area of Concern
J = Estimated Concentration
mg/L = Milligrams Per Liter
MISC = Miscellaneous
NA = Not Available
N/A = Not Applicable
ND = Not Detected
PCBs = Polychlorinated Biphenyls
RCRA = Resource Conservation and Recovery Act
SVOCs = Semivolatile Organic Compounds
TPH = Total Petroleum Hydrocarbons
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

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Table 4.53-7
AOC MISC 1 Sampling Results Summary for Organic Compounds (Wood Block)
June 1998

WOOD BLOCK (98SY-M1Wa-B-0)						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	State of California Regulatory Levels[a] (mg/kg)	U.S. EPA RCRA Criteria [a] (mg/kg)	Number of Detections above Criteria
VOCs (60 analytes) [b]						
p-Isopropyltoluene	1	1	5J	NA	NA	0
Naphthalene	1	1	58J	NA	NA	0
Toluene	1	1	0.51 J	NA	NA	0
SVOCs (64 analytes) [b]						
Acenaphthene	1	1	63	NA	NA	0
Acenapthylene	1	1	3.2J	NA	NA	0
Anthracene	1	1	81	NA	NA	0
Benz(a)anthracene	1	1	130	NA	NA	0
Benzo(a)pyrene	1	1	82J	NA	NA	0
Benzo(b)fluoranthene	1	1	100J	NA	NA	0
Benzo(k)fluoranthene	1	1	170J	NA	NA	0
Chrysene	1	1	83	NA	NA	0
Dibenz(a,h)anthracene	1	1	6.9J	NA	NA	0
Dibenzofuran	1	1	42.8	NA	NA	0
Fluoranthene	1	1	300	NA	NA	0
Fluorene	1	1	44.4	NA	NA	0
Ideno(1,2,3-cd)pyrene	1	1	21J	NA	NA	0
2-Methylnaphthalene	1	1	20J	NA	NA	0
Naphthalene	1	1	38.2	NA	NA	0
Phenanthrene	1	1	450	NA	NA	0
Pyrene	1	1	277	NA	NA	0
PCBs [b]						
Aroclor 1260	1	1	0.98J	50	500 [d]	0
Cyanide	1	0	ND	NA	NA	0
TPH-Gasoline	1	1	8,400[c]	NA	NA	0
TPH-Diesel	1	1	41,000J	NA	NA	0
TPH-Motor Oil	1	1	62,000J	NA	NA	0

(a) See Section 3.7 for screening criteria. 20 times rule for solids for RCRA criteria.
(b) If not listed in this table, the remaining analytes were not detected.
(c) Not a typical gasoline pattern; sample contained high concentration of Method 8260 VOCs
(d) From TSCA (40 CFR 761).

AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
RCRA = Resource Conservation and Recovery Act
N/A = Not Applicable
NA = Not Available
ND = Not Detected
MISC = Miscellaneous
PCBs = Polychlorinated Biphenyls
SVOCs = Semivolatile Organic Compounds Biphenyls
TPH = Total Petroleum Hydrocarbons
VOCs = Volatile Organic Compounds
U.S. EPA = United States Environmental Protection Agency

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Table 4.53-8
AOC MISC 1 Sampling Results Summary for Organic Compounds (PCB Wipe)
June 1998

PCB WIPE (98SY-PC2a-P-0)						
Analytical Parameter	**Number of Samples**	**Number of Detections**	**Concentration ($\mu g/100cm^2$)**	**State of California Regulatory Levels ($\mu g/100cm^2$)**	**U.S. EPA RCRA Criteria ($\mu g/100cm^2$)**	**Number of Detections above Criteria**
PCBs	1	0	ND	NA	10 [(a)]	0

(a) Low contact indoor surfaces per 40 CFR 761 (IV) (C) (2) b and c.

AOC = Area of Concern
CFR = Code of Federal Regulations
cm^2 = Centimeters squared
MISC = Miscellaneous
N/A = Not Applicable
ND = Not Detected
PCBs = Polychlorinated Biphenyls
RCRA = Resource Conservation and Recovery Act
μg = Micrograms
U.S. EPA = United States Environmental Protection Agency

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Table 4.53-9
AOC MISC 1 Platform Sampling Results Summary for Metals (Soil)
June 1998

SOIL (98SY-M1Pa-S-0)						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	Number of Detections above Criteria
Antimony	1	1	71.0	750	11.3	0
Arsenic	1	1	18.0	3.0	17.5	1
Barium	1	1	142	100,000	275	0
Beryllium	1	0	ND	3,400	1.4	0
Cadmium	1	1	4.5	930	1.7	0
Chromium	1	1	5,890	450	60.9	1
Cobalt	1	1	80.7	29,000	24.5	0
Copper	1	1	20,000	70,000	798.7	0
Lead	1	1	141	1,000	185.2	0
Mercury	1	1	0.12	560	2.5	0
Molybdenum	1	1	537	9,400	NA	0
Nickel	1	1	9,170J	37,000	32.6	0
Selenium	1	1	2.5	9,400	1.4	0
Silver	1	1	9.2	9,400	1.5	0
Thallium	1	0	ND	150	4.2	0
Vanadium	1	1	53.7	13,000	84.9	0
Zinc	1	1	1,590	100,000	844.9	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.

AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
MISC= Miscellaneous
NA = Not Available
ND = Not Detected
PRG = Preliminary Remediation Goal
U.S. EPA = United States Environmental Protection Agency

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Table 4.53-10
AOC MISC 1 Sampling Results Summary for Metals (Liquid)
June 1998

LIQUID (98SY-M1Da-L-5)						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	State of California Regulatory Levels [a] (mg/L)	U.S. EPA RCRA Criteria [a] (mg/L)	Number of Detections above Criteria
Antimony	1	0	ND	15	NA	0
Arsenic	1	1	0.0017J	5	5	0
Barium	1	0	ND	100	100	0
Beryllium	1	0	ND	0.75	NA	0
Cadmium	1	0	ND	1	1	0
Chromium	1	1	0.0146	5	5	0
Cobalt	1	0	ND	80	NA	0
Copper	1	0	ND	25	NA	0
Lead	1	1	0.0050J	5	5	0
Mercury	1	1	0.00018J	0.2	0.2	0
Molybdenum	1	1	0.131	350	NA	0
Nickel	1	1	0.128	20	NA	0
Selenium	1	1	0.0039J	1	1	0
Silver	1	0	ND	5	5	0
Thallium	1	0	ND	7	NA	0
Vanadium	1	1	0.0101	24	NA	0
Zinc	1	0	ND	250	NA	0
Cr^{+6}	1	0	ND	5	NA	0

(a) See Section 3.7 for sources of criteria.

AOC = Area of Concern
Cr^{+6} = Hexavalent Chromium
J = Estimated Concentration
MISC= Miscellaneous
mg/L = Milligrams Per Liter
NA = Not Available
N/A = Not Applicable
ND = Not Detected
RCRA = Resource Conservation and Recovery Act
U.S. EPA = United States Environmental Protection Agency

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Table 4.53-11
AOC MISC 1 Sampling Results Summary for Metals (Wood Block)
June 1998

WOOD BLOCK (98SY-M1Wa-B-0)						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	State of California Regulatory Levels [a] (mg/kg)	U.S. EPA RCRA Criteria [a] (mg/kg)	Number of Detections above Criteria
Antimony	1	1	8.2J	500	NA	0
Arsenic	1	1	2.5	500	100	0
Barium	1	1	50.4	10,000	2,000	0
Beryllium	1	0	ND	75	NA	0
Cadmium	1	1	9.7	100	20	0
Chromium	1	1	218J	2,500	100	1
Cobalt	1	1	5.1J	8,000	NA	0
Copper	1	1	455	2,500	NA	0
Lead	1	1	281J	1,000	100	1
Mercury	1	1	0.26	20	4	0
Molybdenum	1	1	8.3	3,500	NA	0
Nickel	1	1	99.2	2,000	NA	0
Selenium	1	1	0.48	100	20	0
Silver	1	1	3.2J	500	100	0
Thallium	1	0	ND	700	N/A	0
Vanadium	1	1	6.7	2,400	NA	0
Zinc	1	1	1,050J	5,000	NA	0

(a) See Section 3.7 for screening criteria. 20 times rule for solids.

AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
MISC = Miscellaneous
NA = Not Available
N/A = Not Applicable
ND = Not Detected
RCRA = Resource Conservation and Recovery Act
U.S. EPA = United States Environmental Protection Agency

Table 4.53-12
AOC MISC 1 Dip Tank Area Sampling Results Summary for Organic Compounds
March 1999

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	SOIL (99SY-M1Db-S-2 and 99SY-M1Dc-S-2)					GROUNDWATER (99SY-M1Db-S-2 and 99SY-M1Dc-S-2)				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Number of Detections above Criteria	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water [b] (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) [c]										
Chloroform	2	0	ND	0.52	0	2	2	0.001J, 0.001J	0.130	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) If not listed in this table, the remaining analytes were not detected.

AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
MISC = Miscellaneous
ND = Not Detected
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

Table 4.53-13
AOC MISC 1 Sampling Results Summary for Metals
March 1999

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SOIL (99SY-M1Db-S-2 and 99SY-M1Dc-S-2)						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [(a)] (mg/kg)	Background Level [(b)] (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	2	2	0.49J, 0.38J	750	11.3	0
Arsenic	2	2	1.5, 2.3	3.0	17.5	0
Barium	2	2	89.2, 60.2	100,000	275	0
Beryllium	2	0	ND	3,400	1.4	0
Cadmium	2	2	0.037J, 0.057J	930	1.7	0
Chromium	2	2	24.6, 11.2	450	60.9	0
Cobalt	2	2	6.9, 5.7	29,000	24.5	0
Copper	2	2	16.1, 9.7	70,000	798.7	0
Lead	2	2	4.6, 1.4	1000	185.2	0
Mercury	2	2	0.021J, 0.048J	560	2.5	0
Molybdenum	2	1	3.4	9,400	NA	0
Nickel	2	2	11.4, 7.7	37,000	32.6	0
Selenium	2	1	0.61	9,400	1.4	0
Silver	2	0	ND	9,400	1.5	0
Thallium	2	0	ND	150	4.2	0
Vanadium	2	2	20.8, 23.8	13,000	84.9	0
Zinc	2	2	35.0, 30.4	100,000	844.9	0

Table 4.53-13 (continued)
AOC MISC 1 Sampling Results Summary for Metals
March 1999

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GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water [c] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Criteria
Antimony	2	0	ND	1.2	0.0616	0
Arsenic	2	1	0.0029J	0.008	0.0276	0
Barium	2	2	0.207, 0.191	1[d]	0.1777	0
Beryllium	2	0	ND	3.3×10^{-5}	0.002	0
Cadmium	2	0	ND	0.001	0.0017	0
Chromium	2	2	0.0103, 0.0053	190	0.0029	0
Cobalt	2	2	0.0075, 0.0044J	2.2[d]	0.0071	0
Copper	2	2	0.0118, 0.0088J	0.003	0.1072	0
Lead	2	0	ND	0.002	0.028	0
Mercury	2	0	ND	4.0×10^{-5}	0.0009	0
Molybdenum	2	2	0.0221, 0.0354	0.18[d]	NA	0
Nickel	2	2	0.0126, 0.0049J	0.005	0.0958	0
Selenium	2	1	0.0024J	0.015	0.040	0
Silver	2	0	ND	0.0007	0.0072	0
Thallium	2	0	ND	0.014	0.0075	0
Vanadium	2	1	0.0178	0.26[d]	0.0107	0
Zinc	2	2	0.0395, 0.0142	0.020	0.291	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for screening criteria for water.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

AOC = Area of Concern
J = Estimated Concentration

MISC = Miscellaneous
mg/L = Milligrams Per Liter
NA = Not available
PRG = Preliminary Remediation Goal
U.S. EPA = United States Environmental Protection Agency

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Table 4.56-5
AOC MISC 4 Sampling Results Summary for Organics (Wood Blocks)
June 1998

WOOD BLOCK							
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)		State of California Regulatory Levels [a] (mg/kg)	U.S. EPA RCRA Criteria [a] (mg/kg)	Number of Detections above Criteria
			M4Wa (stained)	M4Wb (not stained)			
VOCs (60 analytes) [b]							
Naphthalene	2	2	1,400J	5,500J	NA	NA	0
p-Isopropyltoluene	2	1	ND	54J	NA	NA	0
SVOCs (64 analytes) [b]							
Acenaphthene	2	2	642J	640	NA	NA	0
Acenaphthylene	2	2	83.7	67J	NA	NA	0
Anthracene	2	2	1,060	817	NA	NA	0
Benz(a)anthracene	2	2	1,310J	660	NA	NA	0
Benzo(a)pyrene	2	2	220J	380J	NA	NA	0
Benzo(b)fluoranthene	2	2	ND	410J	NA	NA	0
Benzo(g,h,i)perylene	2	2	81.2J	150J	NA	NA	0
Benzo(k)fluoranthene	2	2	280J	240J	NA	NA	0
Bis (2-chloroisopropyl) ether	2	1	31J	ND	NA	NA	0
2-Chloronapthalene	2	1	5J	ND	NA	NA	0
Chrysene	2	2	577J	560J	NA	NA	0
Dibenz(a,h)anthracene	2	2	30J	160J	NA	NA	0
Dibenzofuran	2	1	ND	923	NA	NA	0
2,4-Dimethylphenol	2	1	87.2	ND	NA	NA	0
Fluoranthene	2	2	2,200	1,900	NA	NA	0
Fluorene	2	2	510	597	NA	NA	0
Ideno(1,2,3-cd)pyrene	2	1	ND	160J	NA	NA	0
2-Methylnaphthalene	2	2	480J	722	NA	NA	0
3/4-Methylphenol(m/p-Cresol)	2	2	280	71J	200	200	1
2-Methylphenol (o-Cresol)	2	1	140	ND	200	200	0
Naphthalene	2	2	715J	1,400	NA	NA	0
Phenanthrene	2	2	3,900	3,200	NA	NA	0
Phenol	2	1	15J	ND	NA	NA	0
2-Picoline	2	1	6.8J	ND	NA	NA	0
Pyrene	2	2	1,700	1,300	NA	NA	0
PCBs	2	0	ND	ND	N/A	N/A	0
Dioxins -TCDD							
1,2,3,6,7,8-HxCDD	1	1		4.6×10^{-5}	NA	NA	0
1,2,3,4,6,7,8-HpCDD	1	1		9.9×10^{-5}	NA	NA	0
1,2,3,4,6,7,8,9-OCDD	1	1		11.1×10^{-5}	NA	NA	0
1,2,3,4,7,8-HxCDF	1	1		0.7×10^{-5}	NA	NA	0
1,2,3,4,6,7,8-HpCDF	1	1		1.6×10^{-5}	NA	NA	0
1,2,3,4,6,7,8,9-OCDF	1	1		0.63×10^{-5}	NA	NA	0
Cyanide	2	0	ND	ND	N/A	N/A	0
TPH-Gasoline	2	2	35J[c]	1,900J [c]	NA	NA	0
TPH-Diesel	2	2	99,000J[d]	650,000J[d]	NA	NA	0
TPH-Motor Oil	2	2	190,000J	320,000J	NA	NA	0

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(a) See Section 3.7 for screening criteria. 2o times U.S> EPA RCRA criteria for solids.
(b) If not listed in this table, the remaining analytes were not detected.
(c) Not a typical gasoline pattern, sample contained high concentration of VOC analytes.
(d) Mixture of compound in diesel/motor oil range.

AOC = Area of Concern
J = Estimated Concentration
NA = Not Available
N/A = Not Applicable
ND = Not Detected
mg/kg = Milligrams Per Kilogram
MISC = Miscellaneous
PCBs = Polychlorinated Biphenyls
RCRA = Resource Conservation and Recovery Act
SVOCs = Semivolatile Organic Compounds
TPH = Total Petroleum Hydrocarbons
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

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Table 4.56-6
AOC MISC 4 Sampling Results Summary for Organics (Liquid)
June 1998

LIQUID						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/L)	State of California Regulatory Levels[a], (mg/L)	U.S. EPA RCRA Criteria[a] (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) [b]	0	N/A	N/A	N/A	N/A	N/A
SVOCs (64 analytes) [c]	1	0	ND	N/A	N/A	0
PCBs	1	0	ND	N/A	N/A	0
TPH-Gasoline	1	0	ND	N/A	N/A	0
TPH-Diesel	1	0	ND	N/A	N/A	0
TPH-Motor Oil	1	1	1,000,000[d]	NA	NA	0

(a) See Section 3.7 for screening criteria.
(b) Not enough sample volume for analysis.
(c) If not listed in this table, the remaining analytes were not detected.
(d) 100 percent oil.

AOC = Area of Concern
NA = Not Available
N/A = Not Applicable
ND = Not Detected
mg/L = Milligrams Per Liter
MISC = Miscellaneous
PCBs = Polychlorinated Biphenyls
RCRA = Resource Conservation and Recovery Act
SVOCs = Semivolatile Organic Compounds
TPH = Total Petroleum Hydrocarbons
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

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Table 4.56-7
AOC MISC 4 Sampling Results Summary for Metals (Wood Block)
June 1998

WOOD BLOCK							
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)		State of California Regulatory Levels[(a)] (mg/kg)	U.S. EPA RCRA Criteria [(a)] (mg/kg)	Number of Detections above Criteria
			M4Wa (stained)	M4Wb (not stained)			
Antimony	2	2	18.8J	0.82J	500	NA	0
Arsenic	2	2	3.0J	0.64	500	100	0
Barium	2	2	58.4J	11.5	10,000	2,000	0
Beryllium	2	0	ND	ND	N/A	N/A	0
Cadmium	2	2	6.2J	2.1	100	20	0
Chromium	2	2	269J	13.8J	2,500	100	1
Cobalt	2	2	79.0J	14.4J	8,000	NA	0
Copper	2	2	3,340J	170	2,500	NA	0
Lead	2	2	668J	91.6J	1,000	100	0
Mercury	2	2	0.24	0.30	20	4	0
Molybdenum	2	2	33.2J	4.6	3,500	NA	0
Nickel	2	2	236J	23.8	2,000	NA	0
Selenium	2	1	1.9J	ND	100	20	0
Silver	2	2	3.8J	0.40J	500	100	0
Thallium	2	0	ND	ND	N/A	N/A	0
Vanadium	2	2	8.9J	1.1	2,400	NA	0
Zinc	2	2	1,820J	471J	5,000	NA	0

(a) See Section 3.7 for screening criteria.

AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
MISC = Miscellaneous
NA = Not Available
N/A = Not Applicable
ND = Not Detected
RCRA = Resource Conservation and Recovery Act
U.S. EPA = United States Environmental Protection Agency

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Table 4.56-8
AOC MISC 4 Sampling Results Summary for Metals (Liquid)
June 1998

LIQUID						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/kg)	State of California Regulatory Levels[(a)] (mg/L)	U.S. EPA RCRA Criteria [(a)] (mg/L)	Number of Detections above Criteria
Antimony	1	0	ND	N/A	N/A	0
Arsenic	1	0	ND	N/A	N/A	0
Barium	1	0	ND	N/A	N/A	0
Beryllium	1	0	ND	N/A	N/A	0
Cadmium	1	0	ND	N/A	N/A	0
Chromium	1	1	1.1	80	NA	0
Cobalt	1	0	ND	N/A	N/A	0
Copper	1	1	143	25	N/A	0
Lead	1	1	13.1	5	100	0
Mercury	1	0	ND	N/A	N/A	0
Molybdenum	1	0	ND	N/A	N/A	0
Nickel	1	1	0.81J	20	NA	0
Selenium	1	0	ND	N/A	N/A	0
Silver	1	0	ND	N/A	N/A	0
Thallium	1	0	ND	N/A	N/A	0
Vanadium	1	0	ND	N/A	N/A	0
Zinc	1	1	48.5	250	NA	0

(a) See Section 3.7 for screening criteria.

AOC = Area of Concern
J = Estimated Concentration
mg/L = Milligrams Per Liter
MISC = Miscellaneous
NA = Not Available
N/A = Not Applicable
ND = Not Detected
RCRA = Resource Conservation and Recovery Act
U.S. EPA = United States Environmental Protection Agency

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Table 4.57-5
AOC MISC 5 Sampling Results Summary for Metals
June 1998

SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Background Level (b) (mg/kg)	Number of Detections above Criteria
Antimony	4	4	45.3, 30.1J, 23.9, 31.7	750	11.3	0
Arsenic	4	4	**22.9, 27.7, 22.3, 30.4**	3.0	17.5	4
Barium	4	4	272, 108, 105, 166	10,000	275	0
Beryllium	4	0	ND	3,400	1.4	0
Cadmium	4	4	9.7, 3.7J, 3.1, 5.4	930	1.7	0
Chromium	4	4	**3,130, 2,070, 1,710, 1,830**	450	60.9	4
Cobalt	4	4	62.6, 83.3, 71.7, 82.8	29,000	24.5	0
Copper	4	4	4,450, 8,020, 5,000, 9,070	70,000	798.7	0
Lead	4	4	**1,390, 774, 2,410, 1,320**	1,000	185.2	3
Mercury	4	4	0.35, 0.20, 0.50J, 0.83	560	2.5	0
Molybdenum	4	4	336, 404, 388, 395	9,400	NA	0
Nickel	4	4	5,060J, 11,200J, 7,810J, 7,970J	37,000	32.6	0
Selenium	4	3	2.5, 2.4J, 2.2	9,400	1.4	0
Silver	4	4	6.9J, 5.8, 4.8, 8.0	9,400	1.5	0
Thallium	4	3	1.9J, 3.4, 2.3	150	4.2	0
Vanadium	4	4	77.9, 43.2, 40.7, 57.0	13,000	84.9	0
Zinc	4	4	1,770, 1,040, 785, 1,470	100,000	844.9	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.

AOC = Area of Concern
J = Estimated Concentration
MISC = Miscellaneous
NA = Not Available
ND = Not Detected
mg/kg = Milligrams Per Kilogram
MISC = Miscellaneous
PRG = Preliminary Remediation Goal
U.S. EPA = United States Environmental Protection Agency

Table 4.58-5
AOC MISC 6 Sampling Results Summary for Organic Compounds
March 1999

DRAFT

	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Number of Detections above Criteria	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water [b] (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) [c]										
Chloroform	4	0	ND	0.52	0	4	3	0.002J, 0.001J, 0.002J	0.130	0
Chloromethane	4	0	ND	2.6	0	4	1	0.0008J	0.0015 [e]	0
Cis-1,2-Dichloroethene	4	0	ND	150	0	4	3	0.0008J, 0.0009J, 0.0008J	0.006[e]	0
Tetrachloroethene	4	2	0.004J, 0.001J	16	0	4	0	ND	0.099	0
Trichloroethene	4	2	0.006, 0.001J	6.1	0	4	0	ND	0.027	
SVOCs (64 analytes)	4	0	ND	N/A	0					
TPH-diesel	4	2	1J, 0.09J	10,000[d]	0	4	1	0.1J	NA	0
TPH-motor oil	4	0	ND	50,000[d]	0	4	0	ND	25	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) If not listed in this table, the remaining analytes were not detected.
(d) From Los Angeles Resource Water Quality Control Board, *Interim Site Assessment and Cleanup Guidebook*, Table 4-1, dated May 1996. Values are for soils above a non-drinking water aquifer.
(e) No Ocean Plan criteria exist. Value presented is for informational purposes only.

ADD = Additional
AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter

MISC = Miscellaneous
NA = Not Available
N/A = Not Applicable
ND = Not Detected
PRG = Preliminary Remediation Goal
SVOCs = Semivolatile Organic Compounds
TPH= Total Petroleum Hydrocarbons
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

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Table 4.58-6
AOC MISC 6 Sampling Results Summary for Metals
March 1999

DRAFT

SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	4	3	0.13J, 0.21J, 0.36J	750	11.3	0
Arsenic	4	4	2.0, 3.5, 2.4, 2.0	3.0	17.5	0
Barium	4	4	32.5, 81.0, 29.2, 61.4	100,000	275	0
Beryllium	4	0	ND	3,400	1.4	0
Cadmium	4	4	0.030J, 0.057J, 0.023J, 0.017J	930	1.7	0
Chromium	4	4	12.3, 17.0, 8.8, 13.0	450	60.9	0
Cobalt	4	4	4.7, 8.3, 4.9, 7.1	29,000	24.5	0
Copper	4	4	5.4, 9.7, 5.2, 8.1	70,000	798.7	0
Lead	4	4	7.3, 3.1, 3.1, 1.4	1,000	185.2	0
Mercury	4	1	0.033J	560	2.5	0
Molybdenum	4	0	ND	9,400	NA	0
Nickel	4	4	7.5, 12.4, 6.2, 10.0	37,000	32.6	0
Selenium	4	2	0.41J, 0.66	9,400	1.4	0
Silver	4	0	ND	9,400	1.5	0
Thallium	4	0	ND	150	4.2	0
Vanadium	4	4	28.0, 29.2, 20.9, 25.9	13,000	84.9	0
Zinc	4	4	27.0, 38.5, 23.9, 36.6	100,000	844.9	0

Table 4.58-6 (continued)
AOC MISC 6 Sampling Results Summary for Metals
March 1999

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GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water [c] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Criteria
Antimony	4	1	0.0123	1.2	0.0616	0
Arsenic	4	1	0.0064	0.008	0.0276	0
Barium	4	4	0.137, 0.149, 0.1, 0.144	1[d]	0.1777	0
Beryllium	4	2	000013J, 0.0001J	3.3×10^{-5}	0.002	0
Cadmium	4	0	ND	0.001	0.0017	0
Chromium	4	1	0.0053	190	0.0029	0
Cobalt	4	1	0.0011J	2.2[d]	0.0071	0
Copper	4	1	0.0019J	0.003	0.1072	0
Lead	4	1	0.0043J	0.002	0.028	0
Mercury	4	0	ND	4.0×10^{-5}	0.0009	0
Molybdenum	4	4	0.0068J, 0.0053J, 0.0144, 0.0159	0.18[d]	NA	0
Nickel	4	2	0.0065, 0.0048J	0.005	0.0958	0
Selenium	4	4	0.0082J, 0.0074J, 0.006J, 0.0053J	0.015	0.040	0
Silver	4	1	0.0015J	0.0007	0.0072	0
Thallium	4	0	ND	0.014	0.0075	0
Vanadium	4	1	0.00052J	0.26[d]	0.0107	0
Zinc	4	2	0.0115, 0.0075	0.020	0.291	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for screening criteria for water.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

AOC = Area of Concern
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
NA = Not Available
ND = Not Detected
PRG = Preliminary Remediation Goal
U.S. EPA = United States Environmental Protection Agency

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Table 4.60-5
AOC MISC 8 Sampling Results Summary for Organic Compounds
February-March 1999

DRAFT

	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Number of Detections above Criteria	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water(b) (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) (c)										
Chloroform	11	0	ND	0.52	0	11	6	0.0009J, 0.002J, 0.0006J, 0.002J, 0.001J, 0.0007J,	0.130	0
SVOCs (64 analytes) (c)										
Benz(a)anthracene	11	1	0.09J	3.6	0	10 (e)	0	ND	8.8×10^{-6}	0
Benzo(b)fluoranthene	11	1	0.14J	3.6	0	10(e)	0	ND	8.8×10^{-6}	0
Bis(2-ethylhexyl)phthalate	11	0	ND	210	0	10(e)	6	0.001J, 0.013, 0.088, 0.018, 0.001J, 0.02	0.0035	4
Butyl Benzyl Phthalate	11	0	ND	930	0	10(e)	0	ND	7.3 (f)	0
Chrysene	11	1	0.098J	360	0	10(e)	0	ND	8.8×10^{-6}	0
Fluoranthene	11	1	0.16J	37,000	0	10(e)	0	ND	0.015	0
Pyrene	11	1	0.21J	26,000	0	10(e)	0	ND	8.8×10^{-6}	0
TPH-gasoline	11	0	ND	1,000(d)	0	11	3	0.14, 0.04J, 0.03J	NA	0
TPH-diesel	11	2	6J, 110	10,000(d)	0	10(e)	4	0.1J, 0.05J, 0.1J, 0.2J	NA	0
TPH-motor oil	11	3	27, 11J, 590	100,000(d)	0	10(e)	1	0.3J	25	0
PCBs – Aroclor 1260	11	3	0.087, 0.004J, 0.004J	1.3	0	10(e)	0	ND	N/A	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) If not listed in this table, the remaining analytes were not detected.

(d) From Los Angeles Regional Water Quality Control Board *Interiem Site Assessment and Cleanup Guidebook,* dated May 1996. Values are for soils > 150 feet above the nearest drinking water aquifer.

(e) Not enough volume could be collected inside the battery storage area because of poor groundwater recovery. Sample ID 99SY-MI8c-W-12.

(f) No Ocean Plan criteria exist. Value presented is for informational purposes only.

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ADD = Additional
AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
NA = Not Available
ND = Not Detected

SVOCs = Semivolatile Organic Compounds
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

Table 4.60-6
AOC MISC 8 Sampling Results Summary for Metals
February-March 1999

SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Background Level (b) (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	11	9	0.77J, 0.34J, 0.54J, 0.25J, 0.44J, 0.56J, 0.21J, 0.32J, 1.2J	750	11.3	0
Arsenic	11	11	13.9, 2.9, 2.3, 3.8, 3.2, 5.8, 1.9, 3.1, 5.0, 4.5, 10	3.0	17.5	0
Barium	11	11	171, 34.6, 61.6, 53.7, 186, 86.7, 15.8, 61.5, 110, 82.1, 132	100,000	275	0
Beryllium	11	0	ND	3,400	1.4	0
Cadmium	11	11	0.23J, 0.024J, 0.17J, 0.05J, 0.14J, 0.066J, 0.027J, 0.07J, 0.099J, 0.039J, 0.19J	930	1.7	0
Chromium	11	11	39.3, 11.7, 22.1, 12.4, 21.5, 17.5, 7.0, 17.7 , 17.9, 16.6, 54.6	450	60.9	0
Cobalt	11	11	19.4, 5.1, 3.9, 6.2, 15.8, 9.8, 2.1, 6.2 , 9.9, 10.5, 14.5	29,000	24.5	0
Copper	11	11	47.4, 4.4, 44.5, 7.0, 15.7, 11.1, 2.6, 7.7 , 14.5, 11.5, 25.3	70,000	798.7	0
Lead	11	11	10.8, 16.4, 29.7, 2.0, 3.1, 2.3, 2.3, 5.8, 4.7, 2.1, 8.6	1000	185.2	0
Mercury	11	5	0.074J, 0.15J, 0.023J, 0.019J, 0.060J	560	2.5	0
Molybdenum	11	4	0.17J, 0.17J, 0.11J, 1.8	9,400	NA	0
Nickel	11	11	29.9, 5.8, 5.8, 8.9, 20.6, 13.2, 4.3, 16.4, 14.5, 13.1, 31.7	37,000	32.6	0
Selenium	11	3	0.68, 0.25J, 0.61J	9,400	1.4	0
Silver	11	0	ND	9,400	1.5	0
Thallium	11	0	ND	150	4.2	0
Vanadium	11	11	69.2, 35.0, 20.5, 25.2, 32.5, 31.6, 8.4, 26.0, 37.4, 32.4, 49.8	13,000	84.9	0
Zinc	11	11	93.4, 30.9, 23.1, 29.1, 43.9, 45.7, 15.7, 29.3, 43.5, 49.4, 73.7	100,000	844.9	0
Cyanide	11	0	ND	35	N/A	0

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Table 4.60-6 (continued)
AOC MISC 8 Sampling Results Summary for Metals and Cyanide
February-March 1999

GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water [c] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Criteria
Antimony	11	2	0.009J, 0.095J,	1.2	0.0616	0
Arsenic	11	2	0.0026J, 0.0037J	0.008	0.0276	0
Barium	11	11	0.0805, 0.0876, 0.19, 0.137, 0.153, 0.137, 0.153, 0.0584, 0.0747, 0.141, 0.0824	1[d]	0.1777	0
Beryllium	11	2	0.00013J, 0.00011J,	3.3×10^{-5}	0.002	0
Cadmium	11	2	0.00038J, 0.00037J	0.001	0.0017	0
Chromium	11	3	0.0073, 0.0075, 0.00055J	190	0.0029	0
Cobalt	11	8	0.0029J, 0.00097J, 0.0028J, 0.0032J, 0.0037J, 0.0034J, 0.0032J, 0.0035J	2.2[d]	0.0071	0
Copper	11	4	0.0012J, 0.0066J, 0.002J, 0.001J	0.003	0.1072	0
Lead	11	3	0.0043J, 0.0034J, 0.0037J,	0.002	0.028	0
Mercury	10[e]	0	ND	4.0×10^{-5}	0.0009	0
Molybdenum	11	11	0.0077, 0.0097, 0.236, 0.0088, 0.0062, 0.0067, 0.0077, 0.0073, 0.01, 0.0021J, 0.0113,	0.18[d]	NA	0
Nickel	11	11	0.0022J, 0.0024J, 0.0265, 0.0057, 0.0062, 0.0059, 0.0028J, 0.0011J, 0.0065, 0.0026J, 0.0045J	0.005	0.0958	0
Selenium	11	5	0.0024J, 0.004J, 0.0024J, 0.0034J, 0.0067J	0.015	0.040	0
Silver	11	3	0.0011J, 0.0031J, 0.0013J,	0.0007	0.0072	0
Thallium	11	0	ND	0.014	0.0075	0
Vanadium	11	4	0.0021J, 0.0006J, 0.0089J, 0.00041J	0.26[d]	0.0107	0
Zinc	11	6	0.0058, 0.0769, 0.0056, 0.0068, 0.0022J, 0.0025J	0.020	0.291	0
Cyanide	10[e]	0	ND	0.01	NA	0

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(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for screening criteria for water.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.
(e) Not enough volume could be collected inside the battery storage area because of poor groundwater recovery. Sample ID 99SY-MI8c-W-12.

AOC = Area of Concern
mg/kg = Milligrams Per Kilogram
mg/L =Milligrams Per Liter
PRG = Preliminary Remediation Goal
U.S. EPA = United States Environmental Protection Agency

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Table 4.61-5
AOC PCB 16 Sampling Results Summary for Organic Compounds
June 1998

Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Screening Criteria (a) (μg/cm²)	Number of Detections above Criteria
			PCB WIPE		
PCBs	1	0	ND	100	0

Analytical Parameter	Number of Samples	Number of Detections	Concentration	Screening Criteria (b)	Number of Detections above Criteria
			SOIL		
VOCs (60 analytes)	1	0	ND	N/A	0
			GROUNDWATER		
VOCs (60 analytes)	1	0	ND	N/A	0

(a) 40 CFR 761 (IV) (C) (2) d for low contact outdoor surfaces.
(b) See Section 3.7 for screening criteria.

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AOC = Area of Concern
CFR = Code of Federal Regulations
Mg/kg = Milligrams per Kilogram
N/A = Not Applicable
ND = Not Detected
PCB = Polychlorinated Biphenyl
PRG = Preliminary Remediation Goal
μg/cm² = Micrograms per Square Centimeter
VOC = Volatile Organic Compounds

Table 4.61-6
AOC PCB 16 Sampling Results Summary for Metals
June 1998

SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Background Level (b) (mg/kg)	Number of Detections above PRGs and Background Level
Antimony	1	0	ND	750	11.3	0
Arsenic	1	1	1.1	3.0	17.5	0
Barium	1	1	106J	100,000	275	0
Beryllium	1	0	ND	3,400	1.4	0
Cadmium	1	0	ND	930	1.7	0
Chromium	1	1	13.1	450	60.9	0
Cobalt	1	1	5.1	29,000	24.5	0
Copper	1	1	15.8J	70,000	798.7	0
Lead	1	1	3.5J	1000	185.2	0
Mercury	1	1	0.076	560	2.5	0
Molybdenum	1	1	1.1	9,400	NA	0
Nickel	1	1	7.0	37,000	32.6	0
Selenium	1	1	0.56	9,400	1.4	0
Silver	1	0	ND	9,400	1.5	0
Thallium	1	0	ND	150	4.2	0
Vanadium	1	1	16.0	13,000	84.9	0
Zinc	1	1	31.4	100,000	844.9	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.
(c) No Ocean Plan criteria exist. Value presented is for informational purposes only.

J = Estimated Concentration
mg/kg = Milligram per Kilogram
NA = Not Available
ND = Not Detected
PCB = Polychlorinated Biphenyl
PRG = Preliminary Remediation Goal

AOC = Area of Concern

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Figure 4.61-6 (continued)
AOC PCB 16 Sampling Results Summary for Metals
June 1998

GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water[a] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Screening Criteria and Background Levels
Antimony	1	0	ND	1.2	0.0616	0
Arsenic	1	1	0.0066	0.008	0.0276	0
Barium	1	1	0.133J	1[c]	0.1777	0
Beryllium	1	0	ND	0.000033	0.002	0
Cadmium	1	0	ND	0.001	0.0017	0
Chromium	1	1	0.0045J	190	0.28315	0
Cobalt	1	1	0.0024J	2.2[c]	0.0071	0
Copper	1	1	0.0101	0.003	0.1072	0
Lead	1	0	ND	0.002	0.028	0
Mercury	1	0	ND	0.00004	0.0009	0
Molybdenum	1	1	0.0116J	0.18[c]	NA	0
Nickel	1	1	0.0026J	0.005	0.0958	0
Selenium	1	1	0.0073	0.015	0.040	0
Silver	1	0	ND	0.0007	0.0072	0
Thallium	1	1	0.0017J	0.014	0.0075	0
Vanadium	1	0	ND	0.26[c]	0.0107	0
Zinc	1	0	ND	0.02	0.291	0

(a) See Section 3.7 for screening criteria.
(b) Background levels are listed in Appendix L.
(c) No Ocean Plan criteria exist. Value presented is for informational purposes only.

AOC = Area of Concern

J = Estimated Concentration
mg/L = Milligrams per liter
NA = Not Available
ND = Not Detected
PCB = Polychlorinated Biphenyl

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Table 4.62-4
AOC PCB 17 Sampling Results Summary for PCBs
March 1999

PCB WIPE						
Analytical Parameter	**Number of Samples**	**Number of Detections**	**Concentration ($\mu g/100cm^2$)**	**State of California Regulatory Levels ($\mu g/100cm^2$)**	**40CFR 761 Criteria ($\mu g/100cm^2$)**	**Number of Detections above Criteria**
PCBs						
Aroclor 1254	4	4	3.7, 2.2, 2.3, 1.6	NA	10 [(a)]	0

(a) Low contact indoor surfaces per 40 CFR 761 (IV) (C) (2) b and c.

AOC = Area of Concern
CFR = Code of Federal Regulations
cm^2 = Centimeters squared
N/A = Not Applicable
ND = Not Detected
PCBs = Polychlorinated Biphenyls
RCRA = Resource Conservation and Recovery Act
μg = Micrograms
U.S. EPA = United States Environmental Protection Agency

Table 4.65-6
AOC PT 1 Laboratory Sampling Results Summary for Organic Compounds
June 1998

	SOIL					GROUNDWATER				
Analytical Parameter	No. of Samples	No. of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	No. of Detections above PRGs	No. of Samples	No. of Detections	Concentration (mg/L)	Screening Criteria [b] (mg/L)	No. of Detections above Screening Criteria
VOCs (60 analytes) [c]										
cis-1,2-Dichloroethene	7	0	ND	150	0	7	2	0.002J, 0.001J	0.006 [d]	0
1,1,1-Trichloroethane	7	0	ND	1,400	0	7	1	0.001J	540	0
SVOCs (64 analytes) [c]	7	0	ND	N/A	0	7	0	ND	0.0009	0
Cyanide	7	0	ND	35	0	7	0	ND	0.01	0
pH	7	7	7.63 to 8.40 (pH Units)	NA	0	7	7	7.03 to 7.27 (pH Units)	6.0 to 9.0 (pH Units)	0

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(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for sources of criteria.
(c) If not listed in this table, the remaining analytes were not detected.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

AOC = Area of Concern
J = Estimated concentration
Mg/kg = Milligrams Per Kilogram
Mg/L = Milligrams Per Liter
NA = Not Available
N/A = Not Applicable
ND = Not Detected
No. = Number
PRG = Preliminary Remediation Goal
PT = Process Tank
SVOCs = Semivolatile Organic Compounds
VOCs = Volatile Organic Compounds

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Table 4.65-7
AOC PT 1 Laboratory Sampling Results Summary for Organic Compounds (Liquid)
June 1998

	LIQUID					
Analytical Parameter	No. of Samples	No. of Detections	Concentration (mg/L)	State of California Regulatory Levels[a]	U.S. EPA RCRA Criteria[a]	No. of Detections Above Screening Criteria
VOCs (60 analytes) [b]						
1,1,1-Trichloroethane	1	1	14.0J	NA	NA	0
Carbon Tetrachloride	1	1	3.45J	NA	0.5	1
1,1-Dichloroethane	1	1	1.7J	NA	NA	0
1,1-Dichloroethene	1	1	0.12J	NA	0.7	0
SVOCs (64 analytes) [b]						
Bis (2-ethylhexyl) phthalate	1	1	0.011J	NA	NA	0
Cyanide	1	1	0.90J	NA	NA	0
pH	1	1	7.97 (pH Units)	2.0 to 12.5 (pH Units)	2.0 to 12.5 (pH Units)	0

(a) See Section 3.7 for sources of criteria.
(b) If not listed in this table, the remaining analytes were not detected.

AOC = Area of Concern
J = Estimated concentration
mg/L = milligrams per liter
NA = Not Available
No. = Number
PT = Process Tank
RCRA = Resource Conservation and Recovery Act
SVOCs = Semivolatile Organic Compounds
US EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

Table 4.65-8
AOC PT 1 Sampling Results for Metals
June 1998

	SOIL						GROUNDWATER					
Analytical Parameter	No. of Samples	No. of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	No. of Detections above PRGs	No. of Samples	No. of Detections	Concentrations (mg/L)	Screening Criteria for water[c] (mg/L)	Background Level [b] (mg/L)	No. of Detections above Screening Criteria
Antimony	7	0	ND	750	11.3	0	7	0	ND	1.2	0.0616	0
Arsenic	7	7	2.3, 2.0, 2.3, 2.2, 2.2, 2.1, 2.2	3.0	17.5	0	7	1	0.0038J	0.008	0.0276	0
Barium	7	7	30.3, 32.2, 22.9, 27.4, 23.3, 20.3J. 31.9	100,000	275	0	7	7	0.0802J, 0.0942J, 0.0854J, 0.108J, 0.0686J, 0.034, 0.0543	1[d]	0.1777	0
Beryllium	7	0	ND	3,400	1.4	0	7	0	ND	3.3×10^{-5}	0.0020	0
Cadmium	7	0	ND	930	1.7	0	7	0	ND	0.001	0.0017	0
Chromium	7	7	19.2, 10.8, 8.5, 10.1, 9.9, 12.9, 10.2	450	60.9	0	7	0	ND	190	0.0029	0
Cobalt	7	7	2.6, 2.5, 3.3, 3.6, 3.2, 3.2, 3.4	29,000	24.5	0	7	0	ND	2.2[d]	0.0071	0
Copper	7	7	3.6, 3.4, 4.2, 4.6, 4.9, 5.3, 4.4	70,000	798.7	0	7	0	ND	0.003	0.1072	0
Lead	7	7	2.6, 2.4, 2.6, 2.2, 3.6, 4.1, 3.4	1,000	185.2	0	7	1	0.0016J	0.002	0.028	0
Mercury	7	4	0.11J, 0.025J, 0.063J, 0.16J	560	2.5	0	7	1	0.00015J	4.0×10^{-5}	0.0009	0
Molybdenum	7	0	ND	9,400	N/A	0	7	5	0.0115, 0.0089, 0.0091J, 0.0104, 0.0058J,	0.18[d]	NA	0
Nickel	7	7	10.1, 6.3, 5.6, 6.5, 6.3, 7.5, 6.4	37,000	32.6	0	7	2	0.0109, 0.0387J	0.005	0.0958	0
Selenium	7	0	ND	9,400	1.4	0	7	1	0.0029J	0.015	0.040	0
Silver	7	0	ND	9,400	1.5	0	7	0	ND	0.0007	0.0072	0
Thallium	7	0	ND	150	4.2	0	7	0	ND	0.014	0.0075	0
Vanadium	7	7	11.9, 11.2, 14.8, 16.0, 14.9, 16.8, 16.1	13,000	84.9	0	7	0	ND	0.26[d]	0.0107	0
Zinc	7	7	14.6, 15.0, 18.8, 19.1, 20.1J, 22.3J, 19.8	100,000	844.9	0	7	1	0.0185J	0.020	0.291	0
Cr^{+6}	7	0	ND	64	NA	0	7	0	ND	0.002	NA	0

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Table 4.65-8 (continued)
AOC PT 1 Sampling Results for Metals
June 1998

LIQUID						
Analytical Parameter	No. of Samples	No. of Detections	Concentration (mg/L)	State of California Regulatory Levels [c] (mg/L)	U.S. EPA RCRA Criteria [a,c] (mg/L)	No. of Detections above Screening Criteria
Antimony	1	1	0.558	15	NA	0
Arsenic	1	1	0.0184	5	5	0
Barium	1	1	0.0559	100	100	0
Beryllium	1	0	ND	0.75	NA	0
Cadmium	1	1	0.129	1	1	0
Chromium	1	1	0.0484	5	5	0
Cobalt	1	1	0.0295	80	NA	0
Copper	1	1	3.1	25	NA	0
Lead	1	0	ND	5	5	0
Mercury	1	1	0.002	0.2	0.2	0
Molybdenum	1	1	0.310	350	NA	0
Nickel	1	1	7.760	20	NA	0
Selenium	1	1	0.0355	1	1	0
Silver	1	1	0.050	5	5	0
Thallium	1	0	ND	7	NA	0
Vanadium	1	0	ND	24	NA	0
Zinc	1	1	0.103	250	NA	0
Cr^{+6}	1	0	ND	5	NA	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for sources of criteria
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

AOC = Area of Concern
Cr^{+6} = Hexavalent Chromium
J = Estimated Concentration
NA = Not Available
N/A = Not Applicable

ND = Not Detected
No. = Number
PRG = Preliminary Remediation Goal
PT = Process Tank
mg/kg = Milligrams per kilogram
mg/L = Milligrams per liter
RCRA = Resource Conservation and Recovery Act
U.S. EPA = United States Environmental Protection Agency

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Table 4.66-6
AOC PT 2 Sampling Results Summary for Organic Compounds, Hexavalent Chromium, and pH
June 1998

	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Number of Detections above PRG	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water[b] (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) [c]										
cis-1,2-Dichloroethene	1	0	ND	150	0	1	1	0.001J	0.006 [d]	0
Cyanide	1	0	ND	35	0	1	0	ND	0.01	0
Cr^{+6}	1	0	ND	64	0	1	0	ND	0.002	0
pH	1	1	8.06 (pH units)	NA	0	1	1	7.12 (pH units)	6.0 to 9.0 (pH units)	0

(a) From U.S.EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) If not listed in this table, the remaining analytes were not detected.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

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AOC = Area of Concern
Cr^{+6} = Hexavalent Chromium
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
NA = Not Available
N/A = Not Applicable
ND = Not Detected
PRG = Preliminary Remediation Goal
PT = Process Tank
U.S. EPA = United States Environmental Protection Agency
VOC = Volatile Organic Compound

Table 4.66-7
AOC PT 2 Sampling Results Summary for Metals
June 1998

	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	Number of Detections above PRGs and Background	Number of Samples	Dissolved Concentration (mg/L)	Screening Criteria for Water [c] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Criteria
Antimony	1	ND	750	11.3	0	1	ND	1.2	0.0616	0
Arsenic	1	4.1	3.0	17.5	0	1	ND	0.008	0.0276	0
Barium	1	74.7	100,000	275	0	1	0.170J	1[d]	0.1777	0
Beryllium	1	ND	3,400	1.4	0	1	ND	3.3×10^{-5}	0.002	0
Cadmium	1	ND	930	1.7	0	1	ND	0.001	0.0017	0
Chromium	1	14.6	450	60.9	0	1	ND	190	0.0029	0
Cobalt	1	8.2	29,000	24.5	0	1	ND	2.2[d]	0.0071	0
Copper	1	10.9	70,000	798.7	0	1	ND	0.003	0.1072	0
Lead	1	3.4	1000	185.2	0	1	ND	0.002	0.028	0
Mercury	1	0.031	560	2.5	0	1	ND	4.0×10^{-5}	0.0009	0
Molybdenum	1	ND	9,400	NA	0	1	0.0061	0.18[d]	NA	0
Nickel	1	11.1	37,000	32.6	0	1	ND	0.005	0.0958	0
Selenium	1	ND	9,400	1.4	0	1	ND	0.015	0.040	0
Silver	1	0.12	9,400	1.5	0	1	ND	0.0007	0.0072	0
Thallium	1	ND	150	4.2	0	1	ND	0.014	0.0075	0
Vanadium	1	27.7	13,000	84.9	0	1	ND	0.26[d]	0.0107	0
Zinc	1	44.2	100,000	844.9	0	1	ND	0.020	0.291	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for screening criteria for water.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
NA = Not Available
ND = Not Detected
PRG = Preliminary Remediation Goal
PT = Process Tank

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Table 4.67-5
AOC PT 3 Sampling Results Summary for Organic Compounds
February-March 1999

	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Number of Detections above Criteria	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water (b) (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) (c)										
Chloroform	5	0	ND	0.52	0	5	4	0.0008J, 0.001J, 0.002J, 0.0008J	0.130	0
Toluene	5	0	ND	520	0	5	1	0.0006J	85	0
Cis-1,2-Dichloroethene	5	0	ND	150	0	5	2	0.001J, 0.004J	0.006 (e)	0
Tetrachloroethene	5	2	0.007, 0.003J	16	0	5	0	ND	0.099	0
1,3-Dichlorobenzene	5	1	0.002J	140	0	5	0	ND	5100	0
1,1,1-Trichloroethane	5	1	0.002J	1,400	0	5	0	ND	540	0
SVOCs (64 analytes) (c)										
Bis(2-ethylhexyl) phthalate	5	0	ND	210	0	5	0	0.003J	0.0035	0
TPH-diesel	5	2	2J, 2J	10,000(d)	0	5	0	ND	NA	0
TPH-motor oil	5	2	3J, 7J	50,000(d)	0	5	0	ND	25	0
PCBs	5	2			0	5	0			0
Aroclor-1260	5	2	0.039, 0.008J, (f)	1.3	0	5	0	ND	$9x10^{-8}$	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) If not listed in this table, the remaining analytes were not detected.

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(d) From Los Angeles Regional Water Quality Control Board, *Interiem Site Assessment and Cleanup Guidebook*, dated May 1996. Values are for soils > 150 feet above the nearest drinking water aquifer.

(e) No Ocean Plan criteria exist. Value presented is for informational purposes only.

(f) Sample 99SY-PT3e-S-2 contained pesticide/chlordane at an unknown concentration.

ADD = Additional
AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
NA = Not Available
N/A = Not Applicable
ND = Not Detected
PCBs = Polychlorinated Biphenyls
PRG = Preliminary Remediation Goal
PT = Process Tank
SVOCs = Semivolatile Organic Compounds
TPH= Total Petroleum Hydrocarbons
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

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Table 4.67-6
AOC PT 3 Sampling Results Summary for Metals
February-March 1999

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SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	5	4	0.27J, 1.7J, 1.6, 0.53J	750	11.3	0
Arsenic	5	5	2.7, 2.7, 2.3, 1.0, 4.0	3.0	17.5	0
Barium	5	5	51.1, 208, 71.4, 39.8, 51.9	100,000	275	0
Beryllium	5	0	ND	3,400	1.4	0
Cadmium	5	4	0.081J, 0.35, 0.042J, 0.071J	930	1.7	0
Chromium	5	5	11.0, 27.7, 10.4, 12.6, 11.1	450	60.9	0
Cobalt	5	5	5.7, 12.8, 6.8, 3.8, 5.3	29,000	24.5	0
Copper	5	5	6.3, 51.4, 8.7, 10.4, 8.0	70,000	798.7	0
Lead	5	5	2.4, 14.8, 3.9, 1.9, 4.2	1,000	185.2	0
Mercury	5	4	0.17J, 0.020J, 0.026J, 0.022J	560	2.5	0
Molybdenum	5	1	0.041J	9,400	NA	0
Nickel	5	5	7.6, 31.3, 10.6, 6.9, 8.2	37,000	32.6	0
Selenium	5	3	0.38J, 0.43J, 0.61	9,400	1.4	0
Silver	5	0	ND	9,400	1.5	0
Thallium	5	0	ND	150	4.2	0
Vanadium	5	5	19.9, 29.9, 21.7, 15.6, 19.8	13,000	84.9	0
Zinc	5	5	27.0, 64.3, 28.2, 21.7, 37.7	100,000	844.9	0

Table 4.67-6 (continued)
AOC PT 3 Sampling Results Summary for Metals
February-March 1999

GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water [c] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Criteria
Antimony	5	0	ND	1.2	0.0616	0
Arsenic	5	0	ND	0.008	0.0276	0
Barium	5	5	0.0862, 0.108, 0.124, 0.127, 0.856	1[d]	0.1777	0
Beryllium	5	5	0.00013J, 0.000087J, 0.00013J, 0.00012J, 0.00012J	3.3×10^{-5}	0.002	0
Cadmium	5	1	0.00030J	0.001	0.0017	0
Chromium	5	0	ND	190	0.0029	0
Cobalt	5	0	ND	2.2[d]	0.0071	0
Copper	5	1	0.0011J	0.003	0.1072	0
Lead	5	0	ND	0.002	0.028	0
Mercury	5	0	ND	4.0×10^{-5}	0.0009	0
Molybdenum	5	5	0.0057, 0.0058, 0.0056, 0.0060, 0.005J	0.18[d]	NA	0
Nickel	5	1	0.0116	0.005	0.0958	0
Selenium	5	5	0.0085J, 0.0074J, 0.0086J, 0.0079J, 0.0087J	0.015	0.040	0
Silver	5	0	ND	0.0007	0.0072	0
Thallium	5	0	ND	0.014	0.0075	0
Vanadium	5	0	ND	0.26[d]	0.0107	0

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Zinc	5	0	ND	0.020	0.291	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed Appendix L.
(e) See Section 3.7 for screening criteria for water.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

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AOC = Area of Concern
mg/kg = Milligrams Per Kilogram
mg/L =Milligrams Per Liter
NA = Not Available
ND = Not Detected
PRG = Preliminary Remediation Goal
PT = Process Tank
U.S. EPA = United States Environmental Protection Agency

Table 4.68-5
AOC PT 4 Sampling Results Summary for Organic Compounds
June 1998

	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Number of Detections above Criteria	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water(b) (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) (c)										
Chloroform	4	0	ND	0.52	0	3	1	0.001J	0.130	0
Toluene	4	0	ND	520	0	3	1	0.0003J	85	0

(a) From U.S.EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) If not listed in this table, the remaining analytes were not detected.

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AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligram Per Kilogram
mg/L = Milligram Per Liter
ND = Not Detected
PT = Process Tank
U.S. EPA = United States Environmental Protection Agency
VOC = Volatile Organic Compound

Table 4.68-6
AOC PT 4 Sampling Results Summary for Inorganic Compounds
June 1998

SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Background Level (b) (mg/kg)	Number of Detections above PRGs and Background
Antimony	4	3	0.22J, 0.38J, 0.72J	750	11.3	0
Arsenic	4	4	3.5, 3.1, 4.4, 2.7	3.0	17.5	0
Barium	4	4	168J, 116, 72.3J, 61.5J	100,000	275	0
Beryllium	4	0	ND	3,400	1.4	0
Cadmium	4	3	0.29, 0.075J, 0.16J	930	1.7	0
Chromium	4	4	20.0 J, 14.4 J, 15.1 J, 12.0 J	450	60.9	0
Cobalt	4	4	8.7, 8.4, 6.2, 5.9	29,000	24.5	0
Copper	4	4	22.9 J, 12.9 J, 12.3 J, 8.4 J	70,000	798.7	0
Lead	4	4	5.9 J, 4.0 J, 4.8 J, 1.9 J	1,000	185.2	0
Mercury	4	3	0.033J, 0.033J, 0.031J	560	2.5	0
Molybdenum	4	2	0.86, 0.054J	9,400	NA	0
Nickel	4	4	21.4, 14.3, 13.4, 8.9	37,000	32.6	0
Selenium	4	2	0.28J, 0.42J	9,400	1.4	0
Silver	4	0	ND	9,400	1.5	0
Thallium	4	0	ND	150	4.2	0
Vanadium	4	4	25.8, 27.0, 22.6, 23.0	13,000	84.9	0
Zinc	4	4	46.8, 35.0, 30.8, 27.0	100,000	844.9	0
Cr^{+6}	4	0	ND	64	NA	0
Cyanide	4	0	ND	35	NA	0
pH	4	4	9.00, 9.03, 8.82, 9.07	NA	NA	0

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Figure 4.68-6 (continued)
AOC PT 4 Sampling Results Summary for Metals
June 1998

GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water[c] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Screening Criteria and Background Levels
Antimony	3	0	ND	1.2	0.0616	0
Arsenic	3	3	0.007, 0.0085, 0.0075	0.008	0.0276	0
Barium	3	3	0.0636 J, 0.0604 J, 0.0643 J	1[d]	0.1777	0
Beryllium	3	0	ND	0.000033	0.002	0
Cadmium	3	0	ND	0.001	0.0017	0
Chromium	3	3	0.0043J, 0.0044J, 0.0042J	190	0.28315	0
Cobalt	3	3	0.0067 J, 0.00054J. 0.0023J	2.2[d]	0.0071	0
Copper	3	3	0.0098J, 0.0083J, 0.0112	0.003	0.1072	0
Lead	3	0	ND	0.002	0.028	0
Mercury	3	0	ND	0.00004	0.0009	0
Molybdenum	3	3	0.0278 J, 0.0098 J, 0.0110 J	0.18[d]	NA	0
Nickel	3	3	0.0098 J, 0.0019J, 0.0027J	0.005	0.0958	0
Selenium	3	3	0.008J, 0.0081J, 0.0078J	0.015	0.040	0
Silver	3	0	ND	0.0007	0.0072	0
Thallium	3	1	0.0015J	0.014	0.0075	0
Vanadium	3	0	ND	0.26[d]	0.0107	0
Zinc	3	0	ND	0.02	0.291	0
Cr^{+6}	3	0	ND	0.002	NA	0
Cyanide	3	0	ND	0.001	NA	0
pH	3	3	7.07, 7.44, 7.55 (pH units)	6.0 to 9.0 (pH units)	NA	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for screening criteria for water.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

AOC = Area of Concern
Cr^{+6} = Hexavalent Chromium
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
NA = Not Available
ND = Not Detected
PRG = Preliminary Remediation Goal

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Table 4.69-5
AOC PT 5 Sampling Results Summary for Organic Compounds
June 1998

	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Number of Detections above PRG	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water[b] (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) [c]										
Chloroform	1	0	ND	0.52	0	1	1	0.0005J	0.130	0

(a) From U.S.EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) If not listed in this table, the remaining analytes were not detected.

AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
ND = Not Detected
PRG = Preliminary Remediation Goal
PT = Process Tank
U.S. EPA = United States Environmental Protection Agency
VOC = Volatile Organic Compound

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Table 4.69-6
AOC PT 5 Sampling Results Summary for Inorganic Compounds
June 1998

SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG[a] (mg/kg)	Background Level[b] (mg/kg)	Number of Detections above PRGs and Background
Antimony	1	0	ND	750	11.3	0
Arsenic	1	1	3.9	3.0	17.5	0
Barium	1	1	118	100,000	275	0
Beryllium	1	0	ND	3,400	1.4	0
Cadmium	1	0	ND	930	1.7	0
Chromium	1	1	10	450	60.9	0
Cobalt	1	1	8.4	29,000	24.5	0
Copper	1	1	22.2	70,000	798.7	0
Lead	1	1	4.8	1,000	185.2	0
Mercury	1	1	0.045J	560	2.5	0
Molybdenum	1	0	ND	9,400	NA	0
Nickel	1	1	9.1J	37,000	32.6	0
Selenium	1	0	ND	9,400	1.4	0
Silver	1	0	ND	9,400	1.5	0
Thallium	1	0	ND	150	4.2	0
Vanadium	1	1	27.1	13,000	84.9	0
Zinc	1	1	44.8	100,000	844.9	0
Cr^{+6}	1	0	ND	64	NA	0
Cyanide	1	0	ND	35	NA	0
pH	1	1	8.10 (pH units)	NA	NA	0

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Table 4.69-6 (continued)
AOC PT 5 Sampling Results Summary for Inorganic Compounds
June 1998

GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water [f] (mg/L)	Background Level[b] (mg/L)	Number of Detections above Screening and Background Criteria
Antimony	1	0	ND	1.2	0.0616	0
Arsenic	1	1	0.0088	0.008	0.0276	0
Barium	1	1	0.0616	1[d]	0.1777	0
Beryllium	1	0	ND	3.3×10^{-5}	0.002	0
Cadmium	1	0	ND	0.001	0.0017	0
Chromium	1	0	ND	190	0.28315	0
Cobalt	1	0	ND	2.2[d]	0.0071	0
Copper	1	1	0.0089J	0.003	0.1072	0
Lead	1	0	ND	0.002	0.028	0
Mercury	1	0	ND	0.00004	0.0009	0
Molybdenum	1	0	ND	0.18[d]	NA	0
Nickel	1	0	ND	0.005	0.0958	0
Selenium	1	1	0.0041J	0.015	0.040	0
Silver	1	0	ND	0.0007	0.0072	0
Thallium	1	0	ND	0.014	0.0075	0
Vanadium	1	0	ND	0.26[d]	0.0107	0
Zinc	1	0	ND	0.02	0.291	0
Cr^{+6}	1	0	ND	0.002	NA	0
Cyanide	1	0	ND	0.01	NA	0
pH	1	1	7.37 (pH units)	6 to 9 (pH units)	NA	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998
(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for screening criteria for water.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

U.S. EPA = United States Environmental Protection Agency

AOC = Area of Concern
Cr^{+6} = Hexavalent Chromium
J = Estimated Concentration
mg/kg = Milligram Per Kilogram
NA = Not Available
N/A = Not Applicable
ND = Not Detected
PRG = Preliminary Remediation Goal

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Table 4.70-5
AOC PT 6 Sampling Results Summary for Organic Compounds
June 1998

	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Number of Detections above Criteria	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water(b) (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) (c)										
1,2,3-Trichlorobenzene	4	0	ND	N/A	0	3	1	0.0004J	NA	0
pH	4	4	8.93 to 9.15 (pH units)	NA	0	3	3	7.20 to 7.47 (pH units)	6.0 to 9.0 (pH units)	0

(a) From U.S.EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) If not listed in this table, the remaining analytes were not detected.

AOC = Area of Concern
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
NA = Not Available
ND = Not Detected
PRG = Preliminary Remediation Goal
PT = Process Tank
VOCs = Volatile Organic Compounds
U.S. EPA = United States Environmental Protection Agency

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Figure 4.70-6
AOC PT 6 Sampling Results Summary for Metals, Hexavalent Chromium, and Cyanide
June 1998

SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG[a] (mg/kg)	Background Level[b] (mg/kg)	Number of Detections above Criteria
Antimony	4	2	0.44J, 0.18J	750	11.3	0
Arsenic	4	4	3.1, 2.4, 4.6, 3.0	3.0	17.5	0
Barium	4	4	52.5J, 55.4J, 150, 65.2	100,000	275	0
Beryllium	4	0	ND	3,400	1.4	0
Cadmium	4	1	0.013J	930	1.7	0
Chromium	4	4	11.6J, 13.3J, 24.8J, 13.9	450	60.9	0
Cobalt	4	4	5.4, 5.8, 15.3J, 7.7	29,000	24.5	0
Copper	4	4	7.2J, 9.6J, 25.3, 13.3	70,000	798.7	0
Lead	4	4	2.8J, 3.3J, 7.4J, 4.0	1,000	185.2	0
Mercury	4	3	0.025J, 0.078J, 0.078J	560	2.5	0
Molybdenum	4	2	0.088J, 0.19J	9,400	NA	0
Nickel	4	4	7.8, 9.7, 20.9, 10.6	37,000	32.6	0
Selenium	4	1	0.37J	9,400	1.4	0
Silver	4	0	ND	9,400	1.5	0
Thallium	4	0	ND	150	4.2	0
Vanadium	4	4	22.7, 21.1, 47.9, 27.6	13,000	84.9	0
Zinc	4	4	27.0, 29.0, 82.3J, 42.7J	100,000	844.9	0
Cr^{+6}	4	0	ND	64	NA	0
Cyanide	4	0	ND	35[c]	NA	0

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Figure 4.70-6 (continued)
AOC PT 6 Sampling Results Summary for Metals, Hexavalent Chromium, and Cyanide
June 1998

GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water[c] (mg/L)	Background Level[b] (mg/L)	Number of Detections above Criteria
Antimony	3	0	ND	1.2	0.0616	0
Arsenic	3	3	0.0061, 0.0048J, 0.0061	0.008	0.0276	0
Barium	3	3	0.0606J, 0.0586J, 0.116	1[d]	0.1777	0
Beryllium	3	0	ND	3.3×10^{-5}	0.002	0
Cadmium	3	0	ND	0.001	0.0017	0
Chromium	3	2	0.0047J, 0.0039J	190	0.0029	0
Cobalt	3	2	0.0014J, 0.0015J	2.2[d]	0.0071	0
Copper	3	2	0.0077J, 0.0080J	0.003	0.1072	0
Lead	3	0	ND	0.002	0.028	0
Mercury	3	0	ND	4.0×10^{-5}	0.0009	0
Molybdenum	3	2	0.0070J, 0.0062J	0.18[d]	NA	0
Nickel	3	2	0.0020J, 0.0011J	0.005	0.0958	0
Selenium	3	3	0.0070J, 0.0081J, 0.0053J	0.015	0.040	0
Silver	3	0	ND	0.0007	0.0072	0
Thallium	3	0	ND	0.014	0.0075	0
Vanadium	3	0	ND	0.26[d]	0.0107	0
Zinc	3	0	ND	0.020	0.291	0
Cr^{+6}	3	0	ND	0.002	NA	0
Cyanide	3	0	ND	0.01	NA	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for screening criteria for water.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

AOC = Area of Concern
Cr^{+6} = Hexavalent Chromium
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
NA = Not Available

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(g) For informational purposes only.

ND = Not Detected
PRG = Preliminary Remediation Goal
PT = Process Tank
U.S. EPA = United States Environmental Protection Agency

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Table 4.71-5
AOC PT 7 Sampling Results Summary for Organic Compounds
June 1998

SOIL					
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (mg/kg)	Number of Detections above Criteria
VOCs (60 analytes)	3	0	ND	N/A	0

AOC = Area of Concern
mg/kg = Milligrams Per Kilogram
NA = Not Available
N/A = Not Applicable
ND = Not Detected
PT = Process Tank
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

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Table 4.71-6
AOC PT 7 Sampling Results Summary for Metals
June 1998

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SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	3	0	ND	750	11.3	0
Arsenic	3	3	1.9, 2.7, 2.2	3.0	17.5	0
Barium	3	3	25.6, 52.7, 30.8	100,000	275	0
Beryllium	3	0	ND	3,400	1.4	0
Cadmium	3	0	ND	930	1.7	0
Chromium	3	3	4.9, 10.5, 13.6	450	60.9	0
Cobalt	3	3	2.4, 5.7, 2.6	29,000	24.5	0
Copper	3	3	3.6, 10.3, 3.9	70,000	798.7	0
Lead	3	3	0.48, 7.3, 2.2	1,000	185.2	0
Mercury	3	2	0.054J, 0.034J	560	2.5	0
Molybdenum	3	0	ND	9,400	NA	0
Nickel	3	3	3.2, 9.2J, 8.1J	37,000	32.6	0
Selenium	3	0	ND	9,400	1.4	0
Silver	3	0	ND	9,400	1.5	0
Thallium	3	0	ND	150	4.2	0
Vanadium	3	3	10.5, 21.0, 11.3	13,000	84.9	0
Zinc	3	3	13.0, 29.2, 15.5	100,000	844.9	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.

AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligram Per Kilogram
ND = Not Detected
PRG = Preliminary Remediation Goal
PT = Process Tank
U.S. EPA = United States Environmental Protection Agency

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Table 4.72-5
AOC PT 8 Sampling Results Summary for Metals
June 1998

SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Background Level (b) (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	2	0	ND	750	11.3	0
Arsenic	2	2	4.4, 4.3	3.0	17.5	0
Barium	2	2	88.4, 88.2	100,000	275	0
Beryllium	2	0	ND	3,400	1.4	0
Cadmium	2	0	ND	930	1.7	0
Chromium	2	2	11.4, 18.3	450	60.9	0
Cobalt	2	2	6.5, 9.8	29,000	24.5	0
Copper	2	2	11.3, 16.7	70,000	798.7	0
Lead	2	2	4.1, 3.6	1,000	185.2	0
Mercury	2	2	0.050J, 0.028J	560	2.5	0
Molybdenum	2	2	0.35, 0.35	9,400	NA	0
Nickel	2	2	8.4, 14.3	37,000	32.6	0
Selenium	2	0	ND	9,400	1.4	0
Silver	2	2	0.087J, 0.097J	9,400	1.5	0
Thallium	2	0	ND	150	4.2	0
Tin	2	2	24.3, 12.4	100,000	NA	0
Vanadium	2	2	27.0, 34.9	13,000	84.9	0
Zinc	2	2	33.3, 51.2	100,000	844.9	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.

AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
NA = Not Available
ND = Not Detected
PRG = Preliminary Remediation Goal
PT = Process Tank
U.S. EPA = United States Environmental Protection Agency

Table 4.73-5
AOC PT 10 Sampling Results Summary for Organic Compounds
June 1998

	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Number of Detections above Criteria	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water(b) (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) (c)	4	0	ND	N/A	0	3	0	ND	N/A	0
SVOCs (64 analytes) (c)										
Bis(2-ethylhexyl)phthalate	4	1	6.9	210	0	3	1	0.110J	0.0035	1
Chrysene	4	1	0.860J	360	0	3	0	ND	8.8×10^{-6}	0
Fluoranthene	4	1	0.930J	37,000	0	3	0	ND	0.015	0
Phenanthrene	4	1	0.520J	NA	0	3	0	ND	NA	0
PCBs										
Aroclor-1260	4	2	0.150, 1.4J(d)	1.3	1	3	0	ND	1.9×10^{-8}	0
Dioxins										
1,2,3,4,6,7,8-HpCDD	1 (d)	1 (d)	1.6×10^{-5}			0	0	N/A	N/A	0
1,2,3,4,6,7,8,9-OCDD	1 (d)	1 (d)	2.18×10^{-5}			0	0	N/A	N/A	0
2,3,7,8-TCDF	1 (d)	1 (d)	1.7×10^{-5}			0	0	N/A	N/A	0
1,2,3,4,7,8-HxCDF	1 (d)	1 (d)	1.9×10^{-5}			0	0	N/A	N/A	0
1,2,3,6,7,8-HxCDF	1 (d)	1 (d)	0.6×10^{-5}			0	0	N/A	N/A	0
2,3,4,6,7,8-HxCDF	1 (d)	1 (d)	1.1×10^{-5}			0	0	N/A	N/A	0
1,2,3,4,6,7,8-HpCDF	1 (d)	1 (d)	0.46×10^{-5}			0	0	N/A	N/A	0
1,2,3,4,6,7,8,9-OCDF	1 (d)	1 (d)	0.11×10^{-5}			0	0	N/A	N/A	0
TCDD Equivalents			9.7×10^{-5}	3×10^{-5}	1 (d)					
TPH-Gasoline	4	2	0.05J, 0.04J	1,000(e)	0	3	2	0.02J, 0.02J	NA	0
TPH-Diesel	4	3	2J, 20J, 5,600(d)	10,000(e)	0	3	0	ND	NA	0
TPH-Motor Oil	4	3	2J, 92J, 12,000(d)	50,000(e)	0	3	1	0.06J	25	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) If not listed in this table, the remaining analytes were not detected.
(d) Surface soil sample 98SY-T10d-S-0 in the foundry area.

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(e) From Los Angeles Resource Water Quality Control Board, *Interim Site Assessment and Cleanup Guidebook*, Table 4-1, dated May 1996. Values are for soils above a non-drinking water aquifer.

AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
NA = Not Available
N/A = Not Applicable
ND = Not Detected
PT = Process Tank
PCBs = Polychlorinated Biphenyls
SVOCs = Semivolatile Organic Compounds
TCDD = Tetrachlorodibenzodioxin
TPH = Total Petroleum Hydrocarbons
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

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Table 4.73-6
AOC PT 10 Sampling Results Summary for Metals
June 1998

SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	4	3	3.8J, 56.9J	750	11.3	0
Arsenic	4	4	3.4, 4.2, 2.5J, **21.6** [e]	3.0	17.5	1[e]
Barium	4	4	64.0, 114, 42.4J, 318	100,000	275	0
Beryllium	4	0	ND	3,400	1.4	0
Cadmium	4	2	0.56, 11.7	930	1.7	0
Chromium	4	4	12.5, 38.1, 15.9, **3,660** [e]	450	60.9	1[e]
Cobalt	4	4	6.8, 9.4, 4.9, 79.6	29,000	24.5	0
Copper	4	4	10.2, 52.1, 7.0J, 7,090	70,000	798.7	0
Lead	4	4	2.4, 35.8, 2.3J, **2,290** [e]	1000	185.2	1[e]
Mercury	4	4	0.034J, 0.96, 0.17J, 0.62	560	2.5	0
Molybdenum	4	2	0.32, 407	9,400	NA	0
Nickel	4	4	9.6, 14.3, 10.5J, 7,970J	37,000	32.6	0
Selenium	4	1	3.8J	9,400	1.4	0
Silver	4	3	0.070J, 0.060J, 11.2	9,400	1.5	0
Thallium	4	1	2.5J	150	4.2	0
Vanadium	4	4	25.8, 35.1, 17.0J, 69.2	13,000	84.9	0
Zinc	4	4	34.9, 142, 27.5, 1,700	100,000	844.9	0

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Table 4.73-6 (continued)
AOC PT 10 Sampling Results Summary for Metals
June 1998

GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water [c] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Criteria
Antimony	3	0	ND	1.2	0.0616	0
Arsenic	3	1	0.0017J	0.008	0.0276	0
Barium	3	3	0.105, 0.136J, 0.0555	1[d]	0.1777	0
Beryllium	3	0	ND	3.3×10^{-5}	0.002	0
Cadmium	3	0	ND	0.001	0.0017	0
Chromium	3	0	ND	190	0.0029	0
Cobalt	3	0	ND	2.2[d]	0.0071	0
Copper	3	0	ND	0.003	0.1072	0
Lead	3	0	ND	0.002	0.028	0
Mercury	3	1	0.0018	4.0×10^{-5}	0.0009	1
Molybdenum	3	2	0.0063, 0.00580	0.18[d]	NA	0
Nickel	3	0	ND	0.005	0.0958	0
Selenium	3	0	ND	0.015	0.040	0
Silver	3	0	ND	0.0007	0.0072	0
Thallium	3	0	ND	0.014	0.0075	0
Vanadium	3	0	ND	0.0107[d]	0.0107	0
Zinc	3	0	ND	0.020	0.291	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for screening criteria for water.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.
(e) Surface soil sample 98SY-T10d-S-0 in the foundry area.

AOC = Area of Concern
mg/kg = Milligrams Per Kilogram
Mg/L =Milligrams Per Liter
PRG = Preliminary Remediation Goal
PT = Process Tank
U.S. EPA = United States Environmental Protection Agency

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Table 4.74-5
AOC PT 11 Sampling Results Summary for Metals
June 1998

	SOIL						GROUNDWATER					
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Background Level (b) (mg/kg)	Number of Detections above Criteria	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water (c) (mg/L)	Background Level (b) (mg/L)	Number of Detections above Criteria
Antimony	1	0	ND	750	11.3	0	1	0	ND	1.2	0.0616	0
Arsenic	1	1	3.9	3.0	17.5	0	1	0	ND	0.008	0.0276	0
Barium	1	1	75.0	100,000	275	0	1	1	0.191J	1(d)	0.1777	0
Beryllium	1	0	ND	3,400	1.4	0	1	0	ND	3.3×10^{-5}	0.002	0
Cadmium	1	0	ND	930	1.7	0	1	0	ND	0.001	0.0017	0
Chromium	1	1	15.8	450	60.9	0	1	0	ND	190	0.0029	0
Cobalt	1	1	7.0	29,000	24.5	0	1	0	ND	2.2(d)	0.0071	0
Copper	1	1	12.6	70,000	798.7	0	1	0	ND	0.003	0.1072	0
Lead	1	1	5.1	1,000	185.2	0	1	0	ND	0.002	0.028	0
Mercury	1	1	0.093J	560	2.5	0	1	0	ND	4.0×10^{-5}	0.0009	0
Molybdenum	1	1	0.33	9,400	NA	0	1	1	0.0062	0.18(d)	NA	0
Nickel	1	1	10.4	37,000	32.6	0	1	0	ND	0.005	0.0958	0
Selenium	1	0	ND	9,400	1.4	0	1	0	ND	0.015	0.040	0
Silver	1	1	0.060J	9,400	1.5	0	1	0	ND	0.0007	0.0072	0
Thallium	1	0	ND	150	4.2	0	1	0	ND	0.014	0.0075	0
Vanadium	1	1	31.0	13,000	84.9	0	1	0	ND	0.26(d)	0.0107	0
Zinc	1	1	40.4	100,000	844.9	0	1	0	ND	0.020	0.291	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for screening criteria.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams per Liter
PRG = Preliminary Remediation Goal
PT = Process Tank
ND = Not Detected
U.S. EPA = United States Environmental Protection Agency

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Table 4.176-5
AOC UST 2 Sampling Results Summary for Organic Compounds
February 1999

	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Number of Detections above Criteria	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water(b) (mg/L)	Number of Detections above Criteria
VOCs (60 analytes)	1	0	ND	N/A	0	1	0	ND	N/A	0
SVOCs (64 analytes)	1	0	ND	N/A	0	1	0	ND	N/A	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.

AOC = Area of Concern
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
NA = Not Applicable
ND = Not Detected
PRG = Preliminary Remediation Goal
SVOCs = Semivolatile Organic Compounds
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

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Table 4.176-6
AOC UST 2 Sampling Results Summary for Metals
February 1999

SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	1	0	ND	750	11.3	0
Arsenic	1	1	4.1	3.0	17.5	0
Barium	1	1	65.4	100,000	275	0
Beryllium	1	0	ND	3,400	1.4	0
Cadmium	1	0	ND	930	1.7	0
Chromium	1	1	13.0	450	60.9	0
Cobalt	1	1	7.8	29,000	24.5	0
Copper	1	1	9.7	70,000	798.7	0
Lead	1	1	3.0	1,000	185.2	0
Mercury	1	1	0.046J	560	2.5	0
Molybdenum	1	0	ND	9,400	NA	0
Nickel	1	1	10.2	37,000	32.6	0
Selenium	1	0	ND	9,400	1.4	0
Silver	1	0	ND	9,400	1.5	0
Thallium	1	0	ND	150	4.2	0
Vanadium	1	1	27.2	13,000	84.9	0
Zinc	1	1	33.6	100,000	844.9	0

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Table 4.176-6 (continued)
AOC UST 2 Sampling Results Summary for Metals
February 1999

GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water [c] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Criteria
Antimony	1	1	0.0111	1.2	0.0616	0
Arsenic	1	1	0.0031J	0.008	0.0276	0
Barium	1	1	0.263	1[d]	0.1777	0
Beryllium	1	0	ND	3.3×10^{-5}	0.002	0
Cadmium	1	0	ND	0.001	0.0017	0
Chromium	1	1	0.0056	190	0.0029	0
Cobalt	1	0	ND	2.2[d]	0.0071	0
Copper	1	0	ND	0.003	0.1072	0
Lead	1	1	0.0022J	0.002	0.028	0
Mercury	1	1	0.0012J	4.0×10^{-5}	0.0009	0
Molybdenum	1	1	0.0155	0.18[d]	NA	0
Nickel	1	1	0.0021J	0.005	0.0958	0
Selenium	1	1	0.0048J	0.015	0.040	0
Silver	1	0	ND	0.0007	0.0072	0
Thallium	1	0	ND	0.014	0.0075	0
Vanadium	1	0	ND	0.26[d]	0.0107	0
Zinc	1	1	0.0035J	0.020	0.291	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for screening criteria for water.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
PRG = Preliminary Remediation Goal
U.S. EPA = United States Environmental Protection Agency

Table 4.178-5
AOC UST 4 Sampling Results Summary for Organic Compounds
February-March 1999

	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Number of Detections above Criteria	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water(b) (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) (c)										
Chloroform	5	0	ND	0.52	0	5	2	0.0007J, 0.002J	0.13	0
Cis-1,2-Dichloroethene	5	0	ND	150	0	5	2	0.0005J, 0.001J	0.006(d)	0
Toluene	5	0	ND	520	0	5	1	0.001J	85	0
SVOCs (64 analytes) (c)										
Bis(2-ethylhexyl)phthalate	8	1	1.2J	210	0	5	2	0.006J, 0.003J	0.0035	1
Butyl Benzyl Phthalate (BBP)	8	0	ND	930	0	5	1	0.003J	7.3(d)	0
Di-n-octyl phthalate (DOP)	8	1	0.260=J	10,000	0	5	0	ND	0.73(d)	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) If not listed in this table, the remaining analytes were not detected.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
N/A = Not Applicable
ND = Not Detected
PRGs = Preliminary Remediation Goals
SVOCs = Semivolatile Organic Compounds
U.S. EPA = United States Environmental Protection Agency
UST = Underground Storage Tank
VOCs = Volatile Organic Compounds

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Table 4.178-6
AOC UST 4 Sampling Results Summary for Metals
February-March 1999

SOIL//*EDIMENT*						
Analytical Parameter	**Number of Samples**	**Number of Detections**	**Concentration (mg/kg)**	**Industrial PRG [a] (mg/kg)**	**Background Level [b] (mg/kg)**	**Number of Detections above Industrial PRG and Background**
Antimony	8	5	0.70J, 0.63J, 0.55J, 2.0J, 7.5	750	11.3	0
Arsenic	8	8	3.1, 3.4, 6.0, 3.6, 8.4, 6.4, *7.4*, 7.7	3.0	17.5	0
Barium	8	8	55.1, 62.1, 123, 92.7, 92.5, 141, *202*, 150	100,000	275	0
Beryllium	8	0	ND	3,400	1.4	0
Cadmium	8	5	0.11J, 0.086J, 0.11J, 0.32, 7.8	930	1.7	0
Chromium	8	8	13.7, 12.9, 23.8, 17.5, 21.8, 51.7, *216*, 31.8	450	60.9	0
Cobalt	8	8	6.9, 7.4, 11.5, 9.5, 11.2, 14.9, *11.2*, 15.1	29,000	24.5	0
Copper	8	8	7.0, 7.8, 16.6, 20.0, 22.6, 50.0, *1,780*, 35.5	70,000	798.7	0
Lead	8	8	3.4, 3.0, 4.6, 7.0, 7.1, 12.8, *253*, 8.1	1000	185.2	0
Mercury	8	8	0.032J, 0.031J, 0.033J, 0.049J, 0.038J, 0.12J, *0.24*, 0.029J	560	2.5	0
Molybdenum	8	2	0.75, 36.2	9,400	NA	0
Nickel	8	8	9.6, 9.8, 17.0, 14.1, 20.4, 33.1, *259*, 29.9	37,000	32.6	0
Selenium	8	2	0.88, 0.23J	9,400	1.4	0
Silver	8	0	ND	9,400	1.5	0
Thallium	8	0	ND	150	4.2	0
Vanadium	8	8	21.6, 22.1, 39.7, 32.1, 37.9, 49.8, *18.6*, 46.4	13,000	84.9	0
Zinc	8	8	34.5, 38.4, 56.5, 46.7, 49.6, 146, *4,640*, 77.0	100,000	844.9	0

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Table 4.178-6 (continued)
AOC UST 4 Sampling Results Summary for Metals
February-March 1999

GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water (c) (mg/L)	Background Level (b) (mg/L)	Number of Detections above Criteria
Antimony	5	3	0.0112, 0.012, 0.0018J	1.2	0.0616	0
Arsenic	5	3	0.0058, 0.0092, 0.0049J	0.008	0.0276	0
Barium	5	5	0.206, 0.119, 0.113, 0.269, 0.136	1(d)	0.1777	0
Beryllium	5	0	ND	3.3×10^{-5}	0.002	0
Cadmium	5	0	ND	0.001	0.0017	0
Chromium	5	2	0.063, 0.062	190	0.0029	0
Cobalt	5	3	0.0013J, 0.00081J, 0.0038J	2.2(d)	0.0071	0
Copper	5	1	0.0016J	0.003	0.1072	0
Lead	5	2	0.0025J, 0.0045J	0.002	0.028	0
Mercury	5	1	0.00014J	4.0×10^{-5}	0.0009	0
Molybdenum	5	5	0.0157, 0.0148, 0.0072, 0.0066, 0.0011J	0.18(d)	NA	0
Nickel	5	5	0.0037J, 0.0031J, 0.0029J, 0.006, 0.0017J	0.005	0.0958	0
Selenium	5	4	0.003J, 0.0062J, 0.0064J, 0.0087J	0.015	0.040	0
Silver	5	1	0.00086J	0.0007	0.0072	0
Thallium	5	0	ND	0.014	0.0075	0
Vanadium	5	2	0.0015J, 0.0019J	0.26(d)	0.0107	0
Zinc	5	3	0.0098, 0.0084, 0.0055	0.020	0.291	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.

AOC = Area of Concern
J = Estimated Concentration

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Table 4.187-5
AOC ADD 5 Sampling Results Summary for Organic Compounds
March 1999

	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Number of Detections above Criteria	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water(b) (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) (c)										
Chloroform	5	0	ND	0.52	0	4	4	0.001J, 0.001J, 0.002J, 0.002J	0.130(b)	0
Ethylbenzene	5	0	ND	230	0	4	1	0.002J	4.1	0
Tetrachloroethene	5	1	0.008	16	0	4	0	ND	0.099	0
1,1,1-Trichloroethane	5	1	0.024	1,400	0	4	1	0.001J	540	0
Trichloroethene	5	1	0.01	6.1	0	4	0	ND	0.027	0
o-Xylene	5	0	ND	280	0	4	2	0.004J, 0.0004J	1.4(d)	0
M/p-Xylene	5	0	ND	210	0	4	2	0.008, 0.0008J	1.4(d)	0
SVOCs (64 analytes) (c)										
Diethyl phthalate (DEP)	5	0	ND	100,000	0	4	1	0.002J	0.73 (d)	0
TPH-gasoline	5	0	ND	1,000(b)	0	4	1	0.09	NA	0
TPH-diesel	5	3	2J, 1J, 27	10,000(b)	0	4	2	0.2J, 0.1J	NA	0
TPH-motor oil	5	3	6J, 4J, 87	50,000(b)	0	4	0	ND	25	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) If not listed in this table, the remaining analytes were not detected.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.
(e) From Los Angeles Resource Water Quality Control Board, *Interim Site Assessment and Cleanup Guidebook*, Table 4-1, dated May 1996. Values are for soils above a non-drinking water aquifer.

ADD = Additional
AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
N/A = Not Applicable
PRG = Preliminary Remediation Goal
SVOCs = Semivolatile Organic Compounds
TPH = Total Petroleum Hydrocarbons
U.S. EPA = United States Environmental Protection Agency

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NA = Not Available
ND = Not Detected

VOCs = Volatile Organic Compounds

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Table 4.187-6
AOC ADD 5 Sampling Results Summary for Metals and pH
March 1999

SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	5	3	0.29J, 1.4J, 0.19J	750	11.3	0
Arsenic	5	5	5.1, 2.6, 2.7, 13.4, 1.6	3.0	17.5	0
Barium	5	5	163, 75.6, 65.9, 109, 64.6	100,000	275	0
Beryllium	5	0	ND	3,400	1.4	0
Cadmium	5	4	0.12J, 0.083J, 0.33, 0.031J	930	1.7	0
Chromium	5	5	25.0, 13.1, 15.5, 26.9, 11.0	450	60.9	0
Cobalt	5	5	15.3, 7.0, 3.5, 9.6, 6.6	29,000	24.5	0
Copper	5	5	19.0, 11.6, 43.1, 20.1, 8.2	70,000	798.7	0
Lead	5	5	5.0, 3.3, 110, 10.3, 2.3	1000	185.2	0
Mercury	5	4	0.10J, 0.026J, 0.085J, 0.082J	560	2.5	0
Molybdenum	5	2	9.4, 20.1	9,400	NA	0
Nickel	5	3	20.0, 11.2, 9.2	37,000	32.6	0
Selenium	5	2	0.18J, 0.17J	9,400	1.4	0
Silver	5	0	ND	9,400	1.5	0
Thallium	5	0	ND	150	4.2	0
Vanadium	5	5	46.2, 24.7, 13.1, 30.7, 20.4	13,000	84.9	0
Zinc	5	5	73.5, 33.8, 85.4, 52.7, 30.5	100,000	844.9	0
pH	5	5	8.45, 9.04, 9.94, 8.42, 8.94	NA	NA	0

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Table 4.187-6 (continued)
AOC ADD 5 Sampling Results Summary for Metals
March 1999

GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water [c] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Criteria
Antimony	4	2	0.0121, 0.0109	1.2	0.0616	0
Arsenic	4	2	0.0054, 0.0038J	0.008	0.0276	0
Barium	4	4	0.129, 0.0779, 0.113, 0.0803	1[d]	0.1777	0
Beryllium	4	2	0.00014J, 0.000091J	3.3×10^{-5}	0.002	0
Cadmium	4	2	0.00027J, 0.00025J	0.001	0.0017	0
Chromium	4	2	0.0049J, 0.0045J	190	0.0029	0
Cobalt	4	1	0.0023J	2.2[d]	0.0071	0
Copper	4	3	0.0012J, 0.0033J, 0.0038J	0.003	0.1072	0
Lead	4	2	0.0051, 0.0034J	0.002	0.028	0
Mercury	4	0	ND	4.0×10^{-5}	0.0009	0
Molybdenum	4	4	0.0064, 0.0026J, 0.0133, 0.0134	0.18[d]	NA	0
Nickel	4	3	0.00044J, 0.0041J, 0.0035J	0.005	0.0958	0
Selenium	4	4	0.0083J, 0.006J, 0.0041J, 0.0039J	0.015	0.040	0
Silver	4	0	ND	0.0007	0.0072	0
Thallium	4	0	ND	0.014	0.0075	0
Vanadium	4	2	0.0011J, 0.00088J	0.26[d]	0.0107	0
Zinc	4	2	0.0073, 0.0056	0.020	0.291	0
pH	4	2	7.41, 7.37	6.0 to 9.0 (pH units)	NA	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.

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(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for screening criteria for water.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only

AOC = Area of Concern
ADD = Additional
mg/kg = Milligrams Per Kilogram
mg/L =Milligrams Per Liter
NA = Not Available
N/A = Not Applicable
PRG = Preliminary Remediation Goal
U.S. EPA = United States Environmental Protection Agency

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Table 4.190-5
AOC ADD 8 Sampling Results Summary for Organic Compounds
February 1999

	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Number of Detections above Criteria	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water(b) (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) (c)	1	0	ND	N/A	0	1	0	ND	N/A	0
SVOCs (64 analytes) (c)	1	0	ND	N/A	0	1	0	ND	N/A	0
TPH-gasoline	1	0	ND	1,000(c)	0	1	0	ND	NA	0
TPH-diesel	1	1	70J	10,000(c)	0	1	0	ND	NA	0
TPH-motor oil	1	0	460	50,000(c)	0	1	0	ND	25	0
PCBs										
Aroclor-1260	1	1	0.01J	1.3	0	1	0	ND	1.9×10^{-8}	0
pH	1	0	8.14	NA	0	1	1	7.36	6.0 to 9.0 (pH units)	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) If not listed in this table, the remaining analytes were not detected.
(d) From Los Angeles Resource Water Quality Control Board, *Interim Site Assessment and Cleanup Guidebook*, Table 4-1, dated May 1996. Values are for soils above a non-drinking water aquifer.

ADD = Additional
AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
NA = Not Available
ND = Not Detected
SVOCs = Semivolatile Organic Compounds
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

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Table 4.190-6
AOC ADD 8 Sampling Results Summary for Metals and pH
February 1999

SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	1	1	0.59J	750	11.3	0
Arsenic	1	1	2.1	3.0	17.5	0
Barium	1	1	116	100,000	275	0
Beryllium	1	0	ND	3,400	1.4	0
Cadmium	1	1	0.035J	930	1.7	0
Chromium	1	1	18.8	450	60.9	0
Cobalt	1	1	14.6	29,000	24.5	0
Copper	1	1	40.3	70,000	798.7	0
Lead	1	1	13.1	1000	185.2	0
Mercury	1	1	0.69	560	2.5	0
Molybdenum	1	1	0.32	9,400	NA	0
Nickel	1	1	27.1	37,000	32.6	0
Selenium	1	0	ND	9,400	1.4	0
Silver	1	0	ND	9,400	1.5	0
Thallium	1	0	ND	150	4.2	0
Vanadium	1	1	29.5	13,000	84.9	0
Zinc	1	1	79.7	100,000	844.9	0

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Table 4.190-6 (Continued)
AOC ADD 8 Sampling Results Summary for Metals and pH
February 1999

GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water [c] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Criteria
Antimony	1	0	ND	1.2	0.0616	0
Arsenic	1	0	ND	0.008	0.0276	0
Barium	1	1	0.101	1[d]	0.1777	0
Beryllium	1	0	ND	3.3×10^{-5}	0.002	0
Cadmium	1	0	ND	0.001	0.0017	0
Chromium	1	0	ND	.190	0.0029	0
Cobalt	1	0	ND	2.2[d]	0.0071	0
Copper	1	0	ND	0.003	0.1072	0
Lead	1	0	ND	0.002	0.028	0
Mercury	1	0	ND	4.0×10^{-5}	0.0009	0
Molybdenum	1	1	0.0092	0.18[d]	NA	0
Nickel	1	1	0.0023J	0.005	0.0958	0
Selenium	1	1	0.0031J	0.015	0.040	0
Silver	1	0	ND	0.0007	0.0072	0
Thallium	1	0	ND	0.014	0.0075	0
Vanadium	1	1	0.0013J	0.26[d]	0.0107	0
Zinc	1	0	ND	0.020	0.291	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.

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(c) See Section 3.7 for screening criteria for water.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

ADD = Additional
AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
NA = Not Available
ND = Not Detected
PRG = Preliminary Remediation Goal
U.S. EPA = United States Environmental Protection Agency

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Table 4.191-5
AOC ADD 9 Sampling Results Summary for Organic Compounds
February 1999

	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Number of Detections above Criteria	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water(b) (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) (c)										
Chloroform	2	0	ND	0.52	0	2	2	0.002J, 0.001J	0.13	0
Cis-1,2-Dichloroethene	2	0	ND	150	0	2	2	0.001J, 0.002J	0.005(e)	0
SVOCs (64 analytes) (c)	2	0	ND	N/A	0	2	0	ND	N/A	0
TPH-gasoline	2	0	ND	1,000(d)	0	2	0	ND	N/A	0
TPH-diesel	2	2	3J, 4J	10,000(d)	0	2	0	ND	N/A	0
TPH-motor oil	2	2	20, 44	50,000(d)	0	2	0	ND	25	0
PCBs (c)										
Aroclor 1260	2	1	0.047	1.3	0	2	0	ND	1.9×10^{-8}	0
pH	2	2	8.63, 8.98	NA	0	2	2	7.29, 7.30	6.0 to 9.0 (pH units)	0

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(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) If not listed in this table, the remaining analytes were not detected.
(d) From Los Angeles Resource Water Quality Control Board, *Interim Site Assessment and Cleanup Guidebook*, Table 4-1, dated May 1996. Values are for soils above a non-drinking water aquifer.
(e) No Ocean Plan criteria exist. Value presented is for informational purposes only.

ADD = Additional
AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
NA = Not Available
N/A = Not Applicable
ND = Not Detected
PRG = Preliminary Remediation Goal
SVOCs = Semivolatile Organic Compounds
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

Table 4.191-6
AOC ADD 9 Sampling Results Summary for Metals
February 1999

SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	2	0	ND	750	11.3	0
Arsenic	2	2	3.5, 3.3	3.0	17.5	0
Barium	2	2	219, 129	100,000	275	0
Beryllium	2	0	ND	3,400	1.4	0
Cadmium	2	1	0.27	930	1.7	0
Chromium	2	2	21.3, 17.1	450	60.9	0
Cobalt	2	2	13.8, 10.1	29,000	24.5	0
Copper	2	2	28.6, 18.3	70,000	798.7	0
Lead	2	2	11.3, 11.4	1000	185.2	0
Mercury	2	2	0.11J, 0.084J	560	2.5	0
Molybdenum	2	2	0.38, 0.21J	9,400	NA	0
Nickel	2	2	28.5, 18.1	37,000	32.6	0
Selenium	2	0	ND	9,400	1.4	0
Silver	2	0	ND	9,400	1.5	0
Thallium	2	0	ND	150[d]	4.2	0
Vanadium	2	2	31.1, 28.5	13,000	84.9	0
Zinc	2	2	134, 53.9	100,000	844.9	0

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Table 4.191-6 (continued)
AOC ADD 9 Sampling Results Summary for Metals
February 1999

GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water [c] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Criteria
Antimony	2	0	ND	1.2	0.0616	0
Arsenic	2	0	ND	0.008	0.0276	0
Barium	2	2	0.112, 0.133	1[d]	0.1777	0
Beryllium	2	2	0.000084J, 0.00010J	3.3×10^{-5}	0.002	0
Cadmium	2	0	ND	0.001	0.0017	0
Chromium	2	0	ND	190	0.0029	0
Cobalt	2	0	ND	2.2[d]	0.0071	0
Copper	2	1	0.0012J	0.003	0.1072	0
Lead	2	0	ND	0.002	0.028	0
Mercury	2	0	ND	4.0×10^{-5}	0.0009	0
Molybdenum	2	2	0.0072, 0.0095	0.18[d]	NA	0
Nickel	2	2	0.0023J, 0.0025J	0.005	0.0958	0
Selenium	2	2	0.0038J, 0.0025J	0.015	0.040	0
Silver	2	0	ND	0.0007	0.0072	0
Thallium	2	0	ND	0.014	0.0075	0
Vanadium	2	2	0.0011J, 0.0014J	0.26[d]	0.0107	0
Zinc	2	0	ND	0.020	0.291	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.

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Table 4.191-6 (continued)
AOC ADD 9 Sampling Results Summary for Metals
February 1999

GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water [c] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Criteria
Antimony	2	0	ND	1.2	0.0616	0
Arsenic	2	0	ND	0.008	0.0276	0
Barium	2	2	0.112, 0.133	1[d]	0.1777	0
Beryllium	2	2	0.000084J, 0.00010J	3.3×10^{-5}	0.002	0
Cadmium	2	0	ND	0.001	0.0017	0
Chromium	2	0	ND	190	0.0029	0
Cobalt	2	0	ND	2.2[d]	0.0071	0
Copper	2	1	0.0012J	0.003	0.1072	0
Lead	2	0	ND	0.002	0.028	0
Mercury	2	0	ND	4.0×10^{-5}	0.0009	0
Molybdenum	2	2	0.0072, 0.0095	0.18[d]	NA	0
Nickel	2	2	0.0023J, 0.0025J	0.005	0.0958	0
Selenium	2	2	0.0038J, 0.0025J	0.015	0.040	0
Silver	2	0	ND	0.0007	0.0072	0
Thallium	2	0	ND	0.014	0.0075	0
Vanadium	2	2	0.0011J, 0.0014J	0.26[d]	0.0107	0
Zinc	2	0	ND	0.020	0.291	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.

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(c) See Section 3.7 for screening criteria for water.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

AOC = Area of Concern
ADD = Additional
mg/kg = Milligrams Per Kilogram
mg/L =Milligrams Per Liter
PRG = Preliminary Remediation Goal
U.S. EPA = United States Environmental Protection Agency

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Table 4.194-5
AOC ADD 12 Sampling Results Summary for Metals
March 1999

SOIL

Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Background Level (b) (mg/kg)	Number of Detections above Industrial PRG and Background
Mercury	3	3	0.29, 0.024J, 0.029J	560	2.5	0

GROUNDWATER

Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water (c) (mg/L)	Background Level (b) (mg/L)	Number of Detections above Criteria
Mercury	3	3	0.00015J, 0.00013J, 0.00010J	$4x10^{-5}$	0.0009	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for screening criteria for water.

ADD = Additional
AOC = Area of Concern
mg/kg = Milligrams Per Kilogram
mg/L =Milligrams Per Liter
N/A = Not Applicable
ND = Not Detected
PRG = Preliminary Remediation Goal
U.S. EPA = United States Environmental Protection Agency

Table 4.195-6
AOC ADD 13 Sampling Results Summary for Metals and pH
March 1999

SURFACE SEDIMENT/SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	3	3	8.9, 12.0, 9.6	750	11.3	0
Arsenic	3	3	**29.7**, 17.4, 8.3	3.0	17.5	1
Barium	3	3	364, 961, 412	100,000	275	0
Beryllium	3	0	ND	3,400	1.4	0
Cadmium	3	3	9.0, 17.7, 3.0	930	1.7	0
Chromium	3	3	153, 199, 299	450	60.9	0
Cobalt	3	3	14.4, 19.8, 14.5	29,000	24.5	0
Copper	3	3	1720, 2200, 1010	70,000	798.7	0
Lead	3	3	**573, 1040, 1090**	1000	185.2	2
Mercury	3	3	27.0, 181, 1.2	560	2.5	0
Molybdenum	3	3	61, 54.1, 21.9	9,400	NA	0
Nickel	3	3	83.9, 166, 98.0	37,000	32.6	0
Selenium	3	0	ND	9,400	1.4	0
Silver	3	2	1.3, 0.24	9,400	1.5	0
Thallium	3	0	ND	150	4.2	0
Vanadium	3	3	21.5, 52.8, 40.4	13,000	84.9	0
Zinc	3	3	8500, 3730, 894	100,000	844.9	0
pH	1	1	7.55	NA	NA	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.
(c) See Section 3.7 for screening criteria for water.

ADD = Additional
AOC = Area of Concern
mg/kg = Milligrams Per Kilogram
mg/L =Milligrams Per Liter
PRG = Preliminary Remediation Goal
U.S. EPA = United States Environmental Protection Agency

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Table 1-2
SWS 2 Follow-Up Sampling Results Summary for Mercury (Soil and Groundwater)
March 1999

	SOIL						GROUNDWATER					
Analytical Parameter	No. of Samples	No. of Detections	Concentration Range (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	No. of Detections Above PRGs and Background	No. of Samples	No. of Detections	Concentration Range (mg/L)	Screening Criteria for Water [c] (mg/L)	Background Level [b] (mg/L)	No. Detections Above Screening Criteria for Water and Background Levels
Mercury	10	0	ND	560	2.5	0	5	0	ND	0.00004 (f)	0.0009	0

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(a) = From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) = Background levels are listed in Appendix L.
(c) = See Section 3.7 for sources of criteria.

mg/kg = milligrams per kilogram
mg/L = milligrams per Liter
ND = Not Detected.
No. = Number
PRG = Preliminary Remediation Goal
SWS = Storm Water System

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Table 1-3
SWS 2 Follow-Up Sampling Results Summary for Mercury (Water)
March 1999

WATER						
Analytical Parameter	**No. of Samples**	**No. of Detections**	**Concentration Range (mg/kg)**	**Industrial Soil PRG [a] (mg/kg)**	**Background Level [b] (mg/kg)**	**No. of Detections Above PRGs and Background**
Mercury	1	0	ND	560	2.5	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.

ND = Not Detected
No. = Number
PRG = Preliminary Remediation Goal
SWS = Storm Water System

Table 2-2
SSS 1 Follow-Up Sampling Results Summary for Total Petroleum Hydrocarbons (Soil and Groundwater)
March 1999

Sample Identifier	Analyte Detected	Soil Sample Depth, feet bgs	Concentration in Soil (mg/kg)	Industrial PRG [a] (mg/kg)	Groundwater Sample Depth, feet bgs	Concentration in Groundwater (mg/L)	Screening Criteria for Water[b] (mg/L)
S1na	TPH-gasoline	10	ND	1,000[c]	10	0.05J	NA
	TPH-diesel	10	ND	10,000[c]	10	0.1J	NA
	TPH-motor oil	10	7J	50,000[c]	10	0.003J	25
	TPH-motor oil	5	8J	50,000[c]	-	-	-
S1nb	TPH-gasoline	10	ND	1,000[c]	9.4	0.07	NA
	TPH-diesel	10	ND	10,000[c]	9.4	0.2J	NA
	TPH-motor oil	10	31	50,000[c]	9.4	0.06J	25
	TPH-motor oil	5	9J	50,000[c]	-	-	-
S1nc	TPH-gasoline	10	ND	1,000[c]	10	0.06	NA
	TPH-diesel	10	200	10,000[c]	10	ND	NA
	TPH-motor oil	10	1300	50,000[c]	10	ND	25
	Sec-Butylbenzene	10	0.155	410	10	ND	0.061 [d]
	Isopropylbenzene	10	0.139	NA	10	ND	NA
	o-Xylene	10	0.004J	280	10	ND	1.4
	TPH-gasoline	5	0.2J	1,000[c]	-	-	-
	TPH-motor oil	5	7J	50,000[c]	-	-	-
S1nd	TPH-gasoline	10	200	1,000[c]	9.6	0.09	NA
	TPH-diesel	10	5600	10,000[c]	9.6	0.2J	NA
	TPH-motor oil	10	7000	50,000[c]	9.6	0.05J	25
	Naphthalene	10	0.65J	190	9.6	ND	0.0062[d]
	Phenanthrene	10	1.8J	NA	9.6	ND	8.8×10^{-6}
	TPH-gasoline	5	0.1J	1,000[c]	-	-	-
	TPH-motor oil	5	1J	50,000[c]	-	-	-
S1nf	TPH-gasoline	10	80	1,000[c]	9	ND	NA
	TPH-diesel	10	70J	10,000[c]	9	0.09J	NA
	TPH-motor oil	10	1400	50,000[c]	9	ND	25
	Chloroform	10	ND	0.52	9	0.001J	0.130
	Tetrachloroethene	10	0.006	16	9	ND	0.099
	Trichloroethene	10	0.010	6.1	9	ND	0.027
	TPH-gasoline	5	0.2J	1,000[c]	-	-	-

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Table 2-2
SSS 1 Follow-Up Sampling Results Summary for Total Petroleum Hydrocarbons (Soil and Groundwater)
March 1999

Sample Identifier	Analyte Detected	Soil Sample Depth, feet bgs	Concentration in Soil (mg/kg)	Industrial PRG [a] (mg/kg)	Groundwater Sample Depth, feet bgs	Concentration in Groundwater (mg/L)	Screening Criteria for Water[b] (mg/L)
S1ng	TPH-gasoline	10	ND	1,000[c]	8.5	0.09	NA
	TPH-diesel	10	ND	10,000[c]	8.5	0.08J	NA
	cis-1,2-Dichloroethene	10	ND	150	8.5	0.002J	0.006[d]
	Non	5	ND	-	-	-	
S1nh	TPH-diesel	10	ND	10,000[c]	9	ND	NA
	Di-n-butyl phthalate (DBP)	10	ND	110,000	9	0.002J	3.5
	Chloroform	10	ND	0.52	9	0.002J	0.130
	None	5	ND	-	-	-	-

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(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) From Los Angeles Resource Water Quality Control Board, *Interim Site Assessment and Cleanup Guidebook*, Table 4-1, dated May 1996. Values are for soils above a non-drinking water aquifer.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

AOC = Area of Concern
Bgs = below ground surface
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
NA = Not Available
ND = Not Detected
SVOCs = Semivolatile Organic Compounds
SSS = Sanitary Sewer System
TPH = Total Petroleum Hydrocarbons
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

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Table 2-3
SSS 1 Follow-Up Sample Results Summary for Organics
March 1999

	SOIL			GROUNDWATER		
Analytical Parameters	**No. of Samples**	**No. of Detections**	**Number of Detections above PRGs**	**No. of Samples**	**No. of Detections**	**No. of Detections above Screening Criteria for Water[b]**
VOCs (60 analytes)[c]						
sec-Butylbenzene	14	1	0	7	0	0
Isopropylbenzene	14	1	0	7	0	0
o-Xylene	14	1	0	7	0	0
Chloroform	14	0	0	7	2	0
Tetratchloroethene	14	1	0	7	0	0
Trichloroethene	14	1	0	7	0	0
cis-1,2-Dichloroethene	14	0	0	7	1	0
SVOCs (64 analytes)[c]						
Naphthelene	14	1	0	7	0	0
Phenanthrene	14	1	0	7	0	0
Di-n-butyl phthalate (DBP)	14	0	0	7	1	0
TPH-Gasoline	14	5	0	7	5	0
TPH-Diesel	14	3	0	7	5	0
TPH-Motor Oil	14	9	0	7	3	0

(a) = From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) = See Section 3.7 for screening criteria for water.
(c) = If not listed in the table, the remaining analytes were not detected.

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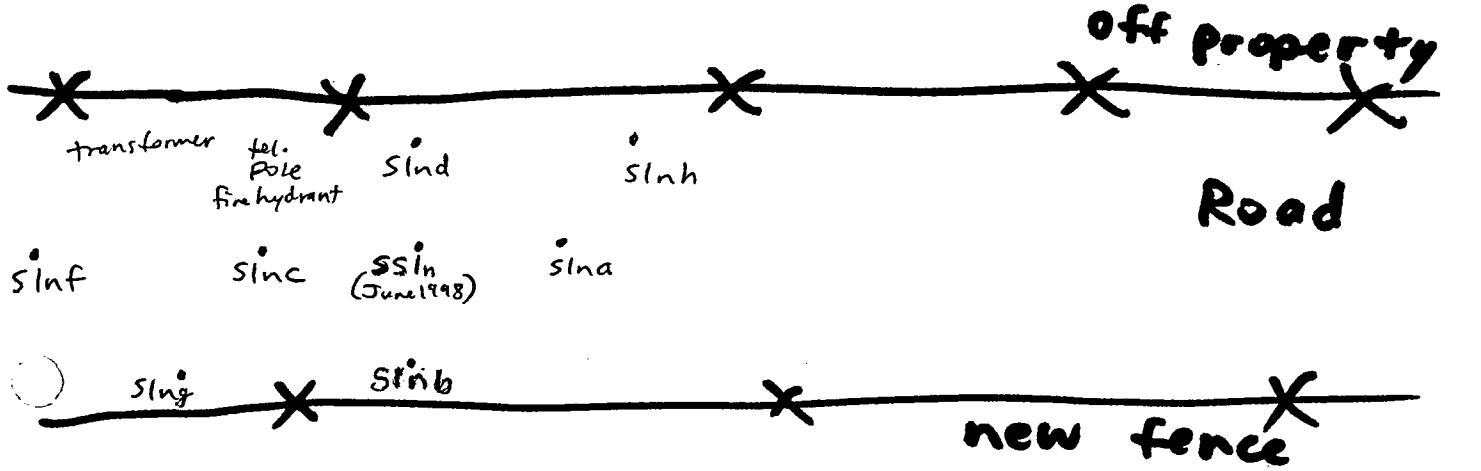
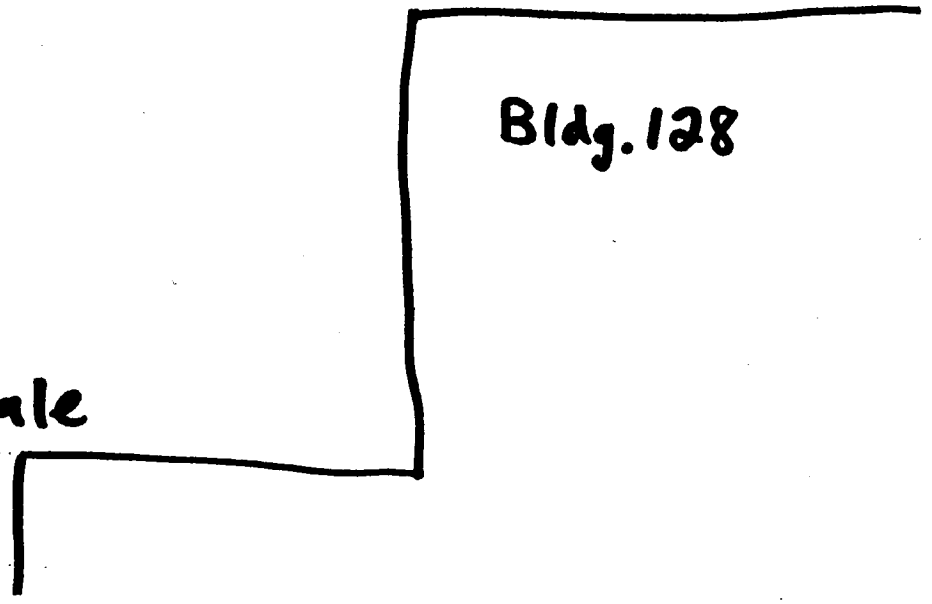


SS1n June 1998
S1na,b,c,d March 2, 1999
S1nf,g,h March 8, 1999

N



not to scale

Table 4.186-5
AOC ADD 4 Sampling Results Summary for Organic Compounds
February 1999

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	SOIL					GROUNDWATER				
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG (a) (mg/kg)	Number of Detections above Criteria	Number of Samples	Number of Detections	Concentration (mg/L)	Screening Criteria for Water(b) (mg/L)	Number of Detections above Criteria
VOCs (60 analytes) (c)										
Chloroform	2	0	ND	0.52	0	2	1	0.002J	0.13	0
SVOCs (64 analytes) (c)										
Pyrene	2	1	0.034J	26,000	0	2	0	ND	8.8×10^{-6}	0
pH	2	2	8.00, 8.98 (pH units)	6.0 to 9.0 (pH units)	0	2	2	7.03, 7.31 (pH units)	6.0 to 9.0 (pH units)	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) See Section 3.7 for water screening criteria.
(c) If not listed in this table, the remaining analytes were not detected.

ADD = Additional
AOC = Area of Concern
J = Estimated Concentration
mg/kg = Milligrams Per Kilogram
mg/L = Milligrams Per Liter
N/A = Not Applicable
ND = Not Detected
SVOCs = Semivolatile Organic Compounds
U.S. EPA = United States Environmental Protection Agency
VOCs = Volatile Organic Compounds

Table 4.186-6
AOC ADD 4 Sampling Results Summary for Metals
February 1999

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SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	2	1	0.15J	750	11.3	0
Arsenic	2	2	2.7, 4.8	3.0	17.5	0
Barium	2	2	56.2, 89.0	100,000	275	0
Beryllium	2	0	ND	3,400	1.4	0
Cadmium	2	0	ND	930	1.7	0
Chromium	2	2	14.2, 21.5	450	60.9	0
Cobalt	2	2	7.0, 9.6	29,000	24.5	0
Copper	2	2	7.5, 15.1	70,000	798.7	0
Lead	2	2	3.4, 5.4	1000	185.2	0
Mercury	2	2	0.040J, 0.055J	560	2.5	0
Molybdenum	2	2	0.039J, 0.089J	9,400	NA	0
Nickel	2	2	8.7, 15.3	37,000	32.6	0
Selenium	2	0	ND	9,400	1.4	0
Silver	2	0	ND	9,400	1.5	0
Thallium	2	0	ND	150	4.2	0
Vanadium	2	2	24.6, 34.2	13,000	84.9	0
Zinc	2	2	32.5, 45.4	100,000	844.9	0

Table 4.186-6 (continued)
AOC ADD 4 Sampling Results Summary for Metals
February 1999

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GROUNDWATER						
Analytical Parameter	Number of Samples	Number of Detections	Dissolved Concentration (mg/L)	Screening Criteria for Water [c] (mg/L)	Background Level [b] (mg/L)	Number of Detections above Criteria
Antimony	2	1	0.0117	1.2	0.0616	0
Arsenic	2	1	0.0035J	0.008	0.0276	0
Barium	2	2	0.115, 0.0662	1[d]	0.1777	0
Beryllium	2	1	0.000097J	3.3×10^{-5}	0.002	0
Cadmium	2	0	ND	0.001	0.0017	0
Chromium	2	1	0.0066	190	0.0029	0
Cobalt	2	0	ND	2.2[d]	0.0071	0
Copper	2	0	ND	0.003	0.1072	0
Lead	2	1	0.0027J	0.002	0.028	0
Mercury	2	1	0.00023J	4.0×10^{-5}	0.0009	0
Molybdenum	2	2	0.0167, 0.0086	0.18[d]	NA	0
Nickel	2	2	0.0033J, 0.0025J	0.005	0.0958	0
Selenium	2	1	0.0082J	0.015	0.040	0
Silver	2	0	ND	0.0007	0.0072	0
Thallium	2	0	ND	0.014	0.0075	0
Vanadium	2	1	0.00095J	0.26[d]	0.0107	0
Zinc	2	1	0.0222	0.020	0.291	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.

(c) See Section 3.7 for screening criteria for water.
(d) No Ocean Plan criteria exist. Value presented is for informational purposes only.

ADD = Additional
AOC = Area of Concern
mg/kg = Milligrams Per Kilogram
mg/L =Milligrams Per Liter
PRG = Preliminary Remediation Goal
U.S. EPA = United States Environmental Protection Agency

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Table 4.196-5
AOC ADD 14 Sampling Results Summary for Metals
March 1999

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SURFACE SEDIMENT/SOIL						
Analytical Parameter	Number of Samples	Number of Detections	Concentration (mg/kg)	Industrial PRG [a] (mg/kg)	Background Level [b] (mg/kg)	Number of Detections above Industrial PRG and Background
Antimony	4	4	10.8, 13.1, 6.8, 165	750	11.3	0
Arsenic	4	4	13.3, **23.1**, **20.0**, 13.1	3.0	17.5	2
Barium	4	4	629, 1000, 343, 559	100,000	275	0
Beryllium	4	0	ND	3,400	1.4	0
Cadmium	4	4	11.8, 16.0, 2.4, 7.0	930	1.7	0
Chromium	4	4	179, 248, 86.1, 149	450	60.9	0
Cobalt	4	4	26.0, 25.5, 15.8, 23.9	29,000	24.5	0
Copper	4	4	3670, 3360, 3150, 1480	70,000	798.7	0
Lead	4	4	746, **1040**, 457, **1090**	1000	185.2	2
Mercury	4	4	293, **4370**, 429, 121	560	2.5	1
Molybdenum	4	4	55.8, 84.2, 35.0, 36.4	9,400	NA	0
Nickel	4	4	293, 240, 141, 210	37,000	32.6	0
Selenium	4	0	ND	9,400	1.4	0
Silver	4	4	0.87, 8.1, 0.64, 2.0	9,400	1.5	0
Thallium	4	0	ND	150	4.2	0
Vanadium	4	4	50.1, 80.4, 26.1, 72.3	13,000	84.9	0
Zinc	4	4	9500, 5180, 1510, 4560	100,000	844.9	0

(a) From U.S. EPA Region IX Preliminary Remediation Goals, dated May 1, 1998.
(b) Background levels are listed in Appendix L.

ADD = Additional
AOC = Area of Concern
mg/kg = Milligrams Per Kilogram
mg/L =Milligrams Per Liter
ND = Not Detected
PRG = Preliminary Remediation Goal
U.S. EPA = United States Environmental Protection Agency

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